

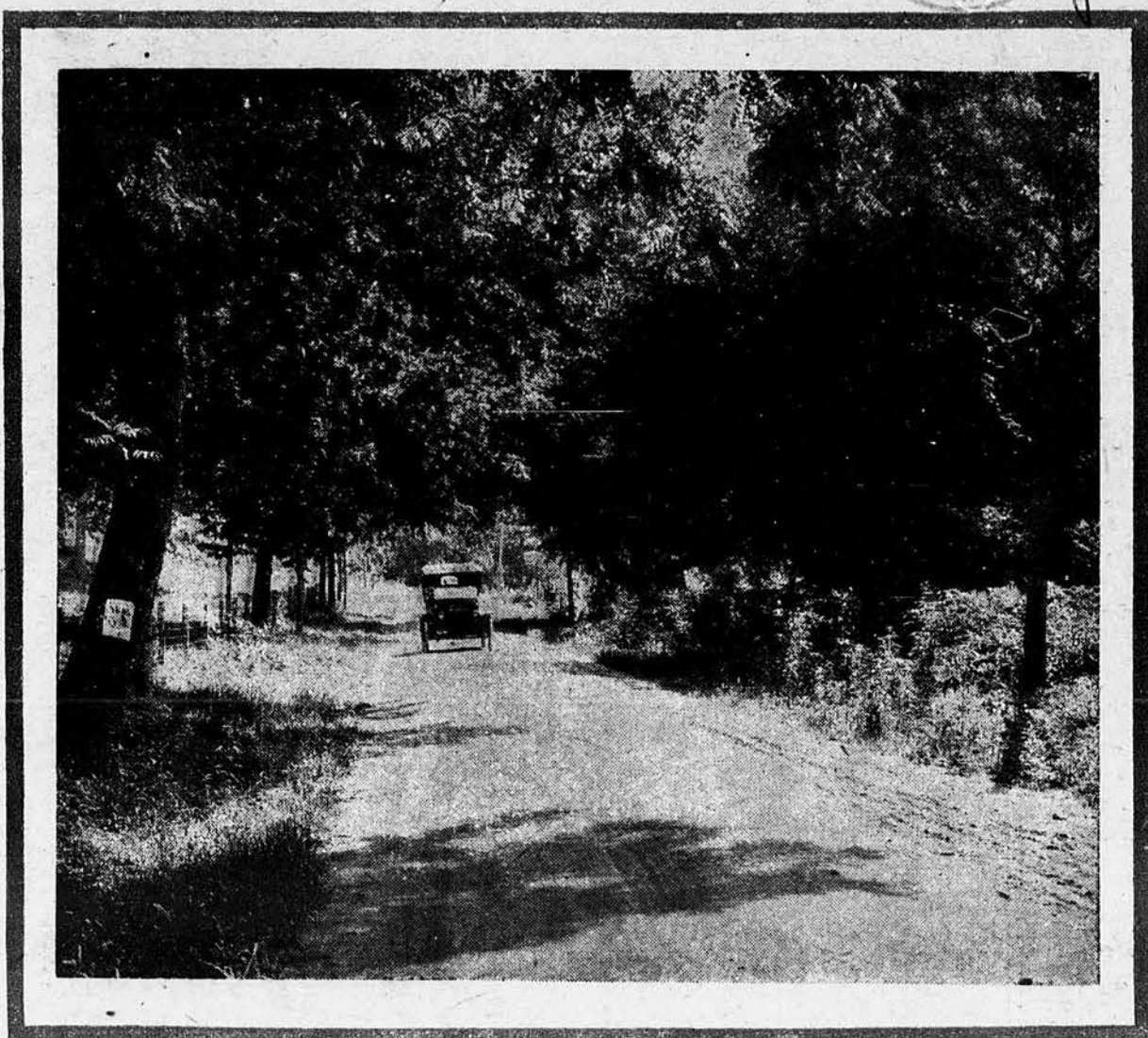
October 7, 1916

Price 5 Cents

The FARMERS MAIL AND BREEZE

Agricultural Reading Room
Camp

STATE AGRICULTURAL COLLEGE
OCT 16
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KANSAS SLOW ON ROAD WORK

WE don't need more taxes or higher taxes in order to get good roads. What we need is a more intelligent, more vigorous, more industrious use of the taxes we now collect. Kansas has a very large amount of money for roads and bridges, but a very small and very inadequate system of applying it to proper uses. We need a more practical, a more efficient system of handling the 5 million dollars we now spend annually on Kansas roads and bridges. We need the most competent supervision and maintenance. We have 100,000 motor cars in this state producing a half million dollars annually in license fees. In many counties it is being shamefully wasted. This money should be most carefully and intelligently used on our roads.—Governor Capper's Good Roads Address, Topeka, September 13.

How One Young Man Got Out of a Rut

By Jasper Brown

Until about a year ago I had been living in a rut. I had occasional dreams of riches as every young man has, but I got married and had to come down to earth and find a way to pay the rent and the grocery bills.

If Opportunity had knocked at my door she wore padded mittens. At any rate I never heard her. I didn't call it opportunity when I got a job in a hardware store at \$10 a week in a small town. You can't raise prodigal sons on that salary. Besides I had to be ordered around by a grouchy old boss with the asthma. I stuck with the job three years and was getting just \$2 a week more when I quit than when I began.

One Saturday night I came home to a late supper and found that my son and heir had the measles. That clinched my determination.

"Mrs. Brown," I said, "your husband is going to draw up a declaration of Independence."

"What are you going to do?" she asked anxiously.

"I am going to get out of this rut and stay out."

"More dreams," was my wife's only comment and I knew she wondered if I was going to sell fly traps or go into the airship business.

I didn't eat much that night. I played with the two dollars left after paying bills and thought—long, long thoughts. Holding up the two cart wheels I said:

"You have got to turn the trick. How will we go about it?"

I spent the most of next day in looking through the Sunday papers but I did not find any jobs better than the one I had. A job was a job and that was about all. But I did see that there was a big demand for chauffeurs, auto repair men and tractor experts. It occurred to me that if these men were making big wages the men who hired them must be making a good profit off of their work. It was the garage man and the repair shop owner who was making the money. This seemed to be a good idea to start from.

A talk with my friend "Slim" Baker, the liveryman, convinced me that it would not be a bad venture. But, and there was the eternal "IF." How was I going to learn the work? And how long would it take?

I thought I would go past the store on my way home. While rummaging around on the boss's desk I picked up a farm paper and glanced through it. One of the first things that struck my eye was an ad. The headlines were something like this:

BE AN AUTOMOBILE AND TRACTOR EXPERT—MAKE FROM \$75 TO \$300 A MONTH.

Work for Yourself

We teach you in six weeks.

For a moment it seemed that Opportunity had removed her mitten. It didn't seem possible that a man could study only six weeks and learn enough about autos and tractors to go to work. But the ad said to send for a free book and be convinced.

I decided not to mention the matter to my wife until I had something definite. So I wrote to the school—it was RAHE'S AUTOMOBILE TRAINING SCHOOL in Kansas City—and asked for one of their booklets. I not only got the booklet but received a fine personal letter from Mr. H. J. Rahe, president of the school which gave me all kinds of encouragement.

In his letter Mr. Rahe told of a Kansas boy that took the course there and was now running his own garage and making \$200 a month above all expenses. He also told of a Swede boy in Minnesota who was doing even better. With the completion of a course in his school, Mr. Rahe said, each student was given a life scholarship entitling them to return to the school each year for a while and brush up on new points and inventions.

After carefully rereading Mr. Rahe's letter I made a deal with "Slim" Baker to borrow enough money to pay my tuition, which considering what a man can make was a very small amount.

"Wife," I announced, on my return home, "I'll soon be ready to write my declaration of independence. And it will be yours, too. You go to your mother and make her a six weeks' visit. Your husband is going to school." Mrs. Brown is a pretty sensible woman and after giving the matter a little thought she arrived at the conclusion that although it would be somewhat in the nature of an adventure for me, going to an automobile school and this particular automobile school was a pretty good sign of sanity provided I had the ingenuity to make good after going.

A few days later I was in Kansas City. Although the city was strange to me, when I asked a policeman where 11th & Locust was he explained to me in a friendly manner how to get there and then said: "Are you going to Rahe's Automobile School?"

I said I was, and he replied: "I'm glad to hear it. Isn't a better place in the city for a young fellow to learn the business."

I found out later that the officer was a traffic patrolman and wished sincerely that every driver of a car had taken lessons somewhere so they could obey the motoring and speed laws.

I enrolled in the school, looked over the big Rahe plants, got acquainted with the instructors and students.

The work was not too hard for any man who wants to make good. And it is pleasant. It is not like going to an ordinary school. You forget that you are a student or that you are studying. You don't have a lot of books, maps, charts to remind you of it. You work with the actual machinery and get all of the details first hand.

At the end of six weeks I had worked on two dozen of the best known makes of autos from 12 cylinder cars on

down and I had done actual work with tractors on the Rahe farm north of Kansas City. I not only learned how to drive and operate automobiles and tractors, but I learned how to repair them and got the underlying principles of their mechanism and operation so well in mind that I was always prepared when something new came up.

One October evening a little over six weeks later I got off the train in my home town and walked down the street with "Slim" Baker, the liveryman. "Jap," said he, shifting his tobacco, "now that you have a college education in automobiles, do you know what I am thinking of doing?"

I told him that I hadn't learned mind reading at school and awaited with great curiosity what he had to divulge.

"Well, I am going to take the rear half of my livery stable, put a cement floor in it and start a garage. I find that the demand for automobile livery service is growing rapidly. Furthermore the town needs a repair shop. I'll put you in charge of the garage. If you'll keep my cars looked after you don't need to pay any rent. You can keep half you make off of all repair jobs and I'll furnish the material. When you drive traveling men around I'll give you one-third of what you get and you use my cars."

It sounded good to me. I could see \$30.00 a week clear in this proposition and I would be practically my own boss. Within thirty days our scheme was in operation.

Nine months have passed since I stepped off that train that October

evening. I am writing this in July. "Slim" Baker and I are partners now. It is Saturday night. I remember another Saturday night when I came home and my boy had the measles. My wife was discouraged and I was downhearted. I sat and toyed with my two silver dollars and wondered "what next?" I have sixty dollars in my pocket now and my rent and grocery bill are paid. This is my profit for this week. What I have in the bank is another matter. When the next Spring rolls around the Mrs. and I are going to build us a new home and though it may not be a mansion it will be a good substantial house.

"Well," said I, before we turned in on this latter Saturday evening, "Mrs. Brown, it's time to add another paragraph to our Declaration of Independence." I divided the sixty in two. I took three tens, rolled them up and stuck them in my wallet. Mrs. Brown took her three tens—but it's none of my business where she put them and I will close by saying that "Slim" Baker and Old Man Bowers will be over tomorrow for Sunday dinner. Both of them are old bachelors, poor fellows.

Young man, if you are down in your mouth and your dreams have begun to sag, you can get away from trouble as easily as Jasper Brown did. Right here in the heart of the west is an automobile training school that will make you master of a well paying trade, the demand for which is growing daily. Write to Rahe at once and let him tell you how to get out of your rut if you are in one.—Advertisement.



\$75 to \$300 A MONTH

In the Tractor and Automobile Business

—the greatest business of all time.

I have trained thousands of ambitious men in all branches of the automobile business and my graduates have enjoyed a greater measure of success than those of any other similar school. Hundreds of my graduates are in business for themselves, making as high as \$300.00 a month and more, selling automobiles, operating garages and repair shops, or acting as agents, factory representatives, etc. Many more are employed in some of the largest automobile factories in the country. They earn from \$75.00 a month up, because of the practical training and experience they got in **Rahe's Automobile and Tractor Training School**. Hundreds more of my graduates are making big money in garages and repair shops, or as testers, demonstrators, ignition experts, oxy-acetylene welding, drivers, etc.

What Others Have Done—You Can Do

The opportunities are even greater now. All kinds of men are needed to fill the big paying positions—but you **must be trained**. The question before you, therefore, is where can you get the most practical training and experience that will enable you to start right off at a handsome salary. The answer is—**Rahe's Automobile and Tractor Training School**,—the school that gives nothing but actual machine and repair shop training, where you make real repairs on cars.

Oxy-Acetylene Welding Course

I was the very first to teach complete welding in all its branches. Others ask a tidy sum for this instruction, but I include this in my regular course **without extra charge**.

THREE BIG BUILDINGS AND TRACTOR FARM.

I have over 62,000 square feet of floor space in three big buildings. Complete Equipment, Machine Shops, Garages, Repair Shops and a large Tractor Farm.

BIG FREE CATALOG TELLS ALL

Just use the Coupon and MAIL AT ONCE. I'll send you my big 60-page Book, illustrated with fine Copper Engravings showing men at work, views of my shops, buildings, tractor farm, etc. Remember, the book is free and postpaid—you are under no obligation in sending for it. **Do you want big money? If so, write now!**

H. J. RAHE, President,

Rahe's Automobile School,

(World's Greatest Auto and Tractor School)

1014 Locust Street,

Kansas City, Mo.

\$50 Course in Tractor and Farm Engineering FREE

Thousands of tractors are in use today and thousands will be sold this year. In order to fit an extra large number of my graduates to handle this new business, I have a limited number of **Free Scholarships** available at this time. If you act promptly, I'll give you one without paying a cent for it. **Write me today for full particulars.**

You're All Ready in a Few Weeks

My practical training is all simple and easy. You learn it naturally—can't help knowing all. All kinds of cars to work on and make real repairs. Many of my students fill permanent jobs at big pay even before finishing my course. **No Tools to Buy—I Supply All—FREE. No Books or Printed Charts Used.**

FREE BOOK COUPON

RAHE AUTOMOBILE SCHOOL,
1014 Locust Street, Kansas City, Mo.

Gentlemen:—Please send me your big free catalog and reserve for me a free certificate for the Tractor and Farm Engineering.

Name

Town

R.F.D. State



THE FARMERS MAIL AND BREEZE

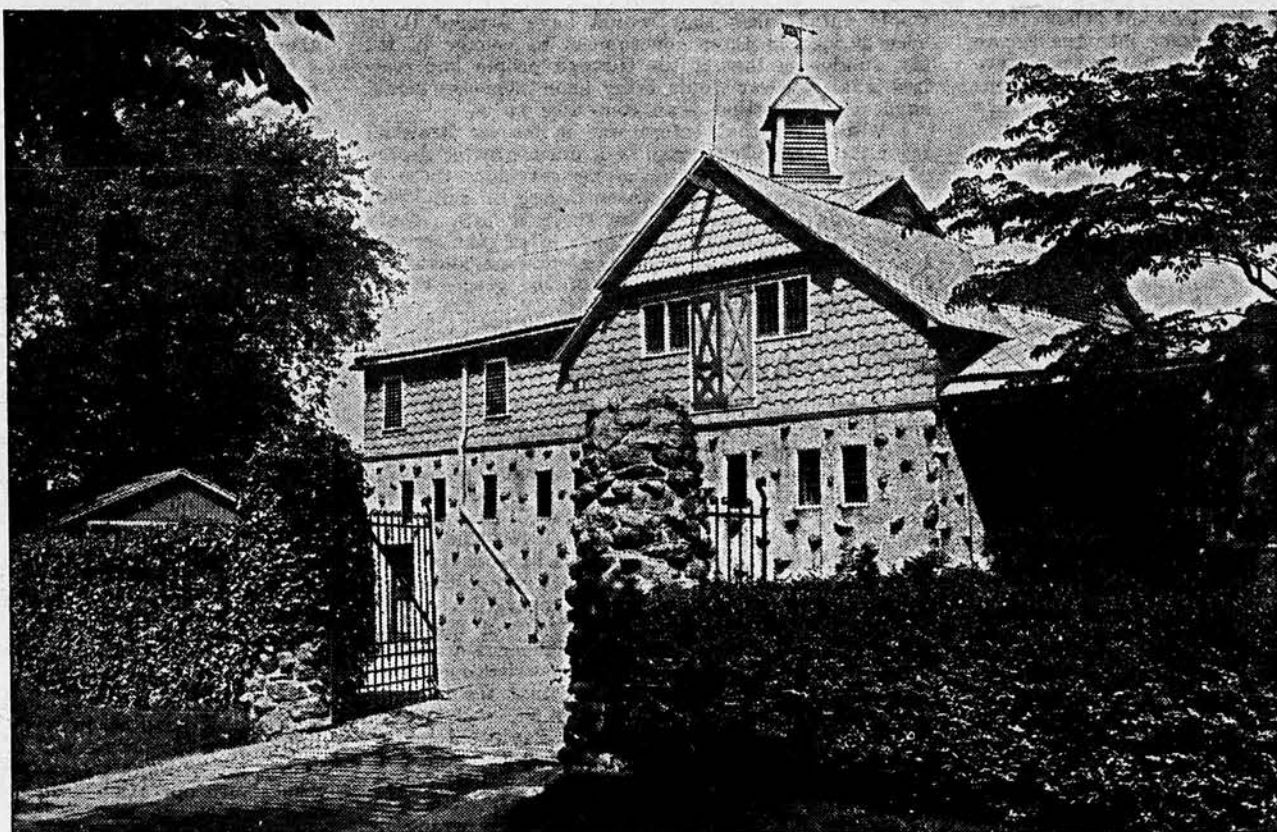
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Don't Burn Your Money

BY CHARLES DILLON

OF COURSE you have some regard for your money, even if you have no sentimental considerations for the business that brings it to you. You may lose no sleep about wealth, but you certainly do not kick your money around, and you have no especial desire to get rid of it in one bunch, particularly not in smoke. Therefore fire prevention day. This joyous occasion was not devised by the fire marshal and proclaimed by the governor because either supposed the people of Kansas were wilfully negligent. It was done merely as a reminder, a gentle hint that might result in your giving more careful thought to your chimneys and flues and fireplaces. They know, as every sensible person knows, that fire can eat up money quicker than gambling. In gambling someone gets it, anyway. Fire destroys it. It's gone.

Isn't it worth your while then, to give a little thought to the material you are going to use this fall when you build? Isn't it a good idea to set aside a part of your income for protection, as any careful business man would do it?

This isn't a plea for insurance. Insurance pays your loss but it doesn't save the building in which the work of months and the sentiment of a family are involved. The insurance agent will plead with you to adopt all the safeguards. He doesn't want your house or barn to burn. He'll tell you to use concrete foundations and tile and brick

in your flues and good, solid lumber in your framework. He'll go farther than anyone else in suggesting safety devices to prevent fire. He knows fire means losses.

No home owner today, especially in the country, for instance, should be without fire-fighting apparatus in his house and barn. This doesn't mean an expensive outfit of hose and engine and hook and ladder. A few fire extinguishers hung where they can be reached quickly have saved many a home and many a life. When tests by cities have proved how valuable are such devices it is remarkable that one farmer can be found without them.

But, coming back to the question of materials: You expect to do some building or repairing this fall. How are you going to do it? Are you going to follow the old methods, build something that will go up in smoke or blow down some day largely because of cheap construction? Why not have a good, concrete foundation, or perhaps use concrete for the first story and finish up in the best Yellow pine?

Concrete foundations have long been in popular favor for farm structures solely because of low cost and such ease of construction that the home worker by observing simple requirements could readily build them himself. Few farmers think of a barn nowadays without

a concrete foundation. The all-concrete barn, however, is not so easy a proposition for the home worker. A competent contractor should be engaged to build such a structure after carefully worked out plans.

There has come into favor the plank frame barn which is within the range of home labor possibilities because doing away with the framing of heavy timbers. If the farmer desires to enjoy most of the advantages of concrete in barn construction, especially where the barn is a general purpose one, it can be secured by extending the foundation far enough above ground to make it actually form the first story of the structure and then going a step farther and building a reinforced concrete mow floor, thus making the first story entirely concrete-enclosed, with all of the resulting protection against fire, to say nothing of the sanitation which is conspicuous in concrete construction. If the passageway, that is, the stairway from the basement to the mow floor is concrete-enclosed and fitted with steel doors both above and below, the security against fire in such a basement will be absolute.

Southern Yellow Pine is the best for general farm building and repair purposes because it is stronger and more durable than any other variety at anything like the same low price. It is rated a soft wood, because it is easily

worked, but it is far stronger, stiffer and tougher than any other soft wood, and in those qualities surpasses many hardwoods. The United States government, thru its Forest Service, conducted a series of tests of more than 70 varieties of wood important in the manufacture of lumber, and those tests proved Southern Yellow Pine to be stronger than White oak, Black ash and other hardwoods esteemed everywhere for their strength.

Every farmer should have a reference book or a card laid away which show the comparative breaking and crushing strength of the principal woods commonly used in building and for everyday purposes. Here are the government's figures of the breaking strength of various woods, the specimens used in the tests being all 2 inches square, 28 inches span, and clear, green wood:

| Woods Tested. | Breaking Point. |
|---------------------------------------|-----------------|
| Southern yellow pine (long leaf)..... | 8,630 |
| White oak | 8,160 |
| Black cherry | 8,030 |
| Elm, slippery | 7,710 |
| Post oak | 7,380 |
| Black ash | 6,006 |
| Silver maple | 5,820 |
| Cypress, | 7,110 |
| Hemlock, eastern | 6,180 |
| Spruce, red | 5,710 |
| Fir, Alpine | 5,450 |
| Spruce, Englemann | 4,200 |

These are only a few of the woods tested and the figures resulting, but they show those commonly found in lumber yards everywhere.

DEPARTMENT EDITORS

Field Editor.....F. B. Nichols
Farm Doings.....Harley Hatch
Poultry.....G. D. McClaskey

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SPECIAL TO ADVERTISERS.

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

The Farmers Mail and Breeze

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CHARLES DILLON, Managing Editor.

F. B. NICHOLS, Associate Editor.

E. W. RANKIN, Advertising Manager.

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ADVERTISEMENTS GUARANTEED

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

Passing Comment--By T. A. McNeal

Must It Always Be?

It is common to hear men say that wars have always been and always will be. I do not believe that; but then I cannot look any further into the future than other men and my judgment as to the future may be entirely at fault. Let us look at the reasonableness of this statement that wars have always been and always will be.

There are a few things that seem to be settled by the present great war. One is that the people who have to do the fighting are all heavy losers no matter which way the war goes. If Germany wins, which I think is now scarcely among the possibilities, she cannot hope to win so decisively that she can collect indemnities from her foes. Her people must, therefore, in any event, face the necessity of shouldering a debt so immense that it staggers the imagination; or resort to repudiation which means bankruptcy, and the complete loss of national credit. The German people, therefore, must come out of the war poorer in any event. Their losses of men have been frightful, and they have been from among the most efficient and valuable of Germany's sons. The productive capacity of the German people must be greatly lessened no matter how the war ends. Assuming however, that Germany and Austria finally are defeated they will not only have to bear their own losses in the way of their best men killed or wounded, but in all probability they will have to bear an additional load that will be imposed on them by their victorious foes.

Consider the case of France: If Germany had been completely successful France undoubtedly would have been almost ruined as a nation. An indemnity greater than that demanded by Bismarck in 1870 would have been imposed this time. France would have lost also the richest of its territory, and other conditions would have been imposed that would have reduced it to a third or fourth rate power. Under the conditions France was compelled to fight for her life. But while defeat would have meant ruin, victory differs from it only in degree. France will come out with a glorious record for gallantry and for the ability shown by her commanders and statesmen and the self sacrificing devotion of her soldiers; but the cost has been fearful beyond what we who have not seen the effect can imagine. By the time the war is over France will have lost in killed and permanently disabled perhaps a third of her men of military age. Her national debt, huge before the war, perhaps will be quadrupled. Much of her best territory will be laid waste almost beyond repair. The physical standard will be lowered as much as it was by the prolonged Napoleonic wars of a century ago, from which France has never fully recovered. So, even in gaining, France will lose terribly.

This is true of every other nation engaged. They have all suffered the loss of their best manhood. The burden of debt and taxation is and will continue to be tremendously increased. And what is perhaps worst of all this war will leave a heritage of hatred and bitterness that will not be obliterated for more than half a century.

To assume that wars always will continue, then, is to assume that the people who must endure the suffering and sweat to pay the bills afterward, and whose assent either voluntary or forced is necessary to the carrying on of war at all, will continue to stand for a policy which they now know means their impoverishment and destruction.

But, says the man who insists that wars will always continue, it always has been known that war results in the suffering and impoverishment of the masses, but notwithstanding that fact war has generally been popular. The war lords have been the idols of the masses while the rulers who strove for peace have been criticized. Even in our own country they say that popular clamor drove McKinley into a war which might have been avoided. To that I reply that never yet has there been given to the people the opportunity to express a calm and deliberate opinion as to whether they should engage in war. Their passions have been played upon by designing agitators and newspaper editors with selfish interests in view. The people have been swept off their feet sometimes, before they had time calmly to consider, but in no case has there been a deliberate, popular demand for war.

But even if it has been that wars in the past have sometimes met with popular favor, that popular opinion was the result of ignorance or misinformation. It is said that in this war the German people by an overwhelming majority favored the govern-

ment. Do you think, however, that if the German people could have had any just appreciation of what this war really meant, of the suffering and losses it would entail, that they would have favored it or even permitted their government to engage in it? My opinion is that if the German people had realized what the war would bring upon them they would have rebelled rather than consented to it.

I will admit that before war is forever banished from the earth there must be a much greater degree of enlightenment among the masses than there is now, and also a much greater degree of enlightenment among the leaders than there is now. There must also be a broader and more intelligent conception of patriotism than there is at present, and above all there must be a spreading of the gospel of co-operation and common sense.

The Editor Was Wrong

A couple of weeks ago an article appeared over the signature "Accountant" concerning a concern in St. Joseph which lends money, the borrower to repay the loan on the weekly payment plan. As an example a case was cited where a loan of \$50 was made, the lenders taking out \$3 interest and charging \$1 for making the loan and then requiring the borrower to repay the loan at the rate of \$1 a week until paid. I made a hasty calculation and said that the rate of interest charged the borrower was 87-10 per cent. The writer of the communication had insisted that the lender was charging at the rate of 160 per cent. He writes me again challenging my figures but stating that the interest paid is about 19 per cent, which by the way is considerable of a reduction from 160. Taylor Storm of South Coffeyville also writes in to correct me and says that the interest paid would be a little more than 174-10 per cent.

Now the fact is that we have all been wrong in our figures. I was using the old rule to find what rate of interest one sum is of another, divide the sum considered the interest by 1 per cent of the principal for the time for which interest is to be calculated. In this case \$46 was the principal sum, \$4 was the interest paid for the use of the money and the average time of the loan was 25 weeks.

I made the mistake of dividing \$4 by 1 per cent of 46 while I should have divided the \$4 by a small fraction less than one-half of 1 per cent.

The gentleman who sent the original communication was wrong as he now acknowledges by saying that the interest was about 19 per cent. Mr. Storm is wrong when he declares that the rate of interest was 174-10 per cent and the editor was wrong as I have stated. As the borrower began paying his note the next week after making the loan, he would have the use of the \$46 for an average period of 25 weeks. One per cent of \$46, if my figures are right this time, for 25 weeks is 21 cents and the rate of interest would be 19 per cent plus. This I will very frankly say is an exorbitant rate of interest and entirely unjustified. I therefore hereby take back my partial endorsement of the St. Joseph institution. It is not so bad as 160 per cent but 19 per cent is sufficiently outrageous.

We Learn Slowly

It must be admitted that people, that is the masses, are slow to realize what is to their own advantage, and even after they are, perhaps, convinced, or a majority of them are convinced that a certain policy would be to their advantage, they are still slow to form any practicable plan for putting such a policy into operation. By way of illustration the city of Topeka, thru the operation of a limited city-owned lighting plant, has demonstrated the fact that electricity for lighting purposes can be manufactured for less than 2½ cents a kilowatt, but we continue to pay without protest or at least without any effective protest, at the rate of 7 cents a kilowatt, and the Edison company gives us to understand that we should be thankful we are able to get it at that. What this city ought to do is to build and operate a lighting plant sufficient to supply the needs of the citizens at cost of manufacture and distribution, which would be not to exceed 3 cents a kilowatt.

Now, I am of the opinion that a large majority of the citizens of Topeka who have made any study of the question, favor doing that very thing; but it does not follow at all that it will be done. When it comes to putting plans into execution for their own benefit

the masses of the people seem singularly inefficient. They permit themselves to be exploited year after year, and they see a few garnering vast riches by the process of exploitation, but about all they do about it is to growl more or less.

If the city of Topeka had built its own water works there is no question whatever that the taxpayers of the city or rather, perhaps, the water users, would have been saved fully three-quarters of a million dollars. We paid, as we now know, about \$350,000 more than it was worth by the most liberal estimate, and on that \$350,000 we will pay interest for 30 years at the rate of 4½ per cent, or nearly one and a half times the original indebtedness. But we did not build our own water works system. We allowed ourselves to be exploited by a corporation. Our government, national, state and local is unnecessarily complex, cumbersome, expensive and inefficient, and as a result taxes are unnecessarily burdensome.

But while we complain we are doing nothing to simplify our government, and make it more responsive to the wishes and needs of the people and less expensive. We talk a good deal, grumble about high taxes, but really do nothing to better conditions. Will the people finally learn how to get their wishes translated into action? Will they ever learn how to govern themselves in fact as well as in theory? I think they will. I have faith in democracy.

I believe that the judgment of the masses, when once they understand a question, nearly always is just and wise, but often what we call the voice of the people is not the voice of the people at all; it is merely the echo of the voice of designing politicians who do not care a whoop for the people but want to use them, if possible, to serve their own selfish ends.

How soon the people will come into their own and find effective ways to put their real and intelligent wishes into operation I do not know. It is not an easy problem to solve. It is possible, I think, to educate the masses of the people so that they will have an intelligent grasp of public questions, but the best method of selecting instrumentalities by which the intelligent will of the people may be carried into effect is a more difficult problem. It can, and I think will be solved, but when I do not know.

Motor Trucks

Your article in the Farmers Mail and Breeze about the use of motor trucks for the transportation of farm produce to market gave me a busy hour, for after reading it, I went to figuring. You mentioned a distance of 300 miles for motor truck purposes, so I looked up a Santa Fe tariff sheet and found that Kinsley is 303 miles from Kansas City. A farmer friend of mine living two miles from Kinsley recently sold a car of wheat in Kansas City, shipping it over the Santa Fe, paying freight charges of 13½ cents a hundred, or \$108 for the car of 80,000 pounds, or about 1300 bushels. With four teams and four men he loaded the car in a day at a cost of \$14, making a total cost of \$122 for transporting 1300 bushels of wheat from the farm near Kinsley to the elevator in Kansas City. The car reached its destination the third day, the company being responsible for the shipment during the trip.

You say that with paved highways, farm produce could be moved in motor trucks to market at considerably less cost and as rapidly and perhaps more rapidly than it can be moved over the railroads. I have figured a little on that, too. The biggest motor trucks will haul 10,000 pounds. Eight trucks, therefore, would be required to transport the farmer's 1300 bushels of wheat from Kinsley to Kansas City. The best speed of a 5-ton truck is 12 miles an hour, but the average speed for a long distance on a paved highway possibly would be 8 miles, requiring, therefore, about 3½ days, 10 hours work a day, for a motor truck to make a trip from Kinsley to Kansas City. The eight motor car drivers at \$2 a day would cost the farmer \$56 for their services, and at least \$1.25 a day each for board and lodging, or \$35, which, added to the wages, would make \$91 for chauffeurs and their keep. The gasoline for eight trucks 3½ days would cost \$53; the loading at home and unloading in Kansas City \$10, and the insurance against water and fire in transit \$5, bringing the operating expenses up to \$150, or \$28 in excess of the amount paid for shipping the wheat on the railroad.

But the paved highway has not been constructed, nor has the farmer purchased his motor trucks. A brick road from Kansas City to Kinsley would cost approximately \$15,000 a mile, or 4½ million dollars; a concrete road, \$9,000 a mile, or \$2,700,000; a rock road, \$5,000 a mile, or 1½ million dollars. The Kinsley farmer would have to pay his share of this, but figures are not available. The assessment depending upon the extent of the road districts. However, I have real figures regarding the cost of motor trucks. Good ones of the 5-ton type cost \$3,200 each. Eight of them would set the farmer back \$25,600. By doing all the hauling in his part of the state the farmer might be able to keep his trucks going, but if he couldn't operate

any cheaper than is shown by the figures I have given, his neighbors probably would pass his scheme up and patronize the railroad.

It seems that something has been overlooked. O, yes; the depreciation of the farmer's truck train and the interest on his investment. On a 20 per cent annual depreciation, the three-day trip would cost the farmer \$39.09, and the interest on his investment at 7 per cent for three days would be \$16.85. Add these items to the total given, and the farmer's truck transportation would cost him \$205.94, as against \$122 by rail; not counting anything for highway construction.

By the way, I left the farmer's trucks in Kansas City, after the wheat was unloaded, on the theory that they would be loaded with merchandise for the return trip. If shippers should be so unreasonable as to decline to pay more for motor truck transportation than they were required to pay the railroad, the trucks probably would return to Kinsley empty, thus increasing materially the cost of the farmer's shipment of 1300 bushels of wheat.

You quoted a dispatch from San Antonio stating that 132 motor trucks carried 2,000 Kansas soldiers from Eagle Pass to San Antonio in 28 hours, a distance of 160 miles, for one-third of that which would have been entailed in railway transportation. No details regarding the actual cost of the trip were given—just the unsupported assertion that the service by motor trucks was a third of what railway transportation would have cost. Now, a few figures on that subject.

The railroad company would have charged two cents a mile or \$3.20 a soldier for the trip. The total railroad transportation for the 2,000 soldiers would have been \$6,400, and the trip would have been made in seven hours. According to the dispatch, the soldiers were transported for \$2,000. An analysis of the items making up the actual expenditures would be interesting.

The government doubtless used soldiers for chauffeurs, paying them at the rate of \$15 a month and board. Any institution other than the government would have paid a three days' chauffeur bill for each truck on the trip, counting 10 hours a day from Eagle Pass to San Antonio, which at \$2 a day would have made a chauffeur bill amounting to \$792, but the government with its policy of paying the lowest possible price for labor probably cut this item in two, making it \$396. If ton-and-a-half, 15-passenger trucks were used, the gasoline bill would run about \$1.25 a car every 10 hours or \$3.44 a car for the trip, a total of \$454.

Two thousand soldiers at 50 cents for wages and 60 cents for keep cost the government \$2,000 a day. The difference between railway and motor truck transportation from Eagle Pass to San Antonio is 21 hours in favor of the railway, or seven-eighths of a day which would cost the government \$1,750 in lost time and board for 2,000 men. The three items, therefore—gasoline, chauffeurs and loss of time—would come to \$2,696, or \$400 more than the dispatch said the soldiers could have been moved for by motor trucks. Nothing has yet been said about the mere bagatelle of the cost of 132 motor trucks at \$2,000 each, a total of \$264,000. The wear and tear on the trucks for this trip for a day and a third, on a 20 per cent annual depreciation, would be \$192, and the interest on the investment at, say, 5 per cent, would be \$48 for a day and a third. These two items would bring the total cost of the motor truck trip up to \$2,846 or \$646 more than your story indicated.

I beg to submit the information contained in this letter for your careful consideration. If you see anything wrong, please be kind enough to point it out. If you can get hold of figures different from those submitted herewith, I would esteem it very much indeed if you would let me have them.

Topeka, Kan.

J. F. JARRELL.

That is a specious argument, but if my friend Frank Jarrell were to attempt to carry water in it he would not have enough moisture at the end of the first rod's travel to put out the flame of a safety match. His whole argument is based on the assumption that the largest motor trucks that can be made are 5-ton trucks and that necessarily they would move only 10 hours a day. He could have made his argument five times as strong as it is if he had assumed that the farmer must necessarily haul his grain to market in 1-ton trucks, because that would necessitate the employing of 40 trucks and 40 chauffeurs to haul his wheat to market and of course would increase the expense nearly five times.

Henry Ford has announced that he intends to put out a tractor, truck and automobile all for \$600 and whatever you may think about Henry's views on war you must admit that he does not talk thru his hat when it comes to business statements.

Now, I do not know the size of the truck Henry proposes to build for this remarkably low price, which I assume means \$200 for each machine, but he undoubtedly means to build a truck large enough for the farmer's present needs, about a 2- or 3-ton truck. If the road is properly paved there is no limit to the size of the truck that can be built. It would be as easy to build a 20-ton truck as a 3- or a 5-ton truck and the cost certainly would not increase in proportion to the size of the truck. If Henry Ford can build a 2-ton truck for \$200 it will not cost ten times that amount to build a truck that will carry 20 tons. But for the sake of argument let us assume that it will, then the cost of a Ford 20-ton truck would be \$2,000. And then for the sake of being on the safe side, suppose we add a thousand to that estimate and call the cost \$3,000. It would require two trucks of this capacity to haul the 1,300 bushels of wheat. Estimating the average rate of speed on a well paved highway at 10 miles an hour and the wages of each chauffeur at \$3 a day; and counting the time three days and a half; the cost of oil and gasoline at \$30 for the two trucks, and the depreciation 20 per cent, as Mr. Jarrell figures it, and add that 6 per cent on the capital invested, we have the following result:

| | |
|--------------------------------|---------|
| Cost of drivers | \$21.00 |
| Cost of oil and gasoline | 30.00 |
| Depreciation | 11.48 |
| Interest on investment | 3.50 |

Total cost of transporting by truck.....\$65.98

Making a total saying to the farmer on his car of wheat of \$56.02. I do not think Mr. Jarrell's estimate of the probable cost of the paved highway is too high. Counting the land five miles on

each side of the road as tributary to the paved highway, there would be 3,200 sections. Assuming again that the entire cost of the highway were taxed to these 3,200 sections of land and all collected in one year, it would amount to \$375 a quarter section or a trifle more than one dollar a day. Suppose, then, that we add to the cost of transporting this farmer's wheat to market his daily cost for building this highway and paying for it in a single year, that would add \$3.50 to his bill for the three days and a half, or a saving even at that of \$53.52 on that carload. As there are farmers out in that section of the state who have two or three, or even five carloads of wheat to ship it is easy to see that the aggregate saving would be very considerable. Over well paved roads it is my firm belief that with large motor trucks, grain and in fact all of the farmer's products which will bear shipment could be transported a distance of 300 miles or even more at a cost of less than 60 per cent of the railroad charge.

The Rural Community

These days a good deal is said about the "Rural Community"; the rural consolidated school, and the rural church. American ideals are most evident in the rural community, because the opportunities are best for their development. Because they are so often thrown upon their own resources, the country boy and girl become self-reliant and generous. They learn perseverance, and economy. These conditions are at great contrast with the opportunities afforded the child reared in our great cities, where the child depends on the conventional life of the street, or the formal, dictated drill of the playground, and worst of all lacks parental direction in work and play. They are harnessed to a code of action in the routine of employment, and social affiliations more limited than the ordinary farm horse.

Therefore the perpetuity of our American institutions does and will continue to depend upon the agricultural districts. Our rural communities must have every possible advantage to develop and maintain the balance of power, industrially, educationally, ethically, and spiritually. I did not say morally, because all great moral reforms are started in the country. And it must continue to be so. But we must have statesmen of large vision who appreciate these possibilities and opportunities of our rural folk.

The great question then is, in what way can their best interests be guarded? What are some of the necessary factors? Fundamentally commercial interests.

Community interests require variety of business interests in small social centers to support rural consolidated schools and churches, which form the soul life of the rural community, so to speak. Our great statesman of the future will carry this idea close to his heart if he expects to represent his constituents and serve his country's best interests.

Our large cities are breeders of vice, poverty, and crime. The large cosmopolitan cities are the points of political and moral retards to a higher social plane. And there is no more important duty of congress than to enact laws that will distribute the centers of trade to the merchant of our small country village. Let us work for this redistribution of wealth, labor and the upbuilding of our rural districts. Let the village be the trade center and not the congested city.

A. S. STRAIN.

Blames it on Wilson

I see that Mrs. Frances A. Davis of Geuda Springs, Kan., in the Farmers Mail and Breeze of September 23 brands Mr. Hughes as a liar in the following paragraph: "I am not going to affirm or deny. But how about Charles E. Hughes, who said, 'President Wilson is solely responsible for the sinking of the Lusitania.' Is not that as big a lie as anyone could tell? President Wilson did not want the vessel sunk; did not know it would be sunk, and could not have prevented it if he had known it."

It is a strange fact that the truth as to President Wilson's share in the sinking of the Lusitania is not known. If it were I think Mrs. Davis and many thousands of deluded persons in this country would marvel at their simplicity and credulity.

President Wilson literally, as Mr. Hughes stated, is responsible for the loss of life on the Lusitania. I noticed Mr. Hughes's statement at the time he made it; but I have never been entirely sure I could interpret his meaning. Did he mean that Mr. Wilson failed to enforce a law that would have saved the lives of those lost, or did he mean that Mr. Wilson should have been more positive in his attitude toward the German government in regard to the submarine warfare and so prevented the attack on the Lusitania?

Assuming he meant the former, I think his judgment is absolutely accurate. I will give you my reasons for this view.

There is on the statute books what is known as the "Passenger Act of 1882." Section 8 of this law is as follows:

"It shall not be lawful to take, carry or have on board of any such steamship or other vessel any nitro-glycerine, dynamite, or any other explosive article or compound, nor any vitriol or like acids, nor gunpowder, except for the ship's use, nor any article or number of articles, whether as cargo or ballast, which, by reason of the nature or quantity or mode of storage thereof, shall, either singly or collectively, be likely to endanger the health or the lives of the passengers or the safety of the vessel."

Section 11 of the act provides that the collector of customs from which a steamship may sail shall cause an inspection of the vessel to be made to see if the law is complied with and if it has not been the collector is required to withhold clearance papers. The act provides heavy penalties for violation of its provisions as to carrying explosives. Section 12 makes the terms of the act apply to "every steamship whereon passengers are taken on board at a port in the United States for conveyance to any port in a foreign country."

This law was mandatory. The only exception to its terms that could possibly be invoked was the fact that a young lawyer in the Department of Commerce during the administration of Secretary Nagel had made a ruling, after a long series of efforts by manufacturers of small arms ammunition to get it, that revolver and rifle cartridges might be carried on such vessels. There is little doubt that this ruling was utterly void because it negated a mandatory law of congress. I have tried hard to get a copy of this decision but have been unable to do so. Government officials do not seem to be very proud of it.

It will be remembered that a week or more before

the sailing of the Lusitania there was caused to be published in newspapers thruout the United States a formal notice to intending travelers not to take passage on steamships likely to be subject to attack from submarines. It was also well known that the Lusitania would carry a large cargo of war munitions.

Four days before the Lusitania sailed a member of President Wilson's cabinet went to him and called his attention to the fact that there was a law against carrying explosives on the same ship with passengers and asked him to enforce that law by refusing to allow the clearance papers to be issued if the Lusitania should, on examination, prove to have a large quantity of explosives on board. Mr. Wilson refused positively to be moved by this appeal.

Altho agents of the Cunard line denied repeatedly that there was any ammunition or explosives in the cargo of the Lusitania before she sailed, the copy of the ship's manifest which was given out at the New York customhouse showed that she had on board 5,471 cases of rifle cartridges.

The manifest itself so far as I have ever known has not been seen by anyone except the officials of the customhouse and the President who sent for Collector Malone after the catastrophe and interrogated him as to his performance. It has been generally supposed that the manifest showed the presence in the cargo of the Lusitania of a quantity of picrate of ammonia.

The 5,471 cases of ammunition contained 6,565,200 rounds of rifle ammunition. Exclusive of the clips and metal cases there were 30 tons of gunpowder in this consignment of ammunition. Its detonation as one mass, with the probable presence of other high explosives like picrate of ammonia or trinitrotoluol, the most powerful known explosives, would account for the swift destruction of the ship.

It is easy to say that the commander of the German submarine should not have torpedoed the Lusitania. But looking at his duty from his point of view, with the possibility in that ship of the maiming or killing of hundreds of thousands of his countrymen fighting bravely for their side of a controversy in which they believe they are right, how could he have done otherwise? He may not have known that there were precisely 5,471 cases of rifle ammunition on the ship, but his government had been informed that the Lusitania was to carry ammunition in large quantities.

There is more of this matter than can here be told. It would make too long a story. Congress should have investigated the Lusitania affair. But the war is a trust question in the United States. We no longer possess a free press. Every newspaper of any power is the instrument of a money group interested in making more money out of war sales. In consequence, the American people have been warped in their opinions of the war by cleverly devised misinformation. Neither the Republican party nor the Democratic dared to pry into the Lusitania affair.

The question in my mind is: Will Mr. Hughes do so?

But of one thing I have no question: President Wilson alone of all men could have prevented the loss of life on the Lusitania if he had obeyed his oath of office and executed the law against carrying explosives on steamships carrying passengers across the Atlantic.

Of that there can be no doubt if facts are squarely faced.

J. A. TRUEDELLE.

Washington, D. C.

Cutting Out Graft

From Governor Capper's Address at La Cygne, Kan., August 30.

I am opposed to all private favors at the public expense. I find that in buying public supplies, not infrequently it has been the custom for public officials, both state and local, to favor a bidder who may be a friend. He may have contributed liberally to the campaign fund, or he may simply be considered a good fellow, whose turn it is to have a little of the fatness out of the public crib. I am satisfied this pernicious custom is quite common all over the land; that many dealers and supply houses feel that they have a license to graft in this way on the public treasury.

Recently I was somewhat surprised to find that a certain dealer was selling supplies to the state at about 10 per cent more than he was charging me for the same goods in my own business.

"Why?" I asked.

The answer I got was that it always had been the "custom" to get a little better price from the state.

I may say it is a custom that has ceased abruptly under this administration. The state is entitled to the lowest price. I shall continue to make it my business to see that the man who makes the lowest price shall invariably and regularly get the state's business, without regard to his religion, his nationality, his good fellowship or his political pull.

In bringing about and in doing these things, I believe I am standing for the practical ideals Kansas Republicanism believes in and you believe in. The great central, driving purpose behind it all is the purpose to promote and encourage the development of our state agriculturally, industrially and educationally—a big, broad, liberal policy in keeping with a great state and looking for every practical avenue for the state's advancement. But first of all we must have a system of state government that will be systematic, working like clock-work with the least noise and the least expense and giving everybody genuine, steady and faithful service all the time with the least waste of time, means or labor. That is a glorious ambition worthy of us as Kansans, as citizens and as party men.

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Farm Union That Wins

Co-operation is Making Rapid Progress in Most Parts of Kansas

THE success of some co-operative organizations, such as the Grange, with its 400 Kansas chapters, has shown the need for this spirit among farmers. Other lines are well organized. The high prices that are being obtained for their service or products indicate the results that can be obtained. A good organization in any line is of great economic benefit in eliminating waste, also.

In speaking of this recently C. E. Bassett, a specialist with the United States Department of Agriculture in the study of co-operation among farmers, said: "In the farmers' general plans for improving their condition it is necessary for them to take advantage of the co-operative principles for conducting their business, to the end that they also may be able to eliminate waste. A farmer should pay for necessary and efficient service only. In case he finds that he can serve himself more efficiently than others are serving him, if he can install and operate his own business machinery, arrange to pay cash, or supply his own credit, he should do so. The trade should and usually will consent to meet him on this thoroughly sound basis."

If it is good business and entirely proper for manufacturers, wholesalers, and retailers to unite in their respective organizations, not to control prices or restrain trade, but for greater business efficiency and to eliminate waste, what argument should induce farmers to refrain from similar action to improve their business? What can the manufacturer gain by such organization which is beyond the farmer? Is the average intelligence of the manufacturer less than the average intelligence of the American farmer? If it is advisable for the manufacturers and dealers to federate into state and national associations, by what line of reasoning do some persons conclude that it is unnecessary or improper for farmers to organize even on a community basis?

A farmer is interested first of all in getting goods of standard quality. Large amounts of spraying and fertilizing chemicals are used on many farms, and it is important that these materials be high grade and free from impurities. The amount purchased by each grower is not sufficient to warrant having chemical analyses made, but where full carloads are purchased by a group of farmers a composite sample may be taken, and one analysis will show the average quality of the whole.

Another effect of co-operative purchasing has been to bring the farmers together in the use of the same make of implements and fruit packages. One western organization, the Wathena Fruit Growers' association, agreed on one style of power sprayer where a dozen or more formerly were sold. Not only did the farmers save a large sum on the purchase price, but one line of repairs now supplies their needs, and parts can be kept on hand for sale to all members at a great saving.



When Kansas Farmers Get Together the Matter of Co-operation in the Sale of Farm Products is Almost Certain to be Mentioned.

Another association secured the adoption of one style of fruit package where no fewer than eight had formerly been in use. Manufacturers who formerly had to keep in readiness eight styles of basket forms and eight kinds of supplies can now devote their entire force and factory to the making of one style, thus lessening the cost of making and decreasing the selling price, while insuring a constant supply.

The co-operative plan of buying farm supplies should not disregard the local dealer. The merchant who in the past has extended credit and given other valuable services should be the first considered when there is cash to expend. The co-operative committee should go to such local firms and explain that the members are now in condition to perform certain service which formerly has been rendered by the dealers, and, in view of their less exacting requirements, they expect to save to themselves the price formerly charged for that work. In several cases the merchants have welcomed such an arrangement, and it resulted in the creating of an excellent local spirit. The local dealer supplied the goods at a small profit, because he was not obliged to render the usual service. In many cases the local dealer has the exclusive agency of the most desirable lines of goods, and this plan makes it possible to save on the exact class of goods wanted, but in such a transaction the local dealer should be willing to act as the agent of the buying association and to work for the interests of its members.

The possible saving to be accomplished thru co-operative buying is illustrated by the fact that in one case a state co-operative association assembled so many orders for spraying chemicals that the members were able to buy very much cheaper than were regular dealers. As a result a large number of retail dealers in that state joined the association, to buy their store supplies of these chemicals thru this association.

Some associations assist their members by still another line of work involving the manufacture or simple mixing of fertilizers; the making of barrels, boxes, or other containers; and the manufacture of spraying materials, cement posts, or blocks. Co-operative work of this sort requires experience, large capital, and careful business management. It should be attempted only when these factors are present and when market prices are so extremely high that there is a reasonable probability that co-operative manufacturing will result in

materially improved quality, substantially lower prices, or both.

Attempts of consumers, both rural and urban, to establish co-operative stores have been quite common in this country for many years, and in a small proportion of cases they have met with success. In a majority of instances the result has been failure, due largely to a lack of business experience with re-

sultant poor management, small capital, inadequate accounting and auditing systems, and a lack of continued loyalty on the part of the members themselves. Some of the successful co-operative stores have been taken over gradually, thru the purchase of stock, and are now co-operative in name only. One of the most successful co-operative stores on record is owned by miners who earn good wages, are paid regularly, and live in a section that has to bring in most of what it consumes. Most of these miners are foreigners whose wants are for staple rather than fancy goods. They do their own delivering and need and expect no credit. Such a condition is most nearly ideal for the success of such a store, differing materially from those cases where the proposed patrons demand assortments of fashionable goods and are accustomed to receive credit, frequent delivery of goods, and similar expensive services. In any community which already has several stores it is better to buy one already in existence and convert it into a co-operative enterprise rather than to attempt to establish a new business.

Communities that have never had any co-operative experience often find it easier to begin with a buying than with a selling plan, where local conditions are such as to warrant that start. When the operation of that plan has educated the members to the spirit of working together and accustomed them to facing difficulties that are sure to arise, they are better prepared to undertake the more intricate details of a plan for successfully marketing their products. The co-operative spirit of a community is a matter of growth. As the child learns to walk before it runs, so a community should be satisfied to begin working together in the simplest ways and should undertake more elaborate plans only as their co-operative strength is developed.

A Horticultural Book Free

The proceedings of the Kansas State Horticultural society for 1914 and 1915 is ready to distribute. This volume contains much valuable horticultural information.

Many details of the practical management of orchards are explained by successful growers. The growing of small fruits is emphasized especially by experienced men and women.

This volume will be mailed to interested parties who apply to the secretary of the State Horticultural society, Topeka, Kan.



A Farmers' Co-operative Association Loading Farm Products. The Associations Make it Possible for Farmers to Get the Full Price Which their Products Bring on the Central Markets, Less the Necessary Selling Expense. This is a Most Efficient System. The Extra Profit is Necessary in Kansas if Farming is to Make the Proper Progress.

To Reduce Fire Losses

Care is Needed on a Farm to Establish Simple, Ordinary Precautions

THE LOSSES from fire on Kansas farms are very high. They can be reduced if care is taken with the work from day to day. This fire risk is a danger that every farmer must face. The farmer who has not experienced a disastrous or near-disastrous fire is indeed fortunate and he may attribute his good fortune to a number of precautions taken against fire. But some day a fire of mysterious origin may sweep away a whole group of buildings if he is not adequately equipped to fight or partly control it. We had thought ourselves fortunate for 20 years, but were recently visited with fire; and the fact that we saved all the buildings in a group is convincing proof that our equipment for fighting fire was well worth the investment.

The large barn caught fire somehow, and as the shingles were very dry the air currents created by the intense heat drove them upward and the breeze carried them directly onto the house and shop. But these buildings were covered with steel roofing, thus obviating any danger of the roofs igniting. This instance proved the value of roofing material that will not burn. Flying fire is much more likely to ignite a wood shingle roof than any other portion of a frame building, says the Ohio Farmer, unless, of course, the fire is so close that the intense heat will fire the siding. Steel roofing is lasting where it is painted every five or six years. Our home has been covered with it for more than 20 years and it is quite evident that if it has the same care in the future it should give good service nearly that long yet. With a fire-proof roof overhead one feels greater safety from fire and lightning.

When fire breaks out the first call is for water. The hand pump and bucket brigade is not a very effective means for controlling fires that are more than a few feet high or that have gained some headway. The farmer has no fire department to call on when aid is needed, so the next best thing to do is to install a water system which will furnish water under pressure at any time. This need not be expensive, as most farmers already have the power to operate the pump.

Of the two systems most generally used, the overhead or elevated tank and the pressure tank of steel, we prefer the latter. We have had such a pressure tank in the basement of the house for many years, supplying water to various buildings besides the kitchen and bathroom in the house, and as an aid in fighting fire its value cannot be overestimated. There is little difference in the cost between an elevated tank and a steel pressure tank. The latter can be installed where there is no danger from freezing and it keeps the water always cool and free from dirt so that it is pure and healthful to drink.

Where a pressure system is in operation hydrants should be placed near all the buildings and conveniently about them; they can be boxed up in winter and surrounded with sawdust to prevent freezing. It is well to have three or four water taps inside each building also. If but one is provided and fire breaks out near it there is often small chance of using it. Each tap should have



A Modern Farm Home; Good Fire Protection is Required to Guard Both the Property and the Lives of the Family.

threads on it in order that a hose may be attached to it when necessary.

Rubber hose is a necessary adjunct to this equipment. Not less than 50 feet of it should always be available, as less than that will be found of little avail when the critical time arrives. With two baby carriage wheels and a substantial wooden keg one can easily construct a hose cart which will keep the hose in good condition if wound on the keg when not in use. A hundred feet of hose in several sections can always be used to good advantage on the farm and with a similar length of 1-inch iron piping, with connections, makes any part of a building accessible for fighting fire.

One farmer, who has no water system, keeps buckets full of water hanging in the outbuildings in convenient and conspicuous places. This is a very good plan, since a small blaze may be extinguished with a little water at the right time, while if one had to run out and first hunt a bucket and then run to the well for water the fire might gain such headway that it would be impossible to extinguish it even with good fire-fighting apparatus. Of course, the buckets will have to be replenished occasionally as the water will evaporate slowly. To prevent the water from freezing in winter salt may be added to it to lower the freezing point.

The admonition of my father at threshing time always was: "Keep several buckets of water near the barn and about the threshing outfit. It will impress the insurance authorities favorably in case of fire; besides, I'd rather prevent a fire than collect insurance, and it's seldom hard to do when water is handy." Altho there was never any occasion to use the water at such a time this has always seemed advice worthy of note.

Many farmers do not realize the value of fire extinguishers. They are cheap and effective and there is no mystery about their operation. There are many good kinds on the market, some of which are advertised. It is well to have at least one in the kitchen in a conspicuous place and each one of the family should be instructed how to use it.

Generally, when fire breaks out, most people lose their heads, so to speak. This may or may not be provided against,

but one farmer at least has devised a novel scheme. He has fire drill. He will say at most unexpected times: "Now, John, suppose you saw a fire in the north end of the wood shed. What would you do first?" or "If the barn were in flames what should you do?" These and numerous other questions must be answered on the spur of the moment. "Where will you find the ladders and hose? How do you operate the fire extinguisher hanging there?" The telephone also shares an important part when it comes to summoning outside help.

Overturned lanterns and hand lamps are the sources of many fires on the farm. There are means of doing away with these. Electric, acetylene and gasoline lighting systems are safe as well as convenient. In place of the old style coal oil lantern we have the electric battery hand lantern which provides just as good or better light than the former and one need not fear overturning it in the stable or hay mow. Hired men are often reckless about carrying matches and smoking in the barn. A match dropped under a horse's feet may easily be ignited by being struck with the horse's steel shoe. Post "No smoking" notices in the barns; the force of repeated verbal warnings is never lost.

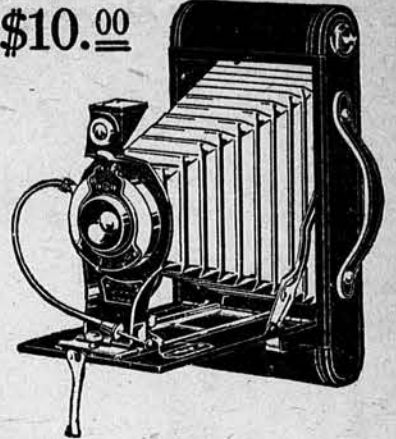
Cleanliness about the premises is a safeguard against fires. Dry debris and chaff near or inside buildings are quick to catch fire from a spark or small flame. A clean-floored building offers little encouragement to fire. Cover furnace, hot water and flue pipes with asbestos cloth. Examine the flues where possible and see that they are not defective. Chimney tops will need pointing up every few years. A coat or two of paint given to wood shingles will preserve them and offer some resistance to fire. Joints of stove pipe should be made secure against becoming disconnected; a heavy draft may shake a loose connection apart. It is dangerous to put fresh ashes from a stove near a building, especially when the wind is strong. Keep oils, gasoline and such highly inflammable stuff at a safe distance from buildings. If all the requirements of an insurance policy are fulfilled one will have gone a long way toward fire prevention. It is well to read the policy four or five times a year; it is instructive as well as beneficial.

It may seem a useless burden to keep up the regular payments of a fire and accident insurance policy, but when a pile of ashes is all that is left of many years of hard labor and expense there is some pleasure in knowing that one has immediate funds from insurance with which to pay a part of the cost of rebuilding. After their first damaging fire most men raise the insurance on their other buildings.

It often is said that you can't get something for nothing, but you can come nearer it with a little neglected fruit garden than anything else. If fruit was not so kind toward the man who neglects it we would not see so many run-down trees and bushes.

The national hog crop is about 3 per cent smaller than last year, according to reports compiled by the bureau of crop estimates at Washington.

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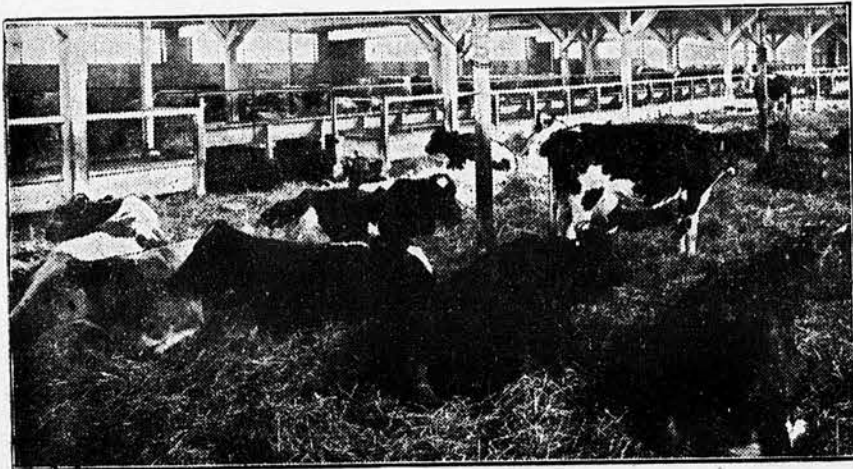
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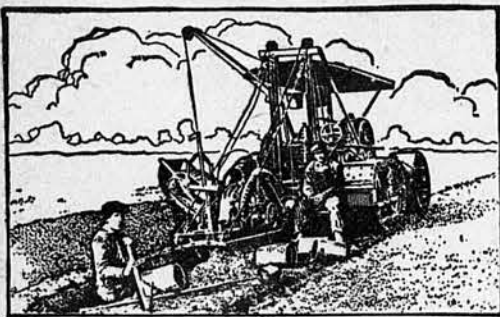
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Best Way to Cure Broomcorn

How To Build Sheds Or Drying Rooms and Racks That Will Insure the Most Satisfactory Results

PRICES paid for broomcorn depend largely upon proper drying. "It has been stated," says the editor of Brooms, Brushes and Handles, "that for small crops almost any shelter may serve the purpose, but for large crops special drying houses are required. These are frame buildings with a tight shingled roof. The sides are covered with upright boards a foot wide with the joints battened, or covered with narrow strips. Every fourth or sixth board is hung on hinges so that they may be opened to allow a free circulation of air. Provision must be made for fastening them down with a button when necessary for protection during storms."

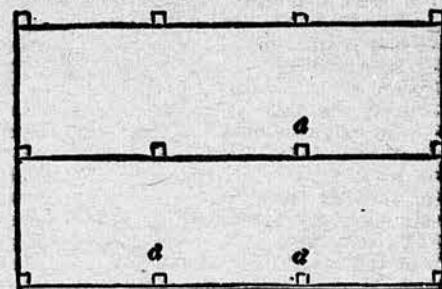
"For the sake of durability, the building should be painted, but this often is neglected. One grower estimates that 50 acres of broomcorn will require a building 20 by 40 feet and 10 feet high with a shed upon one side 10 feet wide and 8 feet high.

Drying Racks.

"Racks are fitted up inside of the building upon which to place the brush to dry. These are built when timber is at hand with poles for uprights, or light

as dry as possible when put on the drying racks. For this reason cutting should not begin in the morning until the dew has dried off lest the crop be damaged.

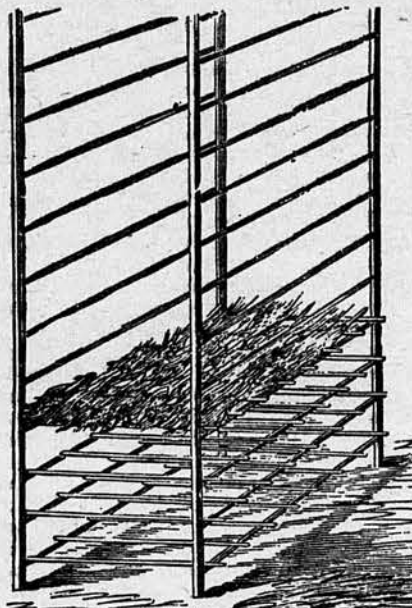
The time required to dry will vary of course with the weather, but it should be facilitated by attention to the ven-



Plan of Stalls.

tilators and by admitting all the air possible on nice dry days. During stormy weather the ventilators should be closed. A lookout should be kept for sudden showers and it should be the business of some one to attend to the shutting of the ventilating doors whenever there is danger of injury by rain.

The form of the drying-house is of little importance, so that the requisite facilities for unloading the brush, piling it upon the racks, exposing it to currents of air, and at the same time preserving it from rain and damp, and for removing it when cured, are provided. Probably one of the most convenient and practically useful drying arrangements in the country is the one illustrated here and is used for the curing of broomcorn of different kinds. The following description of all the buildings, and general management in harvesting, will show how admirable are the arrangements for handling an immense new crop. The dry houses, of which there are five, are arranged around a central building used for a sorting-house, in such a manner, that the wind has a free sweep in any direction, and access can be had with wagons to every dry-house and all around the sorting-house. The dry-houses are shown at a, a, a, the sorting-house at b, the scrapers at c, and the horsepower—a 10-horse lever power—which runs the scraper for cleaning the brush, at d. Every one of these dry-houses consists of 12 sections or stalls, as seen at a glance, 8 feet long, or 7 feet 4 inches in clear between the posts. A house may consist of any number of these sections needed to contain the brush raised upon the farm, from one upwards. In these five buildings



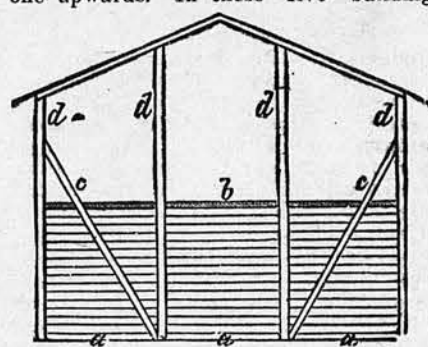
A Good Drying Rack.

scantling 2 by 2 inches. Where these are not the most suitable and cheapest, oak plank may be sawed into strips 1 by 3 inches. Whatever material is used for the uprights, they should be 12 feet long."

Every pair of poles has narrow strips 4 feet long nailed to them, 6 inches apart, to form a sort of ladder. If good mason's laths can be had, these may be used. They are 3 feet and 10 inches long, and if free from knots, will be strong enough. These racks are then set upon the floor of the house 3 feet and 10 inches apart. Other laths are laid across the strips upon which the brush is to be placed to the thickness of approximately 2 inches.

The Drying House.

Such a mass of partly green vegetable matter as is thus brought together in a drying house will heat quickly in damp weather. Hence the brush should never exceed 2 or 3 inches in thickness upon

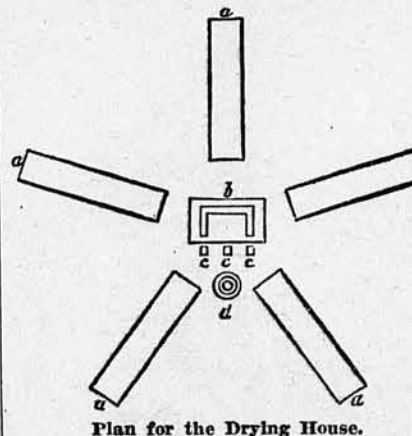


Section of Dry-house.

there are 60 stalls (12 to the building), which are sufficient to hold the brush produced on the 600 acres. The stalls are filled, however, three times; first with the early dwarf varieties, which are baled and out of the way by the time the first of the later varieties are ready for cutting; these are dried and baled by the time the latest come in. The season of harvesting is lengthened in this manner, by planting succeeding varieties, as well as by planting each variety in succession. A stall 8 feet wide, 24 feet long, and 16 feet high, sufficient for 3 to 4 acres is filled only once.

The Stalls.

The stalls are made by placing posts 4 inches square and 16 feet long, 8 feet apart from the centers, as shown at d, d, in plans, and d, d, d, d, in plans. These posts form a bent of the dry-house, and each bent forms a stall. Laths or strips, 1 inch thick and 2 inches wide, are nailed to the posts 6 in-



Plan for the Drying House.

the drying racks. Much will depend upon the state of the dryness when it is put in the racks, and upon the weather conditions. The brush must be

(Continued on Page 17.)

Larger Crops by Pumping

Farmers Interested in Irrigation Met Last Week at Larned

BY F. B. NICHOLS, Associate Editor

THE Kansas State Irrigation congress met last week at Larned. Delegates were present from all the counties which have irrigation, and from Oklahoma and Colorado. Much attention was given to the practicable principles of plant operation. Most of the men who talked to the congress were farmers who have had years of experience in pumping.

E. E. Frizell of Larned, the president, delivered an address of welcome Tuesday morning. He told of the early experiences in irrigation in the Arkansas River Valley. The first work of this kind was done in 1879 in the building of a ditch from the Arkansas River 4 miles west of Garfield, to Coon Creek and then to the Pawnee River. Mr. Frizell drove one of the teams of mules used in this work. The money was not available to complete this ditch.

The personal equation, the ability of the farmer in charge, is perhaps the most important thing in the successful management of irrigation. P. E. Crabtree of Scott City, the district agricultural agent, spoke of this. He showed that the farmers in Kansas who are making the most money from irrigation are those who have made a study of the business, and who understand the more efficient methods of operation.

Around Garden City.

Chester Carter of Garden City, told of the recent developments in pumping plant installation. Progress has been made in the Garden City district recently in reducing the cost of sinking the wells and also in getting a larger flow of water. There are several firms in the business of sinking wells and installing pumping equipment. With the development of the business the operation and building of the machinery is being understood better. H. C. Diesem of Denver, an engineer in the government service, who has made a study of the plants around Garden City and North Platte, Neb., for many years, gave an address on this investigation. He showed the results that could be expected from the operation of modern equipment. Mr. Diesem has been concerned most of his business life in the pumping of water for irrigation. He is the son of I. L. Diesem of Garden City, the "father" of irrigation in Kansas.

Despite the good returns that have been obtained from pumping plants, a large number are not operated in a way that will give a return on the investment. H. B. Walker of Manhattan, state irrigation engineer and secretary of the congress, has visited most of the better plants in Kansas this year.

Some Poor Management.

"Judging from the records obtained on 125 irrigated farms in Kansas at least 40 per cent of the individual farm pumping plants of the state are non-revenue producing investments," Mr. Walker said. "We have in Kansas approximately 225 farm irrigation pumping plants. Practically 90 of these plants are not operated in a way that will produce revenue. The investment is placed so that depreciation is always going on. This lack of operation is not generally due to poor pumping equipment or lack of water; it is due mostly to the indifference of the owners. There must be a man behind the plant consistently and persistently to operate the machinery for the best yields. The greatest boost for Kansas in the way of irrigation is not more wells and more pumps to throw more water, but men with practical irrigation experience to operate these existing idle plants."

F. J. Guilbert of Wallace told of his results with the irrigation of potatoes. The plant owned by Mr. Guilbert is in the Smoky River Valley, and it has been very successful. He has produced 300 bushels of potatoes an acre. The main varieties grown on this farm are Peachblow, Rural New Yorker and Burbank.

More satisfactory home conditions can be established in Western Kansas by extending the use of water to the lawn and garden. The overflow from the windmill usually is enough for this irrigation if it is saved. A. H. Moffet of Larned talked of the technique needed with this water.

The largest irrigated farm in Kansas is owned by the Garden City Sugar and Land company of Garden City. This

company now has an investment of about 10 million dollars. I. L. Diesem told of the work of this organization. He showed that the company is rotating crops, giving a great deal of attention to livestock and establishing a system of diversified farming that is permanent and profitable. Most of the land owned by this company is under irrigation, much of it from deep well plants.

A. L. Stockwell of Larned spoke on the growing of silage crops under irrigation. There are four solid wall concrete silos on his farm. The silage and the alfalfa are grown for sheep, and about 5,000 head a year usually are fed. The best results from the growing of silage were obtained this year from Blackhull White kafir, the yield being 23.5 tons an acre. This strain of seed has been head-selected in the field by Mr. Stockwell for several years; before that it was grown by the agronomy department of the Kansas State Agricultural college. It has outyielded all other varieties of the sorghums on this farm for silage.

Getting Water on Right.

High yields of alfalfa can be produced under irrigation if the water is applied properly. J. W. Lough of Scott City, the state irrigation commissioner, told of the methods used on his farm, where yields of more than 8 tons an acre for the season have been grown. Great care is needed in applying water to get it distributed evenly. Mr. Lough has installed a plant recently to generate electric power to be used in pumping, which cost \$50,000. He believes the irrigation movement will grow rapidly in Kansas.

L. J. Pettijohn of Dodge City spoke about legislation which might encourage irrigation. He told of the laws that have been passed, and of the results obtained. He believes that legislation can be enacted that will aid greatly in the growth of this business.

A trip was taken Wednesday morning to some of the pumping plants in Pawnee county, in cars provided by the Larned Commercial club. This trip included a visit to the plants owned by the state hospital, E. E. Frizell, A. H. Moffet, A. L. Stockwell and Alvis Bell. All the plants were running at the time of the visit.

Much attention is being given to irrigation on the Garden City Experiment station, according to George S. Knapp, the superintendent. This plant is in deep well territory, and the cost of lifting the water is high. Excellent results have been produced in the irrigation of alfalfa and the sorghums. Data on this work for several years is available, and Mr. Knapp invited the members of the congress, and others, to ask for these results on crops in which they were interested. Mr. Knapp was a government engineer on the pumping irrigation investigations before he became the superintendent at Garden City.

Jake Was There.

J. C. Mohler of Topeka, secretary of the state board of agriculture, gave an address on the progress made by the irrigation of alfalfa in Kansas. He showed that this legume has been very satisfactory as either a dry land or irrigated crop. He believes that irrigation will be developed rapidly.

The congress passed a resolution asking the next legislature to appropriate money for the purchase of new pumping equipment for the Garden City Experiment station.

The officers elected for the coming year are J. W. Lough, Scott City, president; E. J. Guilbert, Wallace, vice president; and H. B. Walker, Manhattan, secretary. The meeting next year will be held at Scott City.

Engine "WHY?" Book.

One of the cleverest little books on engines that has ever been published, has just been printed by Mr. Ed. H. Witte, a Kansas City engine expert. He says that while the supply of books lasts, he will be glad to send anyone who is interested a copy of this book, which is called "Why?" Just write "Why" with your name and address on a postal or scrap of paper and address Mr. Witte, 154-S Oakland Ave., Kansas City, Mo.—Advertisement.



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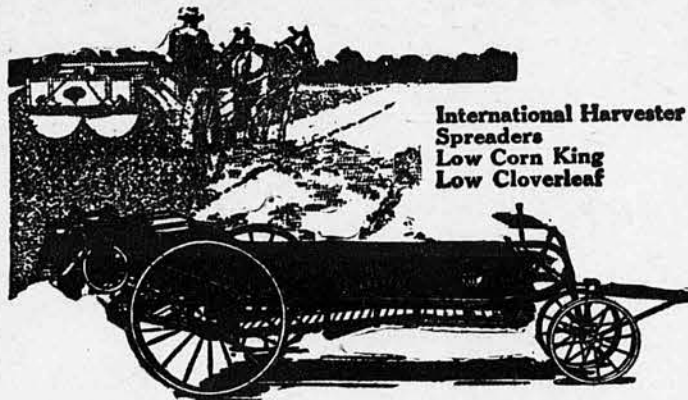
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A Musical Parson Proved that Youngsters Liked Orchestras

BY TOM BLACKBURN

IT WAS Mr. Kirk's musical ability that kept the young folks going to church. Many of us had arrived at a callow age when girls and moving pictures were of much greater interest than church, with the result that the youthful congregation of the Baptist church of Blackstone was dwindling rapidly. We were drifting away from the church when the new pastor, Mr. Kirk, arrived.

The new preacher could fairly blow the bell off of a baritone saxophone and most of us thought he was a better musician than a preacher. He became chummy with Mr. Golladay, who was a violinist. One morning in his church announcements, the preacher made a call for volunteers for a church orchestra. Not a boy could even blow a horn but the idea of playing on a shiny instrument before a crowd that looked on admiringly, struck everyone. I preferred a military band, I thought, where every man wore a gorgeous blue and scarlet uniform and marched along to the magic rattle of a snare drum. The rest of the fellows liked that part of it, too.

We had a little meeting at which Mr. Golladay talked about the different instruments and exhibited a catalog. Most of the girls chose violins. "Bugs" Hapgood decided on a trombone because he didn't like the way a cornet player's cheeks puffed out when playing. "Red" Simmons admired the clarinet, and I chose the traps because everyone watches the snare drummer as he beats out the lilting, rattling accompaniment. We tried to dissuade "Rooky" Wood from ever getting a flute, on account of the silly face a flutist has to make to blow his instrument. He was obdurate and insisted that he intended later to change

entrance to the orchestra at once, but as we had a fair start and were working well together, Mr. Golladay did not care to have to begin all over again. The Rev. Kirk decided to organize a junior orchestra of 25 pieces.

Several members rapidly became adept with their instruments and we could begin with a flourish and play clear thru the music without a hitch. Little church music was used, the members preferring military marches, waltzes, and overtures. We made our first "professional" appearance at the high school class play. I never shall forget how important we felt filing into the orchestra pit and awaiting the signal. The footlights flashed, and with a crash of drums we started out on the "Warrior Bold." "Bugs" Hapgood thundered out his slippery trombone notes while his parents and brothers sat back and admired their son. "Kat" O'Conner, the little girl playing the piano, drummed her time with professional nonchalance and girls put on as much bravado as the boys. We accompanied the singers so loudly and enthusiastically that their voices formed a small part of the music.

The orchestra made several trips and the members were guests everywhere they went. At the banquets we dined later but always had as much to eat as the other guests. It was a joy to the heart to be welcomed by everybody, as a musical organization is.

The novice musicians developed into good players in time. Some of us got into band work and played for fairs at pay rates. No one regretted taking up the work and every practice night was a party in our minds.

The Blackstone Baptist church had little trouble with juvenile attendance



to a piccolo, the shrillest and loudest band instrument. We knew nothing about music and selected our instruments from the relative "grandstand" value. The orchestra had 15 members practicing in a couple of weeks and was fairly well balanced despite the absence of cello or bass viol, which no one would consider.

The first meeting with our new instruments was a marvelous gathering of throaty, hoarse bleats and squawks, few members could hit any note with accuracy altho the fingering of every instrument was known to the clumsy fingers of its owner. In a few weeks we could run the scale together fairly well and chord a little.

Things went on until the orchestra started on the Zenda waltzes which every novice plays sometime. A profusion of "goose" notes desecrated every attempt, but gradually diminished until they became an exception instead of the rule. Following orchestra practice, music was gathered up, the church lights shut off, and we adjourned to an ice cream parlor for refreshments. There were just enough girls to go around.

The first performance took place at church. The organization filed proudly into position and after many attempts to get into tune, began on "Onward Christian Soldiers." I realize now that Mr. Kirk's intentionally ponderous saxophone tones and Mr. Golladay's loud playing drowned many of the "breaks," but as a whole the piece sounded fairly well and gave me a chance to crash out a tattoo on the drums. We played three selections that morning and did well, to the surprise and delight of the youngsters in the congregation.

Many new enthusiasts applied for

after the two orchestras started. We went because we had work to do at church and felt that it would not be complete without us. The Rev. Kirk assisted us in that conceit and it became an exception for anyone to miss church.

Mr. Golladay's departure from Blackstone and a call that took Rev. Kirk away were the causes of the orchestras' breaking up. A few attempts to play were made after they left, but with the leader gone it was disheartening. We needed a good musician to hold the organizations together. One man, we found out, supplied the fire, leadership, and direction for the entire thing.

Attendance at the church fell off to its former status, because there was nothing up-to-the-minute to attract the young folks and hold their interests in church work. We have scattered over the state since those days and I found out later that the pastor owed much of his success everywhere to his remarkable musical ability.

The rise and fall of the Blackstone orchestra illustrates what is possible in country churches.

Currants and gooseberries produce fruit on the wood that is 2 and 3 years old. Raspberries, blackberries and dewberries produce their fruit on wood of the previous year's growth and the old canes should be discarded at once.

It is entirely possible, but not commercially profitable, to continue the same strawberry bed indefinitely. Two to three crops will be the limit of profitable production under the average management and conditions.

It is better to be run down by a chauffeur than by an evil tongue.

When Friends Get Together

Shelter for Horses on Grange Meeting Days

BY HARLEY HATCH

THE MEN of this neighborhood are to meet today at the school grounds and put up a shed for the teams that are driven to school and Grange. It is to be large enough to hold six teams and the material cost will be about \$50. The work is all to be donated and this noon the women are to serve dinner. Those who have eaten dinners served by Kansas women on such public occasions will, I know, envy those of us who will eat it. The road has been graded up in front of the schoolhouse and this leaves a ditch about 18 inches deep. This is to be bridged today and we had figured on making walks where needed but the cinders of which they were to be made are not yet cool enough to haul. These cinders are to come from the oil well which is being sunk west of here but we will have to wait perhaps 30 days before they cool enough to put in a wagon box.

The school has been equipped lately with a swinging globe of the latest pattern; a bookcase which we hope to have filled soon, and a jacketed furnace which we trust will provide heat and ventilation during the variable weather of winter. Yes, you have guessed it! We are trying to make our school standard, and expect before winter is over to measure up to all requirements. Our teacher is the same one we had last year; he gave such good satisfaction that the board hired him for this year at a salary of \$70 a month. He has 42 pupils enrolled which makes this district, so far as I know, the largest in attendance of any country school in the county.

A letter from a friend at Haddam, Kan., informs me that from one acre of English bluegrass he threshed this year 25 bushels of seed. If this seed was fairly clean when it came from the machine it makes, so far as I have ever heard, a record yield. A number of fields in this locality have at different times made 20 bushels to the acre but this is the best yield I had heard of prior to the one reported from Haddam. I judge, however, that the seed was not threshed very cleanly for the owner writes that he is going to re-clean it before selling. He says that the man who wishes to buy it wants to dock him 15 per cent even after it has been re-cleaned and he wants to know what that 15 per cent shrink is for.

English bluegrass seed is sold in this part of Kansas on a basis of clean seed. It is sold usually right from the machine because it will be tested anyway, so nothing is gained by running it thru a fanning mill. There is no regular shrinkage of 15 per cent such as is to be taken in the case of our friend. If the seed has been run thru a fanning mill the test should not be more than 2 to 3 per cent and this will be mostly light seed which their testing mills blow out. This seed, when sold, is always sacked. The buyer takes from a number of sacks in different parts of the load enough seed to make 20 pounds. This is then put thru their fanning mill, and they are not afraid to put on the wind, and what is taken out is then compared with what clean seed is left. One pound of dirt or light seed is equal to 5 per cent test. This is the reason they take just 20 pounds of seed to test; the per cent figures up so easily. English bluegrass seed right from the threshing machine will test from 5 to 25 per cent but if a good job has been done the test seldom runs over 10 per cent. If 15 per cent test is taken from our friend's seed after he has cleaned it in a fanning mill it is a clear case of robbery.

After the alfalfa was cut for seed the stubble stood dry and brown for a number of days and we began to wonder if it would start a green growth again this fall. Then came the rain and now both fields are a beautiful color. They are, and will remain, the best looking fields on the farm until freezing weather comes. It now begins to look as if we might have to put up another crop of hay in October. If the weather remains warm I think there will be crop enough to pay for mowing.

In this climate and on this soil it is best always to clear off any growth of

alfalfa or clover there may be before cold weather sets in. Ordinarily one would think that a medium growth would provide protection during the winter, but here it is better for the fields to be clean. A growth of any kind seems to smother the alfalfa or clover. This is because our winters usually are wet instead of being intensely cold as in Northern sections.

The men who are to thresh our alfalfa have a common grain separator equipped with a re-cleaner and when we saw them threshing Sweet clover the other day they were hulling practically every seed and it could be sold as clean, hulled seed right from the machine. It is not often that Sweet clover can be hulled in this way by a common grain separator but the clover was bone dry and seemed to let loose from the hull easily. We had intended to have a clover huller thresh the alfalfa seed but the owner informed us that his machine was not equipped to handle bound alfalfa. I suppose his feeder did not have band cutters. Of course, we could have cut the bands in the old way by hand, but as we had seen the threshers at work on Sweet clover we thought we might just as well have them as the huller.

We have started manure hauling, cleaned up around the barn and have started in the cattle yard. There is not so much to haul this fall as usual because we got out more than common last spring. What we do have is all going on the alfalfa and I wish we had enough to cover the entire 18 acres with a heavy coat. There is nothing which holds the stand of alfalfa on our upland like manure. Instead of encouraging the growth of grass as one might think, it pushes along the alfalfa so well that the grass can get no start. A strip which was manured thru one field two years ago can be seen plainly 80 rods away. I believe if one is to hold a stand of alfalfa on our uplands he must top-dress with manure, and keep off all stock. Pasturing has killed as much upland alfalfa here as any extremes of weather.

We put in two days this week stacking corn fodder. This fodder had been cut early and put up in small shocks so that it would cure quickly. The weather, after cutting, was dry and in three weeks the fodder was dry enough to stack. We stacked this because we thought the sooner it was in out of the weather the better and because we wished to list out the ground this fall. The ground at this writing is too dry to list easily but we hope for rain soon so we can get it listed while the grass growth is still green. There did not seem to be much on the ground when we cut the corn but after it was taken off and a rain came the crabgrass ran up to head; if we can get this turned under while it is still green I think most of it will rot. If it stands until the stalks get brown the seed will grow even if turned under for the winter.

Because of the lack of rain during the summer the apples on most upland orchards are small. On the Neosho bottoms, however, they are a good size and quality. We heard this week of an orchard on the Neosho River where both Delicious and Grimes Golden apples were for sale, and as those are the apples we like best of all we made a bee line for that orchard the next morning. This particular orchard lies right on the river bank and so has deep, moist soil. In addition it had been well sprayed and as a result the trees were loaded with large, fine colored fruit. We secured a good supply of Delicious apples picked from the tree for \$1 a bushel and thought them well worth the money. Delicious is a comparatively new variety. There are but few bearing trees of the kind in this part of the state. It ripens about with Jonathan and has a flavor all its own. It has always seemed to me that the man who named it knew what he was doing.

No amount of care can fully restore the calf that gets the scours from drinking from unclean vessels.

Co-operation in buying and selling is essential to the economical distribution of products.



When Nature Turns Outlaw

"Blow, winds, and crack your cheeks! rage! blow!—
You cataraacts and hurricanoes, spout"

Thus King Lear, in Shakespeare's tragedy, defies the elements. But man, even today, cannot challenge nature with impunity.

The unsinkable ship goes down like a rock from the impact of an iceberg. The fireproof building is burned. The monument, built for unborn generations, is riven by lightning or shaken down by an earthquake.

There are storms which make train service impossible, which delay the mails and which close the public highways to the usual traffic. Even in the cities there are times when the street cars do not run, and neither automobiles nor horse-drawn vehicles can be driven through floods or high-piled snowdrifts.

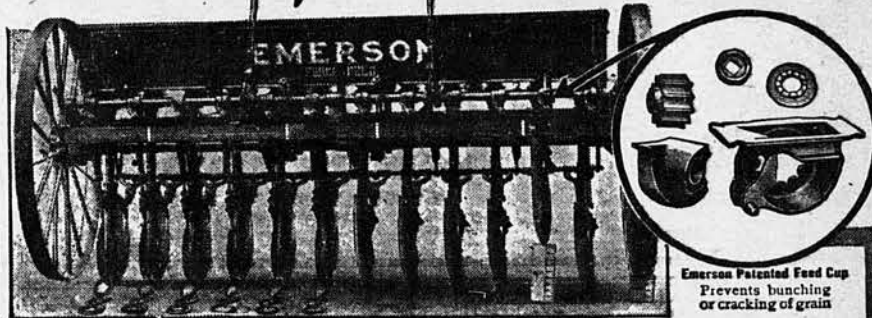
Such conditions increase the dependence on telephone wires, which themselves are not exempt from the same natural hazards. Fortunately, however, the Bell System has faced these dangers and well-nigh overcome them. Masses of wires are buried underground and lonely pole lines, even the most stoutly built, are practically paralleled by other lines to which their business can be transferred.

Each year the lines are stronger and the guardians of the wires are prepared to make repairs more quickly. So each year increasing millions of subscribers find their telephones more dependable and, within the limits of human power, they count upon their use in storm as well as in fair weather.



AMERICAN TELEPHONE AND TELEGRAPH COMPANY
AND ASSOCIATED COMPANIES
One Policy One System Universal Service

Uniform Depth--Even Germination



Notice the dart pointing to the Emerson Patented Feed Cup. With this feature bunching or cracking of grain is prevented. With the E-B Patented Extension Spring no more pressure is exerted whether the disc is elevated one inch or one foot, grain is therefore planted at an absolutely uniform depth. This means better crops. E-B Patented Closed Delivery Opener deposits the grain in the bottom of the furrow. One customer saved price of drill in seed saved on 320 acres by reason of even depth, planting all seed in bottom of furrow.

Thomas S. Moore, Jetmore, Kansas, says—"Having drilled 250 acres of wheat with E-B Drill Closed Delivery Opener most satisfactory drill I ever used. Light draft, easy to handle. After seeding 100 acres I found no dirt in the bearings and got a better stand of grain than with other makes."

Emerson-Brantingham Implement Co. (Inc.) 395 W. Iron St., Rockford, Ill.

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Better Cake and Biscuits

In all recipes calling for baking powder you will get better and finer food and insure its healthfulness by using baking powder made from cream of tartar, such as Royal or Dr. Price's.

Cream of tartar is derived from grapes—a natural food, as contrasted with phosphate or alum, derived from mineral sources, and used because of their cheapness in the manufacture of some baking powders.

Housewives are sometimes led to use inferior baking powders because of apparent lower cost, but there is little difference in cost in practical use—about one cent for a whole cake or pan of biscuits, which is very little when you consider the difference in quality and healthfulness.

Bid good-bye to household drudgery



Keep a can of Lewis' Lye on hand at all times. You'll need it dozens of times every day. It cuts household drudgery in half. And it is pure. It is just the right strength. It is reliable—proved so for over a half a century. And it costs no more than inferior brands.

LEWIS' LYE

The Standard For More Than Half a Century

Use it for washing clothes. It makes rain water out of well water. That, alone, saves half the rubbing. And it will not injure the daintiest fabrics.

Use it for dishwashing—for scouring pots, pans and kettles. It dissolves grease in an instant.

You'll be delighted at the way it polishes and renovates floors, wood-work, tile and sinks. And such sparkling glassware! For making soap—for keeping drain-pipes clean—as a disinfectant in closets—for spraying trees—for cleaning milk cans—for use around barns and stables—for hundreds and hundreds of household purposes, Lewis' Lye will save you hours of drudgery. You simply can't do without it. Get your can today.

Send a postal for Free Book describing its many efficient and economical uses. Also Mrs. Robinson's recipe for making soaps.

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STEREOSCOPE AND 25 WAR VIEWS FREE

No home is complete without a stereoscope. War pictures seen thru this wonderful instrument appear real. Instead of looking at a photograph you look at the scene exactly as it is, only it seems to be a long distance from you. The views we send you will be your choice of either 25 Franco-British views or 25 German war views. **Special Free Offer** Simply send us your name and address and we will mail you detailed description of Stereoscope and a list of titles of the great War Views and we will explain fully how you can receive the complete outfit Free and postpaid. **Capper Stereoscope Club, Dept. 6, Topeka, Kansas**

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The name of any state on Pillow and State Flower tinted in colors on Art Cloth, size 17x21 inches. **FREE OFFER.** Send name of State wanted with \$1c for one year's subscription to Household Magazine and receive Pillow Top and complete course in embroidery Free. **HOUSEHOLD, DEPT. P. T. 14, TOPEKA, KANSAS**

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that's the cost per year on basis of service. They last 20 to 25 years. Average cost \$13. Save labor, time, horses, roads, money. Put a set on your wagon at our risk. Write for catalog and prices. **Empire Mfg. Co., Box 975, Quincy, Ill.**

Your New Maid of All Work

Almost Every Household Task Can be Performed by Electricity

BY MARY CATHERINE WILLIAMS

ELECTRICITY is the new servant girl of the modern household and unlike the old-time maid of all work, this new helper is as contented in farm homes as in town. She does not sulk and scold when the washing is extra large or leave in a huff the morning company is expected, either. Now that a complete electric plant may be installed in farm homes for as low a cost as \$300, farm women are learning the advantages of many kinds of electrical labor-saving devices. The first cost of these electrical contrivances seems high, but when they are made by a reliable company they last for years. The expense of operating is usually much less with a home lighting plant than in the city, and may be reduced to almost nothing by charging the batteries while the gasoline engine is doing other work.



Electricity Runs the Sewing Machine.

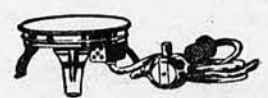
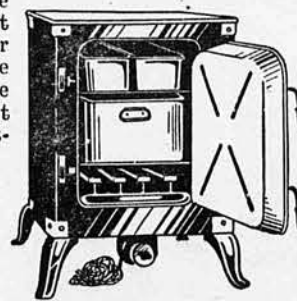
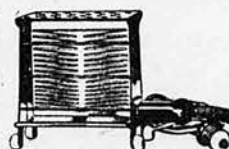
Washing machines should be placed first in the list of electrical labor savers. The average price is about \$60. A machine with a wringer costs from \$85 to \$105. It may be attached to any light socket and requires so little watching the housewife can do all her morning's work, read the paper, or get dinner while her clothes are being washed. The work is better and more quickly done than by hand power and the old fatigue and backache are done away with entirely. Three dollars will buy a standard make electric iron which may be used in any room in the house. The heat is regulated for heavy or light fabrics by turning the current on or off. No time or strength is wasted going back and forth to the stove for a hot iron, the handle is always cool, and the worker does not become overheated.

The annual nightmare of housecleaning is almost unknown where an electric vacuum cleaner is used every week. The labor of guiding the cleaner over the floor is far less than in sweeping and the rugs are left a great deal cleaner. The average price of a good vacuum cleaner is \$30. A set of attachments for cleaning walls, furniture and draperies costs \$7 or \$8 more.

Cooking probably all will be done by electricity before many years, tho at present electric ranges are practicable only where the electric current may be had at very low rates. Electricity is the cleanest fuel known and the easiest to regulate. An electric fireless cooker that roasts, bakes, boils, stews and steams and will cook a complete meal for a small family at one operation can be bought for \$30. When the cooking reaches a certain stage the current is turned off automatically and the process finished as in any fireless cooker.

A Stove for the Dining Table.

Smaller cooking devices that may be used at the dining table are rapidly growing in favor and prove a great convenience for small families or in large families where some of the members have irregular meal hours. An electric grill or a disk stove is probably the best for the average family as it can be put to the most uses. A teapot, kettle or frying pan may be set on the flat surface, or bread may be toasted on it. The cost ranges from \$4 to \$6 for stoves with one heat. The same device with three degrees of heat costs about \$2.50 more. A rack toast-



Three Types of Electric Stoves: Toaster, Fireless Cooker Oven and Disk Stove. The Smaller Ones may be Used on the Dining Table.

er that toasts several slices of bread while the coffee pot is kept hot on top ranges from \$3.50 to \$5. There are also electric percolators, teapots, chafing dishes and even a device for warming the baby's bottle of milk.

Many women have found that running a sewing machine is injurious to their health. An electric motor which costs \$15 may be attached to any machine and regulated for various speeds by pressing on the foot pedal.

Guiding the cloth under the needle is the only work the home dressmaker needs to do. The motor is detached easily when the machine is not in use and put out of the way.

The demand for electric fans in farm homes with a lighting plant is increasing steadily. The fan is almost a necessity when there is sickness in the summer time. Another comfort greatly appreciated in illness is the electric heating pad which comes with a felt or rubbercloth cover for from \$4.50 to \$6.50 and may be used for all purposes to which a hot-water bottle is put. While an electric curling iron is not a necessity, it is certainly a convenience, and costs only \$3. The list of things about a home that can be done electrically seems almost endless, and women who are wise will plan to save their strength and their health by using this new servant as much as possible.

Who Has this Recipe?

Will the readers of the Farmers Mail and Breeze please give me a reliable recipe for corned beef? I would like for someone who has canned beef in glass jars to tell me whether it retains its flavor. Can steak be fried and packed in glass jars as we put away ham? Any information will be greatly appreciated. **Mrs. C. F. Barth, Allen Co., Kansas.**

Green Tomato Mincemeat

Chop green tomatoes fine or force them thru the food grinder, then drain off the juice. There should be 4 quarts after the tomatoes are chopped. Cover them with cold water, bring to the boiling point and scald for 30 minutes, then drain. Add 4 cups of brown sugar, 1 pound of seeded raisins, 1 pound of currants, 1/2 pound of sliced citron, 12 chopped apples, 1 cup of suet, 1 heaping teaspoon each of cloves, cinnamon and nutmeg, 1 tablespoon of salt and 1/2 cup of vinegar. Mix well and cook slowly until the mincemeat is thick, stirring to prevent burning. Keep the mincemeat in a stone jar with a clean cloth over the top to shut out dust.

Mrs. Edna Vawter, Logan Co., Kansas.

Dried Pumpkin

When you cook a pumpkin and do not care to use all of it, spread the part left over on old plates or pans and set it in the oven to dry. The pumpkin should be about half an inch thick. If the oven is hot leave the door open a little. Loosen the pumpkin from the plate with a knife when the water is nearly evaporated or it will be difficult to get off the plates. This pumpkin keeps perfectly and makes rich pies. It should be soaked in milk or water before using. When I am in a hurry I put the required quantity in a gran-

its kettle, pour boiling water over it and it will cook soft in a few minutes.
Shawnee Co., Kansas. Mrs. E. W.

A Dress with Pockets

A pretty dress for little girls is shown in the picture. Smocking trims the yoke and the pockets. The pattern is cut in



sizes 1, 3 and 5 years. It may be ordered from the Pattern Department of the Farmers Mail and Breeze, Topeka, Kan. Price 10 cents.

It's Apple Talk Now

BY MRS. DORA L. THOMPSON
Jefferson County

We are picking and sorting apples—Jonathans and a few Grimes Golden. When we get absorbed in this work we are much like the man who was so fond of apple dumplings he talked about them constantly. A neighbor who knew his failing offered to bet that no one could speak 5 minutes with the dumpling eater and successfully avoid all mention of the favored delicacy. The wager was taken and the plotters started out to find their victim. He was chopping wood as they came up. "That's a fine broad axe you have," was the start. "Yes, I wish I had all the dumplings I could cut with it," came the reply, and the stakeholder emptied his hands.

We experimented with cans of baked apples last year and found them so much better than the stewed fruit there was no comparison. This season we are baking all that we can. We wash the whole apples, then quarter them and remove the cores. We pour two or three layers of the quartered apples in a jar or crock, sprinkle liberally with sugar and add more apples and sugar until the container is well filled. We half fill the crock with water, cover well and bake slowly for 2 or 3 hours. When we have thoroly scalded the glass cans and lids we place the rubbers in position and carefully put the baked apples in the can. There should be sufficient sirup to cover the apples. This method has two advantages. It is much less work than paring apples and stewing them and the product is far superior to the stewed fruit.

We had a "hankering" to try the old fashioned way of baking apples for breakfast. Our mothers used to punch out the core of the apple with a tin tube or cover, fill the cavity with sugar and butter and bake. The old fashioned cover seems to have been displaced by one resembling a scoop. The 10-cent article showed us had a slit in the scoop to use in paring, a sharp point for removing eyes of potatoes or bad parts of an apple and an attachment for slicing. We had little faith in the yarns the clerk told of what could be done with the tool. But, as we believe the theory that a closed mind is the first indication of approaching old age, we decided to try the scoop and to our surprise, found it much handier than the old tin tube. The best part of the mechanism, however, is the paring knife or slit in the cover. With it, one can make a transparent paring with no effort. The parings from half a peck of potatoes could be held on one hand. This is no small point in the tool's favor since the price of potatoes has soared.

This is the time to buy bulbs. Daffodils, hyacinths and tulips may all be planted in October and few plants are

better for house flowers in winter or spring. We like to plant these bulbs in moist soil and put them in the cellar until about a month before we wish them to blossom. A window box of these flowers is a fine ornament for a school room and much more to our fancy for home than a great collection of all sorts of flowers. The hardy qualities of these plants make them easily cared for. We expect the children to get a great deal of pleasure in watching the daffodils' rapid growth and development.

Send in Your Crochet Patterns

It is not too early to be thinking of Christmas presents if you are the kind of woman who likes to give her friends a gift of her own making. Crocheting is still the popular form of fancy work and a crochet trimmed guest towel, bath towel, centerpiece, tray cloth, doily, handkerchief, breakfast cap or dresser scarf couldn't fail to please the woman who finds it in her Christmas stocking. If you have a pretty new crochet design, send it in to the Woman's page so we can all have a chance to use it. There must be complete directions and enough of a sample to show the pattern. If you prefer to send the article itself and inclose postage, it will be returned to you in good condition. For the prettiest pattern with directions received before October 20 a prize of \$1 in cash will be given. A book of new crochet and tatting patterns will be given for each of the next ten. Address your letters to the Woman's Page of the Farmers Mail and Breeze, Topeka, Kan.

Never a Day

There's never a day goes by, dear,
But it brings at the set of sun,
A sense of peace and of joy, dear,
For all that the Father has done.
There's never a day that's dark, dear,
For each night I can truly say,
"There's one strong heart that has loved me,
And will love me all the way."
There's never a day that's sad, dear,
For at night when the shadows fall,
I thank God He gave me you, dear,
For in you He has given me all.
—Carrie L. Burton.

For the Dinner Pail

This recipe makes delicious ginger cookies. Two cups of sugar, 1 cup of sorghum molasses, 1 cup of cream either sweet or sour, 1 cup of shortening, 1 egg, teaspoon of soda and 1 teaspoon of baking powder, a pinch of salt, 1 teaspoon of ginger and flour enough to make a soft dough. Roll thin and bake in a hot oven. Mrs. W. S. Jewell Co., Kansas.

Buckwheat Removes Grease

Oil or grease spots may be removed from carpets or clothing by rubbing into the spot as much buckwheat flour as it will take, being careful to cover the place entirely. This will not injure even the most delicate fabrics and has been known to remove a cupful of oil from a carpet without leaving a trace. R. H. G. Jackson Co., Missouri.

Grated Irish potato on a burn is both soothing and healing.

"NO TROUBLE"

To Change from Coffee to Postum.

"Postum has done a world of good for me," writes an Ills. man.
"I had indigestion nearly all my life, but never dreamed coffee was the cause of my trouble."
"It irritated my stomach and nerves, yet I was just crazy for it. I got so I was in misery all the time."
"A friend advised me to quit coffee and use Postum—said it helped him. Since taking his advice I retain my food and get all the good out of it, and don't have those awful hungry spells."
"I changed from coffee to Postum without any trouble whatever, felt better from the first day I drank it. I am well now and give credit to Postum." Name given by Postum Co., Battle Creek, Mich.

Postum comes in two forms:
Postum Cereal—the original form—must be well boiled. 15c and 25c pkgs.
Instant Postum—a soluble powder—dissolves quickly in a cup of hot water, and, with cream and sugar, makes a delicious beverage instantly. 30c and 50c tins.

Both forms are equally delicious and cost about the same per cup.

"There's a Reason" for Postum.

—sold by Grocers.



"How's That for a Minute's Work?"

You who live on a farm or in a small town can serve the same delicious desserts (like the one above) that have lately become so popular in the best city homes, for Jell-O, from which these desserts are made, is now sold by grocers and general store-keepers everywhere. You can get it where you trade, and get it for 10 cents.

JELL-O

doesn't have to be cooked, and only boiling water is added to the powder from the 10-cent package of Jell-O to make a perfect Jell-O dessert. Both time and money are saved, and the dessert is delicious and beautiful as a gem.

Jell-O is made in these seven different pure fruit flavors: Strawberry, Raspberry, Lemon, Orange, Cherry, Peach, Chocolate. Each 10 cents at any grocer's or any general store.

In every package there is a little folder with pictures and recipes and full instructions for making up Jell-O in the popular forms that are all the fashion now.

A beautiful new Jell-O Book telling of a young bride's housekeeping experiences has just been issued. It has splendid pictures in colors and will interest every woman. It will be sent to you free if you will send us your name and address.

10¢
a package

THE GENESEE PURE FOOD COMPANY
Le Roy, N. Y., and Bridgeburg, Ont.

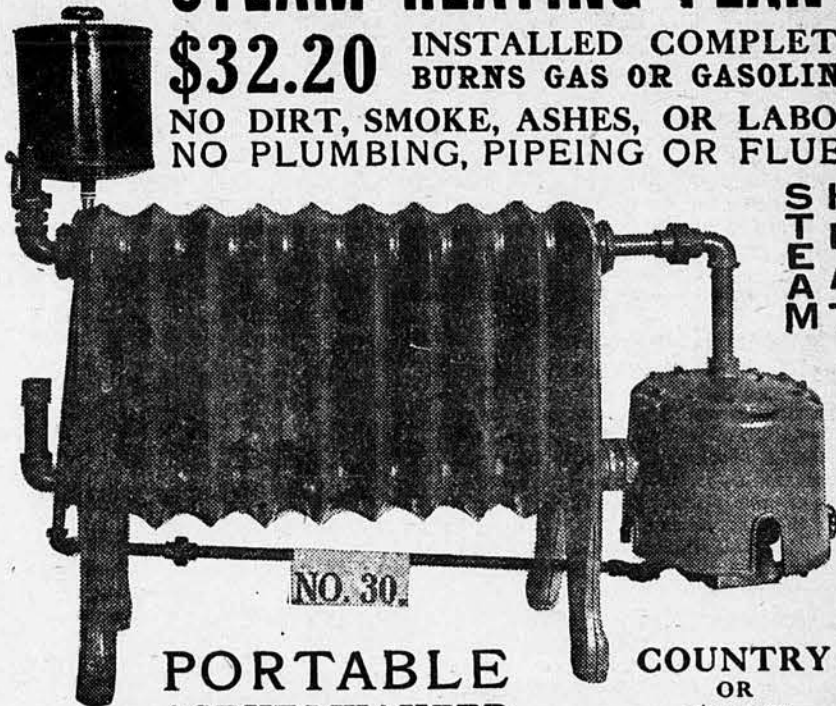
The name Jell-O is on every package in big red letters. If it isn't there it isn't Jell-O.



THIS STEAM HEATING PLANT

\$32.20 INSTALLED COMPLETE
BURNS GAS OR GASOLINE

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If you live in the country or town under 10,000, you can become the owner of this new 1917 Overland without cost, as a reward for a few weeks' spare time work in your own community. Write today. G. F. ALDRICH, Mgr. St. Paul, Minn.



Juvenile Bracelet

FREE This bracelet is a pretty little novelty made to many size wrist. The imitation watch looks like gold plated case. The face is pure white porcelain with the hands and figures in black. A good imitation of a genuine watch. To introduce our publication into homes where Free Offer: It is not now received we will send one Juvenile Bracelet free to all who send 10 cents to pay for a new three months' subscription to Missouri Valley Farmer. If you are already a subscriber you can send 10 cents to have the paper sent to a friend and we will send bracelet to you. Address Missouri Valley Farmer, Dept. I. W. 6, Topeka, Kansas

The Good Old Summer Time

Vacation Days Were Happy Ones and Our Young Readers Wrote Some Interesting Letters about Their Experiences

MY best time this summer was one day when a friend and I went fishing. We soon arrived at our favorite place, set our dinner on the high bank and slid down the bank a few feet where we braced ourselves on some rock. My friend, thinking he had a fish, landed his hook on the bank above and jerked the dinner down with it into the water. We had better luck after that and caught several large fish. We cooked two of these by putting them on sticks and holding them over the blazing fire.

We began to wonder after a while where we were going to get our dinner but we did not have long to worry for just then it began to pour down rain. We ran to the bridge, but it was not long until the creek rose so high that we were forced to move again. This time we went to a farm a short distance away and got into a buggy shed. We were dripping wet and very cold, but we found some gunny sacks and wrapped them around us.

Pretty soon the rain stopped and the sun came out and we took off our shoes and started for home. As we went out of the driveway we noticed that the tree which was supporting the mail box had been struck by lightning and was split from top to bottom. We followed a small ditch which was full of water and we waded and sometimes swam in it, letting our poles float down stream by the swift current. Altho we were dripping wet when we reached home, we thought we had had a very good time and after eating a hearty supper we felt as good as ever.

Benton, Kan. James Doty.

A Potato Picnic.

The most fun I had this summer was one day when two friends and myself took a basket of potatoes and tomatoes and other things and went to the timber. We built a fire and cooked our dinner and had lots of fun. We decorated our table prettily with flowers. After dinner we gathered our things up and played in the timber. On our way home we stopped in an old apple and plum orchard and got some apples.

Boicourt, Kan. Flossie Reynolds.

Fishing is Great Sport.

My sister and I went on a fishing trip about a month ago. On the way we got into a patch of sand burs and had a good time picking them from our dresses and stockings. We saw large fish and turtles in the pond and caught several of the fish. We stopped at a friend's house on the way home and had all the watermelon and muskmelon we could eat.

Supply, Okla.

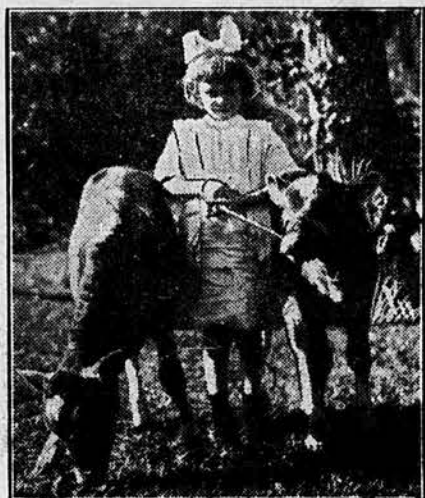
On a Colorado Ranch.

The most enjoyable time I had this summer was on a ranch in Colorado. It was heading time among the ranchers when we arrived and we spent a good deal of time going from one place to another watching the men. We rode 4 or 5 miles over the prairies every night on horseback after the cattle. We went to the mountains on the Fourth of July and climbed Pike's Peak. We gathered many beautiful rocks and flowers while we were there.

Ottawa, Kan. Olga Anderson.

Good Times at Kansas City.

I enjoyed my trip to Kansas City this summer. My uncle took me to the fire department first to see the fire engines and horses. I saw the big auto truck, which carries the ladders and was much interested in everything. On the afternoon of the next day we went to the zoo and saw the birds and the animals.



Playmates.

I was especially interested in the bears. They had the cinnamon, grizzly, brown and black bears. After we had gone away two of them began to quarrel. My, how they did growl! We stopped at Electric park on our way home. It was getting dark and the lights were lit. It was beautiful. They had a little railroad track that went around the whole park, and a little engine that pulled several small open cars. We went around the track once and it certainly was fun. My uncle took me down town to see some of the big stores. I never saw such big stores before in all my life and I saw many interesting things in them. I shall never forget my trip.

Helen C. McCracken.

Overbrook, Kan.

A Seeing-Topeka Trip.

On our way to Topeka this summer we saw the first capitol building of Kansas, and passed thru Fort Riley, which, at that time looked rather deserted on account of so many of the soldiers being away. We went thru Gage's park and saw several birds and wild animals and a large herd of buffalo and deer. We also went to the dome of the State Capitol which is a large and beautiful building, very different from the old-fashioned first State Capitol. Altho Governor Capper is a very busy man, we had the honor of shaking hands with him.

We saw many old relics of the state in the Memorial hall. We went thru the Capper building and saw how the papers which we receive every week are printed. We saw a large roll of blank paper go into the press, and come out in a large pile of printed and bound papers.

Assaria, Kan. Ruby Peterson.

Where Water is Sold.

We started in an automobile June 1 for Oklahoma. We went to the springs where there was a sanitarium. Five springs came out of the foot of the mountains. They were within a few feet of one another but each contained a different kind of water. People came from miles around to buy it for 10 cents a gallon.

We went up to the top of the mountains and I could see a long distance around. When we were about 5 miles from the mountains it looked as if we were about a half mile away. We found some pretty cactus on top of the mountains and at the foot there were many beautiful wild flowers.

Admire, Kan. Melvin Southwick.

At the Old Swimming Hole.

The best time I had this summer was down at the old swimming hole. An old snag slopes out from the bank to about 7 feet above the water and we all get on the snag, dive off as fast as possible and go to the bottom to see which can bring up the most rocks.

We wished to see how far we could swim one day so two boys got in a boat and another boy and myself swam about a quarter of a mile up the creek.

Freeman Wildrick.

Big Cabin, Okla.

Interesting Sights at St. Joseph.

My brother and I went to St. Joseph this summer. We saw the moving pictures, the merry-go-round, the figure eight and the boat slide. We took our supper to one of the parks one day and saw monkeys, apes, opossums, wolves, guinea pigs, elks, bears and a big buffalo that came from the Yellowstone National park. We saved all of our chicken bones when we ate supper and then took them down to the bear cave. When we held the bones out so the bears could see them they stood up on

their hind feet, then we turned the hose on them and made them walk backward. We went to the city waterworks the next day. There is a large iron tank up on the hill from the engine house that is about 70 feet around and 30 feet high, and there are six large ponds 17 feet deep and all lined with brick. The engine house is down thru the timber by the river and in it is a big wheel 25 feet high.

Pansy M. Shaw.

Farmington, Kan.

A Jolly Class Meeting.

I had a very good time this summer at a class meeting at my teacher's. We played with our dolls while the larger girls played a picture game. Then we had dinner and after that we chose up sides and had a star hunt. The side that lost had to pay a forfeit. Our teacher had slips of paper on which were written the names of the women of the Bible and she pinned a slip on each girl's back. The first girl who guessed what her name was got a prize. Then we went to the grove and had our pictures taken.

Bertha Stussy.

Vesper, Kan.

Ever Hear of a Silo Party?

The most enjoyable time I had this summer was when we helped fill the silo. It rained all forenoon and in the afternoon my teacher, five girl friends, my two sisters, and myself went down to the silo to tramp. We tramped for a while then we began to throw silage and to hold the blower over one another.

We went to the house and ate some pineapple sherbet and then we tramped for the boys while they ate their sherbet. When they came back we jumped on my uncle's wagon and went to the field. Just as we were coming into the gate we struck a rut and I went off backwards. One of the girls saved me from falling headfirst into the mud by grabbing me by the apron and holding me on until uncle could stop the horses and let me climb back.

Ruth Stone.

Saffordville, Kan.

A Motor Trip to Colorado.

The best time I had this summer was a trip to the mountains in our car. We saw Pike's Peak when we were 76 miles from it. We got to Colorado Springs about noon and went to the Garden of the Gods after dinner. All the rocks in the garden are red. When we entered it we went up a hill about 2 miles long and on each side of the road there were great high rocks. One rock was fenced in with small rocks that looked like toadstools. On our way back to the car we passed Table rock and Chinese Temple rock. Table rock looks like a big center table. Chinese Temple rock looks just like the picture of a Chinese temple.

Rydal, Kan. Mary Applegarth.

In Detroit and Canada.

My mother and father and I went to Detroit this summer. Mamma has a brother in Detroit and he has two boys, one 10 years old and the other 16. My uncle has an automobile and we went riding nearly every night. We went to a Sunday school picnic one Friday and another day we went to Windsor, Canada. The people there say that Canada is 50 years behind the United States. Another day we went to Belle Isle, where they keep all kinds of animals.

Glasco, Kan. Rowena Doty.

July in the Country.

My brothers and sisters and myself went out to my aunt's farm one pretty morning in July to spend the day. It wasn't very long until we found a spot that seemed like fairyland. It was a strip of forest with a winding brook thru it. The banks of the stream were covered with grass and bright colored wild flowers. Little birds were singing in the tree tops.

We spent the morning exploring this pretty land and gathering flowers. We spread our lunch under the trees at noon and everyone enjoyed it as we were all hungry. We spent the afternoon taking pictures of one another and they were good. Even the shadows of the trees in the water could be seen distinctly. We returned home about sunset and everyone declared they had spent a very pleasant day.

Lucille Sweeney.

St. Marys, Kan.

These Hunters Were not Brave.

While I was visiting my cousins in Texas this summer we went on a 'coon hunt. We had supper early and then

filled an old bottle with kerosene and put an old piece of gauze in the top for a wick. We lit it for a torch and started out with two of my cousin's hounds. The dogs went ahead and we soon heard them barking near a bunch of small hickory trees. It was getting quite dark and we all wished we were at home. We heard something running toward us and we all started home on the run. We came by the watermelon patch and helped ourselves. None of us had a knife but one of the boys had a string so we used that. We ate all we could and then went home.

Elkhart, Kan. Grace Clutter.

Fun on the Fourth of July.

My Sunday school class went to a small creek not far from my home on July 4. We took our lunch with us and reached the grove about 10 o'clock. After unloading our baskets we waded in the creek for nearly an hour then came back to eat dinner.

After the dishes were cleared away we changed our clothes and went to play in the creek again. There were little fish in the water with gold fins and tails, but we were not quick enough to catch them. We had water fights and I certainly had a delightful time. When we got tired playing in the water we changed our clothes and froze some chocolate ice cream and it tasted very good. We got home about 5 o'clock in the evening and then we met at our Sunday school teacher's home and froze some more ice cream and watched the fireworks. We all agreed that we had had a jolly good Fourth of July.

Corwin, Kan. Erma Pierce.

Swimming at Kansas City.

I went to Kansas City this summer and had the most fun at Lincoln Park learning to swim. When I got into the water I thought it was very cold, but the man told me to get all wet and then I would not be cold. I did as he said and had a good deal of fun splashing in the water. When I started to get out I slipped and went to the bottom. It was great fun.

Hill City, Kan. Wendell Sayers.

Hunting Rabbits.

I had the most fun this summer on August 13, running rabbits at Billy Harding's place. We had five hounds and two little pups and we scared up five rabbits. The old dogs went after the rabbits and the little pups went a little ways and got lost, and how they did cry! They finally got on our track and jumped around and licked our hands and were certainly glad to see us.

McLouth, Kan. Van Nowak.

Here are the Prize Winners.

James Doty, Benton, Kan., won first prize; Ruby Peterson, Assaria, Kan., second; and Pansy M. Shaw, Farmington, Kan., Helen C. McCracken, Overbrook, Kan., Ruth Stone, Saffordville, Kan., Melvin Southwick, Admire, Kan., and Freeman Wildrick, Big Cabin, Okla., won the next five prizes in the vacation letter contest.

What's the Inscription?

On an old miser's tombstone this inscription was found; The learned men were summoned, and soon gathered round. What language it was they could not all agree; But if you are a linguist no doubt you will see.

HEK EPTAL
LHEGO TAND
GOTAL LHECO
ULD

Send in your translation of the inscription to the Puzzle Editor of the Farmers Mail and Breeze, Topeka, Kan., by October 18. A package of postcards for the first five persons sending in correct answers.

Large Trees May Be Transplanted

It has been found by recent experiments that large trees may be transplanted successfully. A hole is blasted by dynamite large enough for the roots of the new tree and the soil is thoroughly broken up for some distance so as to make it easy for the newly transplanted tree to throw out its new roots and feeders.

Put plenty of butter into the cake that you wish to keep for any length of time.

(POLITICAL ADVERTISEMENT)

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Political Issues that Affect the Producer

The Necessity for Preparedness for Peace

WHEN the European war is ended and the conditions which protect American producers even more effectively than a protective tariff have ceased to exist, then will come a crisis in the history of our country. Twenty million women in Europe have gone into occupations formerly reserved almost exclusively for men. An immense army of labor must be provided with work. The military organization in Europe now controls peaceful occupations and this condition will necessarily continue. One combination of countries will not trade with the other combination. Each set will produce stuff to sell. America is the open market. It is a fool's paradise in which we live, if we do not look forward and see this approaching danger.

Manufacturers of products and the producers on the farms of Europe and South America will seek the rich American market and force us down to their level in price, unless we are prepared.

On this issue the two political parties are absolutely and clearly divided.

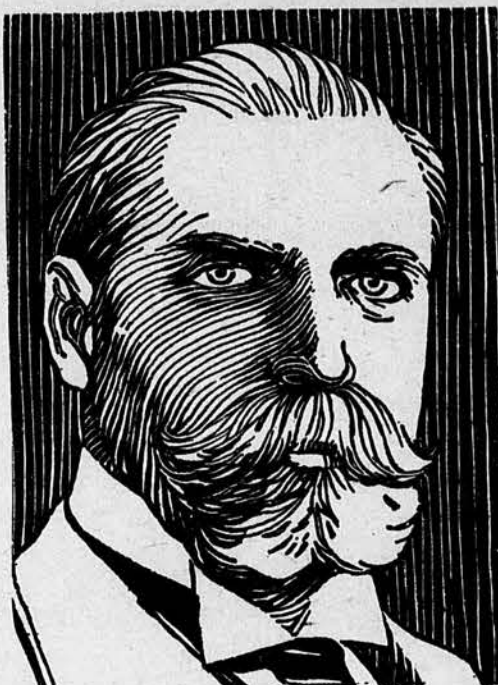
The Republican party stands for the protection of the American producer and the American laboring man, while the Democratic party says there is no need of protection, and the bars should be down for the coming of our competitors.

Government Expenses

The appropriations made by the Democratic congress are at the rate of more than two billion dollars a year.

Appropriations have been increased four-fold since the Democratic critics attacked the Republican administration for the "billion dollar congress."

Preparedness for defense does not constitute a large item in this appropriation. Take away the item for preparedness, and the



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Democratic administration has increased expenses of the Government over the last Republican administration twenty-three per cent a year.

The Democratic administration has also created over thirty thousand more offices and provided numerous boards and commissions, places in which to put Democratic politicians.

On this issue there is a clear division between the two parties.

The Republican party stands for decreased appropriations, doing away with the pork barrel, the establishment of the budget system, and efficient government everywhere.

Mr. Hughes is especially strong on this subject of taxation and expenditures, and his record is such that it commands the confidence of the country. Mr. Wilson's record is made up of extravagance, Pork Barrel, and two billion dollars a year.

Farm Credit Law

Yielding to the demand of the country for a system of farm credits that would enable the owner of a piece of land to secure a loan at a reasonable rate of interest, the last congress passed a measure which in no way meets the desires of the farmer.

It is bound up in red tape, it is

almost impossible to understand, and is made just as unworkable as any law can be made and still retain the form of promise.

Keeping Us Out of War

The Democratic party boasts that President Wilson "kept us out of war." As a matter of fact, the refusal of other countries to antagonize us further has kept us out of war. No nation in Europe could be forced to take a position that would mean hostility from the United States.

Into Mexico, the President has twice sent an army of invasion, the first time for a trifling excuse.

If Mexico had fought back, we would have been in war.

On the other hand, the administration has refused to protect the rights of American citizens and has calmly permitted hundreds of American men to be killed and women outraged.

This is a plain statement of fact, which everyone who knows conditions in Mexico will confirm.

Arbitration

The Republican party stands for the principle of arbitration as the right way to settle disputes. Mr. Hughes has plainly stated that **reason and justice should prevail, not force.** With the object of getting votes at the election this time, the Democratic party, in the Adamson bill, has taken the opposite ground, the only excuse being the political exigency. The Democrats say they prevented the strike by the passage of the Adamson bill. **Unless arbitration is established, the trouble is merely postponed.** They could just as easily have prevented the strike by passing an arbitration law as by surrendering to the demands of one side and placing a burden of increased expense upon the country.

This expense will be borne at the end by the working man and the farmer, for they eventually pay the freight.

Mr. Hughes


The record of Mr. Hughes is such that it appeals to the confidence of the people.

He saved holders of insurance policies millions of dollars and probably prevented eventual bankruptcy of insurance companies.

As Governor of New York, he was fearless and successful in his fight for honest, forward measures.

His position is always clear, his judgment sound and his actions quick.

Against him is a policy which is described by its author as one of "watchful waiting," which is sometimes characterized by the public as "weakly wabbling."



It Pays to Help Your Moulting Hens

Moulting is a weakening process. Hens are out of sorts. It takes all their strength and energy to grow new feathers. Give your hens help. Hurry the weakening, do-nothing period along and get it over quickly as possible, so hens will start laying again.

Dr. Hess Poultry PAN-A-CE-A

Hurries Moulting Along because it conditions and makes hens feel well. It has just the tonic properties chickens need and it is a blood purifier, blood builder. Use it to whet the poor appetites, to help digestion, to increase the vitality and strength.

My Guarantee

So sure am I that Dr. Hess Poultry Pan-a-ce-a will make your poultry healthy, help them through the moult, start your hens and pullets laying, that I have authorized my dealer in your town to supply you with enough for your flock and if it doesn't do as I claim, return the empty packages and get your money back.

Send for free book on poultry

Dr. Hess & Clark, Ashland, O.

Dr. Hess Stock Tonic **Dr. Hess Instant Louse Killer**

Costs 1 Cent a Day for 30 Fowls

1 1/2 lbs., 25c
5 lbs., 60c
12 lbs., \$1.25
25-lb. pail, \$2.50
(except in Canada and the far West)

Dr. Hess Poultry PANACEA

POULTRY HEALTHY HENS LAY GUARANTEED

Stock Tonic Kills lice on poultry and all farm animals. Dust or sprinkle in dust bath, in corners, roosts, etc. Dust in feathers, in hair of animals. Destroys bugs on cucumber vines, cabbage worms, slugs on roses. In handy effing-top cans. 1 lb. 25c; 5 lbs., 60c (except in Canada). Guaranteed.

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common kerosene (coal oil), no odor, smoke or noise, simple, clean, won't explode. Three million people already enjoying this powerful, white, steady light, nearest to sunlight. Won Gold Medal at Panama Exposition. Greatest invention of the age. Guaranteed.

\$1000 Reward will be given to the person who shows us an oil lamp equal to the new Aladdin in every way (details of offer given in our circular). We want one user in each locality to whom we can refer customers. To that person we have a special introductory offer to make, under which one lamp is given free. Write quick for our 10-day Absolutely Free Trial Proposition and learn how to get one free.

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Buff Ducks Came From England

Buff ducks were originated 15 years ago in England by William Cook, famous as the originator of the Orpington chickens.

From the start the Buff ducks became favorites. They are among the greatest layers on earth. In Australia they made their reputation by winning two 12 months' laying competitions in succession against the Indian Runners and numerous pens of other varieties. They fill the demand for a first class table fowl and a first class layer. Their eggs are large, white and fine flavored, but they are scarce and in big demand for hatching.

The birds are very beautiful, both duck and drake being a fawn buff except the head of the drake which is a soft seal brown. They range in weight from 6 to 8 pounds, and are the only heavy weight, heavy laying ducks in existence.

The young are easy to raise, are hardy and grow rapidly. They are good foragers and if given a chance will find the greater part of their own living from such things as worms, bugs, frogs, insects and grass. The farmer who is not raising them is missing a good thing.

My ducks never are sick, and require scarcely any care. They are not troubled with lice, mites, roup, gapes, scaly legs, or frosted combs like chickens. They scratch no garden, need no water to swim in but should have plenty of drinking water. They begin laying in January and from then until August you can count on an egg a day from almost every duck.

They should not be picked until July, as it decreases the fertility of the eggs. They start moulting in July so might as well be picked as they will lose their feathers anyway. I pick my ducks about July 1, August 1, and September 1. The matured ducks are ready to lay in October and will lay right on thru November and part of December until extremely cold weather sets in. These are months when it is difficult to get hens to lay, and egg prices are high.

Buff ducks can be raised with profit on every ranch, farm, town and city lot and I predict that they are the coming duck of this country.

Mrs. Fred Sieglinger.

Lone Wolf, Okla.

These Hens Have to Lay or "Bust"

Birds, of quality and eggs in quantity is my idea of poultry raising. I have purebred Rose Comb Rhode Island Reds. Six years ago I began buying eggs from fanciers who made it a business to build up a laying strain to produce males for my flock of hens that were selected from winter layers. The results are very satisfactory.

We have three henhouses that are draft proof but they have plenty of ventilation. They are provided with dropping boards and are cleaned easily every day thru the winter, and three times a week in the summer. I never keep hens more than two years as they are not so active, and if fed with the younger flock they will become too fat and die. I keep drinking vessels clean by scalding them twice a week. In cold weather I always keep lukewarm water before them and it is surprising how much water they drink. In the morning I feed them 3 gallons warm separated milk and scatter about 3/4 of a bushel of oats in deep litter so they will get a great deal of exercise. About 11 o'clock I scatter 1 gallon small potatoes cut up fine, and at 1 o'clock I give them a warm mash of 5 pounds bran, 3 pounds shorts, a handful of salt and 1 cup of charcoal scraped fine, and 1 teaspoon Venetian Red mixed with warm water to make it crumble. If I can provide them with meat I let them have it about three times a week, and if not I mix 1 quart of beef scraps with the mash three times a week. I give them all the ear corn and kafir they will clean up. Besides these feeds I have a dry mash of 2 parts bran, 1 shorts and a little salt in hoppers before them and plenty of oyster shells and sand.

Baileyville, Kan. Kate Recker.

An increase of practically 1 cent a pound in the price, and 2.33 points in the score, of butter resulted from the use of cream cooling tanks in an experiment conducted by the Indiana Experiment station.

The life of the average one-dollar bill is about six months.

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Do You Know What a Breed Is?

The term "breed" is in such common use that most persons, on invitation, are quick to explain its meaning and even ready to offer an exact definition of the word. For those who take pleasure in formulating terse, concise definitions of common terms the word presents an interesting problem, says Orren Lloyd Jones in the Journal of Heredity. If the person is a scientist, he must especially be on his guard, for it must be remembered that this is a term which arose among breeders of livestock, created, one might say, for their own use, and no one is warranted in assigning to this word a scientific definition and in calling the breeders wrong when they deviate from the formulated definition. It is their word, and the breeders' common usage is what we must accept as the correct definition.

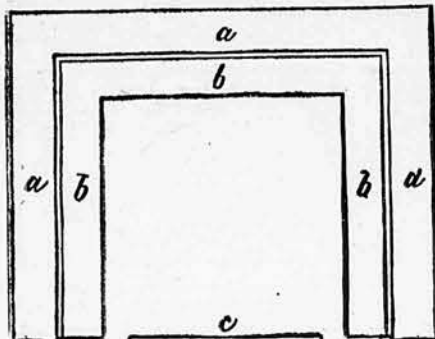
This sounds simple enough, but when we begin a search to discover what the "common usage" is we are dismayed at the varied and loose meanings which the breeders have given to this word.

We find that a great divergence of opinion, as to what a breed may include before it must be subdivided, exists between the breeders of different classes of livestock. For instance, Shorthorn cattle can be any of four colors, and Percheron horses have a choice of half a dozen, but each breed remains a homogeneous unit without subdivisions on the basis of color. With smaller animals the lines are more finely drawn. In case of poultry, for example, the colors are kept separate, as distinguishing features of a strain, under the name of varieties, but several of these varieties are grouped together as a breed. We have white, barred, buff, or partridge varieties of the Plymouth Rock breed, and of Wyandottes I believe there are about a dozen varieties differing from each other in color, pattern, feathering, or comb shape.

Best Way to Cure Broomcorn

(Continued from Page 8.)

ches apart from center to center, thus leaving spaces between them 4 inches wide. Movable laths are placed upon these strips to hold the brush; these are 3 feet long, thus reaching across one bent. The laying of the brush is begun at the middle of the stall, and as one tier of laths is covered, another is placed and covered, the last brush being put in

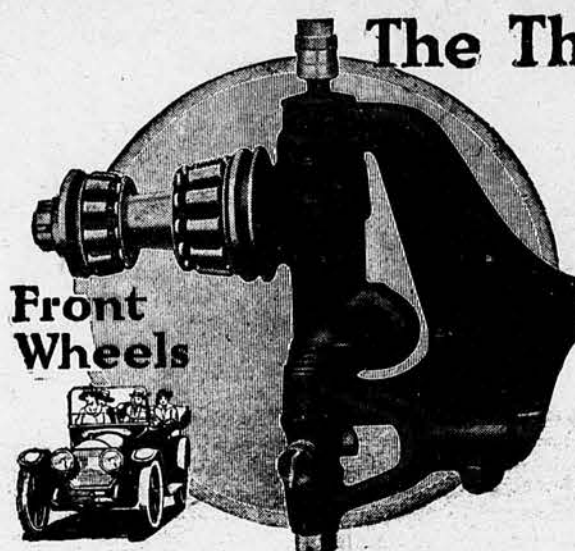


Plan of Sorting-house.

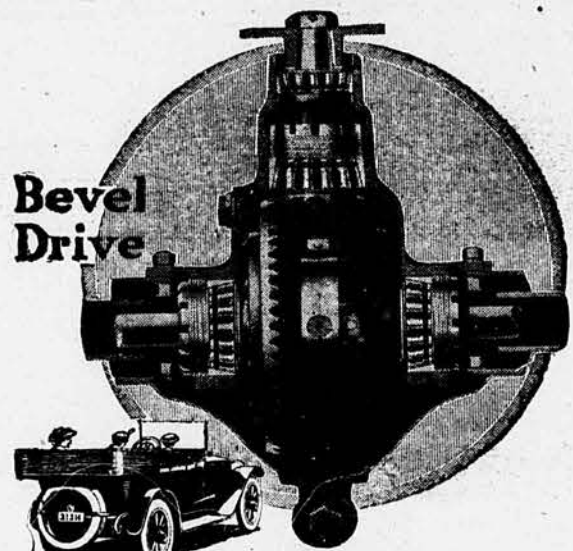
from the outside of the building. The dry-houses are open upon all sides to give free circulation of air through the brush. The plan shows the end elevation of the dry-house, a, a, being the strips which are nailed to the posts d, d; b is a floor over which is the upper story used for storage; c, c, are braces of 4 by 4 timber to strengthen the stalls. The houses are roofed with boards. A plan of the sorting-house also is shown. It is surrounded upon three sides by a platform a, a, upon which the brush is unloaded from the wagons; within, also upon three sides, is a sorting-table b, b, at which the sorters, including women, work inside. The brush is sorted before it is cleaned, and is taken from the sorting-table to the cleaning table c, in front of the machines or scrapers, of which there are three on the open side of the building, seen at d, d, d. The seed is collected from the scrapers into a pile, from which it is removed with carts.

In the Australian egg laying competition just closed, the winning pen of six White Leghorns in the wet mash section produced 1,661 eggs. The five leading pens of White Leghorns produced a total of 8,160 eggs for the year, an average of 272 eggs for every hen.

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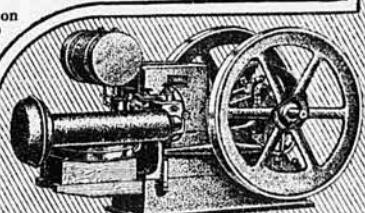
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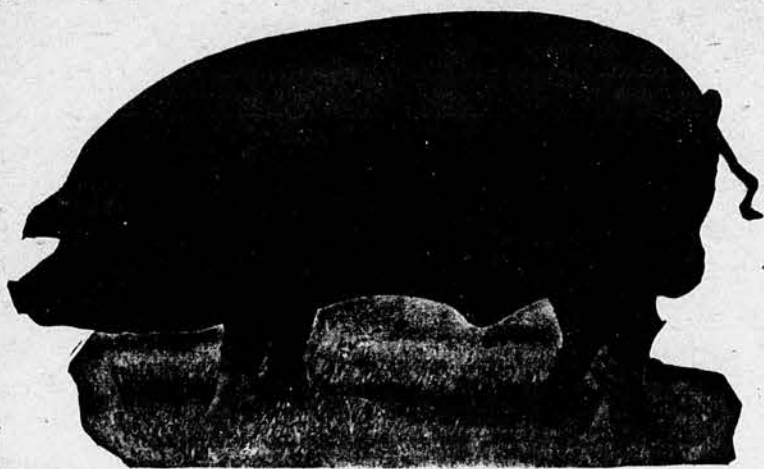
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TOM McNEAL'S ANSWERS

A husband dies leaving land and city property. Most of the land is in the wife's name. This was given her by her father at the time of her marriage many years ago. The husband improved land at the time from his own resources. Since then they have bought land and city property. Part of this is in the husband's name and part in both names as husband and wife. Is the widow subject to the inheritance tax law in Kansas?

No.

The Soldier's Widow.

Can a soldier's widow appoint an agent to file on a claim for her? If so in what way can it be done?

Larned, Kan.

No. A soldier may file thru an agent but his widow cannot.

Who Owns the Hedge?

A owns a farm of 160 acres. He sells to B the South 80. On the West side of this 160 A has the South half which has a big hedge fence and the neighbor on the West has the North half. Now since the farm is divided does B own all of the big hedge or does half of it go to his neighbor on the West?

Hiawatha, Kan.

Unless there was a reservation made in the deed from A to B the latter gets whatever rights A had. If A owned all of the hedge before the sale then B owns all of it now so far as the 80 transferred is concerned.

Widow's Pension.

Should like to ask a few questions about the widow's pension law; where to apply for same, how much is allowed for a child, and whether the widow is entitled to the residence if she lives in it?

Osage City, Kan.

Apply to the county commissioners. The law does not fix the amount for each dependent child but does provide that the total pension allowed shall not exceed \$25 a month. The fact that the widow owns her home does not prevent her from receiving a pension altho that would of course be taken into consideration in fixing the amount to be allowed.

Action for Damages.

In 1912 I began working for a corporation. In January, 1913, I was working in the basement of the elevator which was poorly lighted and came in contact with a belt which broke my elbow and crushed my arm making me a cripple for life. Have I ground for damages against this corporation? The doctor who set the arm set it crooked. Have I ground for an action for damages against him?

Waverly, Kan.

You had a case according to your statement but you seem to have slept on your rights. Under our statutes an action for damages in a case of this kind must be brought within two years. Your right of action against the doctor has also lapsed.

Homestead Laws.

Should like to know something about homestead laws. Can a man file on land if he already owns land, and do you know anything about government land in Montana?

Ness City, Kan.

Any citizen of the United States who is not already the owner of more than 160 acres has a right to file on government homestead land. There are about 18 million acres of government land in Montana, but of course much of this is valueless for farming and of very little value for any other purpose. There are some public lands there which probably are fertile, but they are very far from railroads. The only safe rule to follow if you are thinking of locating in Montana is to go there and take a look for yourself.

False Imprisonment.

If B is arrested on a false charge and confined in a wet, filthy jail as a result of which confinement and exposure he is taken with a hard chill and contracts a fever, and being a poor man, not only loses his health but a part of his crop, not being able to work or to hire help, can there be any chance under the law of collecting damages? What is the law in regard to keeping jails in a sanitary condition?

Coffeyville, Kan.

If B can show that he has been arrested and imprisoned on a false charge, he has grounds for an action for damages for false imprisonment. He might sue the county, the officer or officers who caused the arrest and imprisonment or if he was arrested and imprisoned on the complaint of a private individual he would have an action for damages against him for malicious prosecution.

2. It is the duty of the judge of the district court and county attorney to inspect the jail and see that it is kept in a sanitary condition and that the

prisoners receive humane treatment. This report is made to the county commissioners and if it shows that the jail is in an insanitary condition it is the duty of the commissioners to have such condition corrected immediately. If they fail to do so the county would be liable for damages. If therefore B contracted a fever on account of the insanitary condition of the jail he has a right to an action for damages against the county on that account.

Unrecorded Deeds.

A man married a woman who owned a piece of land. After they were married he sold her land and bought another piece of land with the proceeds. When the deed was given to this land the husband's name appeared alone as the grantee. The wife was not satisfied with it but the party from whom the land was purchased was traveling and it would be a hard matter to have another deed fixed up deeding half the land to the wife. This deed was never recorded. Is it of any value now after several years? Isn't there some way to have the wife's name put in the deed and the first deed destroyed, which would be more satisfactory all around?

SUBSCRIBER.

The fact that the deed was not recorded does not affect its validity as between the parties grantor and grantee. The object of recording the deed is to give notice to the world. Neither does the lapse of time make the deed invalid. However, unless other interests are concerned there is no reason why a new deed could not be made and the old deed destroyed.

Unjust Taxation.

We are living in a country district, but farther away from the schoolhouse than the town district. We pay taxes in the town district to the amount of \$125 but the town board compels us to pay \$2 a month for each child attending grade school and also for subfreshmen. The high school being a county school it was not supposed that any tuition would be charged. Is it right that we should pay tuition after paying taxes on property owned in the district where the children go to school? We also pay taxes in the district in which we live. I. X. M.

Stafford, Kan.

No, it is not right, but under our law you can be compelled to pay the tuition. Our school law frequently works an injustice. The schools of the state should all be supported by a general school tax. Teachers' wages should be uniform in all grades and a resident of the state should have the privilege of sending his children to whatever school happened to be most convenient without being compelled to pay extra tuition.

Gold Circulation.

1. What per cent of the gold in the United States is used for ornament or in the arts and sciences and not as basis for our money circulation?

2. Without a gold basis or standard could we exist as a nation? Would other nations trade with us? How could we pay them for what we might want to buy of them?

3. Does the gold supply keep pace with the demand for money? Have I the right idea that there is a dollar's worth of gold deposited for every dollar issued in paper money?

N. B. J.

During the year 1914 which is the last year in which I have reliable statistics there was mined in the United States 4,572,976 ounces of gold valued at \$94,531,800. Of this there was coined \$53,457,818 or about 56 per cent of the total amount mined. That would indicate that about 44 per cent of the metal was used in the arts and sciences which would of course include gold ornaments, rings and bracelets.

2. Certainly we could exist without a gold basis. Very little trade is carried on with gold as the medium of exchange. The balances are paid in foreign exchange. If we were forced to pay gold for what we get from foreign countries or if they were forced to pay gold for what they get from us trade would be paralyzed at once.

3. No. While the production of gold has enormously increased it has not kept pace with the enormous increase in the volume of commerce but the world has discovered that it can get along with a less and less volume of gold money, and with a proper monetary system, should use no gold money.

4. You are mistaken in supposing that for every dollar issued a dollar's worth of gold is deposited. The only money back of which is either a gold dollar or gold bullion to the value of a dollar, is the gold certificate. The Federal Reserve banks are required to keep either in their vaults or on deposit in the United States treasury gold to the amount of 40 per cent of the amount of currency issued. In other words one dollar in gold for every \$2.50 of currency. There is supposed to be deposited in the United States treasury to redeem the greenbacks a little less than one dollar for \$3 in greenbacks. The national bank notes are based on government bonds and not on gold.

Cows on Dry Land Farms

Bulky Forage is Converted into Easily Marketed Products

BY G. E. DORMAN
Salt Lake City, Utah

DAIRY farming in dry sections of our country has in the past been confined chiefly to the valleys where water was available for irrigation, but there is no reason why it cannot be successful wherever water is sufficient to maintain livestock.

Perhaps the dairy cow has had more influence in the development of our agricultural lands than generally is recognized. What is needed here is more intensive farming, such as dairy farming forces. The pioneer farmer has found that the dairy cow supplies him a living income while he is developing his land. She has been the means of many families remaining on their homesteads, and has been of great assistance in the development of farming communities.

The dairy cow is the greatest economist in converting forage into human food. She will condense tons of it into dairy products in compact and portable form. She will consume and turn into profit much that otherwise would go to waste. The rearing of livestock is necessary for a permanent and enduring agriculture. In dry states it is needed for the purpose of conserving moisture as well as fertility.

The enormous crops of forage that can be grown here and cured to perfection would be far less valuable if it were necessary to transport them to a distant market in bulky form. The dairy cow is converting them into butter, cheese and condensed milk, products that can be shipped to any part of the world. Five years ago the East and Middle West were shipping great quantities of dairy products into this section. Today there still are some shipments, but as a whole the dry states are producing enough dairy products for local consumption and the industry is only started. Many creameries are being established every year. Some localities are supporting milk condenseries, and the branch of the industry that holds out the greatest possibilities in dairying has only been touched upon, and that is the manufacture of cheese. I believe that eventually the states of Colorado, Utah, Wyoming and Montana will control the cheese situation in the United States. The peculiar climatic conditions of this section, which are decidedly favorable for the production of pure milk and the curing of cheese, give it an advantage over any other part of the country. The Department of Agriculture has demonstrated that not only can Swiss cheese be made here of even better quality than the imported, but recently they have been able to manufacture Roquefort cheese from cows' milk that satisfies experts for quality. These are branches of the industry that need development, and I believe will be developed later.

Along with this development will come better cows. We have, up to the present time, depended on the East and Middle West for a supply of dairy cows. Many thousands of them have been bought in the last few years. Many of them were of poor quality and unsuitable for the production of dairy products. We must learn to grow and develop our own herds. In the last three years 18 cow-testing associations have been organized here in the West, which embraces the testing of about 10,000 cows. Closely related to this kind of work is the introduction of herd record keeping by the boys in the country schools. The boys now in the country schools will in a few years be our dairymen. Boys have accomplished wonderful things with farm crops. It was the small boy who demonstrated the possibilities of corn-growing in the South and potatoes in the Northwest. What results this work will have on the general farming operations will depend largely on how extensively it is introduced. The work has only been started, yet boys now in the country schools are keeping records of approximately 1600 cows.

Several breeding associations have been formed and better breeding animals are being brought in, all of which will have a great influence in the improve-



ment of the class of dairy cows. Another very encouraging feature of progress is the building of silos, and I believe it will be a great factor in increasing production. The silo is particularly valuable in the dry states because in the years of great production crops can be stored and kept for the lean years. The use of the silo in the dry states is the dairyman's best insurance against drought.

The question of markets has been a source of unrest to many producers and manufacturers of dairy products in this territory, but the situation will adjust itself as the industry is further developed.

In developing the dairy industry in this territory, we must build on broad lines to make it permanent. We must get better dairy stock and feed them better. Perhaps the most serious difficulty to overcome and the one that will be the greatest factor in the success or failure is quality. If every dairyman and every manufacturer of dairy products will strive to produce quality, the dry states can gain a reputation for their products that will bring top prices.

Milk Well-Bred Well-Fed Cows

Most persons are interested in getting as much enjoyment out of their work as possible, yet comparatively few can devote all their time to pleasure seeking without thought of financial return. Some wealthy men have constructed beautiful buildings and placed fine cattle on their country places simply for pleasure and with little hope of profit. As a companion picture, the dairy experts of the United States Department of Agriculture have called attention recently to the genuine satisfaction that is felt by the successful dairyman whose well-bred, well-fed cows are sheltered by a well-built modern dairy barn of moderate price, and whose business pays a fair profit on every invested dollar.

As population increases, land advances in price, and dairying becomes more popular because the increased demand for milk, cream, cheese, butter, and ice cream enables the well-managed dairy farm to pay a profit, even on high-priced land. As in any other productive enterprise, successful dairying depends upon two great principles—economical production, and the successful marketing of the products.

Economical production of dairy products depends primarily upon the cow and upon intelligent feeding, care, and management. The unprofitable cow is a burden to the owner. One good cow often brings in more net profit than a dozen poor ones. The herd bull should be from a well-bred sire and a high-production dam, and only well-bred heifer calves should be raised on the modern dairy farm. If a bull of first-class breeding and good individuality costs too much, a number of neighbors may club together and buy a bull of better quality than any one of them alone could afford. In many localities bull associations have been formed to meet just such conditions. Dairying never can become highly profitable until the scrub bull is banished from our dairy farms. This includes the registered scrub.

If dairying is to provide either pleasure or profit, the unprofitable cow must be disposed of. The well-bred, high producer that takes her place must be properly and economically fed and cared for. Cow-testing associations have demonstrated that the feed of the dairy herd sometimes can be selected, balanced, and distributed among the individual cows in such a way as to decrease feed costs one-third and at the same time increase milk production.

No one should expect to derive either pleasure or profit from a scrub herd kept in a poorly lighted, unclean, and fly-infested stable, or from a herd which obtains its chief sustenance from a near-by stack of wheat straw.



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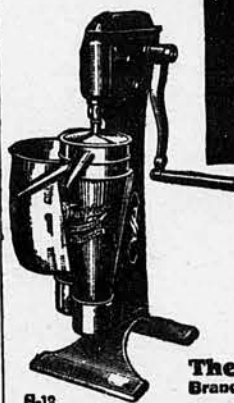
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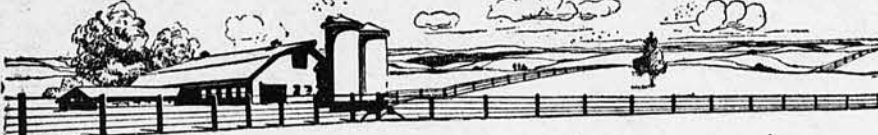


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Why Farmers Should Go

BY W. I. DRUMMOND

Why should farmers attend the International Farm congress (the Dry-Farming Congress), and how much will it cost a Kansas or Oklahoma farmer to do so? I am asked to supply the answer.

The congress, with its attendant International Soil-Products Exposition, will be held at El Paso, Tex., October 14 to 24. That is, the exposition will be running those 11 days, but the congress sessions will hold only three days—October 19, 20 and 21.

It is quite generally recognized that the annual sessions of the Dry-Farming Congress constitute one of the greatest, if not the greatest assemblage of men competent to speak upon the many subjects affecting agriculture and stock growing, ever held anywhere, at any time. I will not undertake even to outline the program for this year in this brief story, but it will be one of the best and most interesting in the history of the organization. Any observant farmer ought to glean enough from listening to and participating in it to repay him amply for his time and expense. A meeting of the same relative importance to any other class of men would bring out every one who possibly could get there.

Those who attended the Soil-Products Exposition, last year, at Denver, the year previously at Wichita, or even at Tulsa in 1913, will have some idea of its character and importance, though at Tulsa it had poor weather and other

The wolves of politics are always on the job. They continually clamor at the heels of every official and every administration that stands between them and their spoil, be it offices, graft or simple love of authority and the sport of "playing the game." Leaders of the pack are the low-grade political newspapers that often wear the sheep's clothing of political independence and pretend to high ideals. They are adept at making black appear white and white look like black. They are fully as clever at fooling the intelligent and unwary as they are at arousing the prejudices of the ignorant and trustful. They do immense damage to the cause of progress and good government in the name of those things and apparently stand for the very reforms which for selfish reasons they are trying to hinder, undermine or destroy. Yet the hopeful thing is that finally and inevitably their hypocrisy and insincerity is discovered and their influence is lost. Under their tutoring, the American people have become increasingly discriminating and observing.

handicaps. Those who see it at El Paso this year will have no difficulty in recognizing a decided improvement over even the splendid Wichita and Denver events. There will be more and better state, national, county and provincial exhibits at El Paso than in any previous year. The industrial, commercial, livestock and other exhibits will be better, and that is saying considerable. No other fair or exposition held in the United States, except a world's fair, ever has attracted so many exhibits from so wide a field, and probably no fair or exposition ever held anywhere, not excepting a world's fair carried a higher educational value. The exhibits of the United States government and the dozen or more federal and state experiment stations alone will present in tabloid form, so anybody can assimilate it, the results of years of research and experimental work, and the expenditure of many millions of dollars.

You may have heard something about some differences of opinion in Mexico, emphasized by plain and fancy shooting, cutting, and so on. It is not improbable you have gathered the idea that there is not enough of Mexico left to make much of an exhibit. If so, you may be interested in knowing that this morning, September 27, one Senor Andres Garcia, Mexican consul general to the United States, was in the congress offices, bringing Senor Francisco A. Saenz, who has just arrived with the complete official exhibit of the Republic of Mexico, consisting of two carloads of

agricultural, horticultural, industrial, mineral, fibre and other products. Furthermore, reservations of exhibit space have been made by the states of Colima, Durango, Coahuila, and the Torreon district. And we have just received official confirmation from the Carranza government of the assignment of the matchless national band of Mexico to play at the exposition. This band is rarely permitted to go outside of Mexico. It is said to be second to no other musical organization in the world.

There are 45,000 national guardsmen, and several thousand regular soldiers stationed at El Paso. A tour of the miles of semi-permanent camps of the guardsmen, and of Fort Bliss and its environs can be made for less than a dollar, and is very interesting and inspiring. Patriotism should prompt a man to want to see this. The modern border city of El Paso, with its strong military infusion, is worth a visit. From it, for a nickel, you can ride right into Mexico. Juarez is as Mexican as Mexico City. It is a most interesting place to visit.

The great Elephant Butte dam is 120 miles above El Paso. Excursions are run to it, thru the valley its waters irrigate. The round trip fare is \$5.

The great valley of the Rio Grande, just fairly started in its development, holds attractions for many. Here the civilization of the Sixteenth century is being replaced by that which is most modern. A visit to this section at any time would be interesting, but of course it is many times more so now.

El Paso is closer to Wichita than to Galveston. The round trip fare from Wichita will be \$35.25; from Topeka \$40.65; from Enid, about \$33, and from Oklahoma City about \$32.

Why should a Kansas or Oklahoma farmer not attend the Congress and Exposition?

Kansans Showed Dairy Cattle

BY JOHN F. CASE

Some of the world's best dairy cattle were entered in the Southwestern Dairy show at Kansas City, September 18 to 23. Twenty-three herds were represented and more than 400 animals competed for the liberal premiums offered. Interest in dairying was greatly stimulated and promoters of the Southwestern show now hope to land the national show. If pep and the expenditure of cash will bring it to Kansas City you may have an opportunity to attend the dairy classic next year.

Competition was keenest in the Jersey classes. Nine herds, representing the best blood lines found in the United States, fought it out for honors. F. J. Bannister of Kansas City and E. C. Lasater of Fairbury, Tex., monopolized the blue and purple ribbons. E. T. Shaffer of Fulton was the Kansas representative. His Jerseys are good but competition was too strong for any notable winnings to go his way.

Dahlen & Schmidt of Eldorado, Kan., were up against the H. W. Ayers herd of Brown Swiss from Honey Creek, Wis. Wisconsin took the cash and Kansas got the experience, but at that the Eldorado herd has some mighty good stuff in it.

Four herds of Guernseys were shown. W. W. Marsh of Waterloo, Ia., won most of the blue ribbons. Wilcox & Stubbs of Des Moines were next in line. Guernsey quality was hardly so good, take it the entry thru, as that shown in the other breeds.

Adam Sietz of Waukesha, Wis., about cleaned the platter on Ayrshires. Kilford Bell 3rd, winner of numerous championships added another purple ribbon to her owner's collection. Dr. F. S. Schoenleber of Manhattan sent his Ayrshires to the show. A good producing herd, they were up against too stiff competition to win. From a milk and butter standpoint, tho, I'd choose Schoenleber's entry. But he'll have to go a long way to compete in the show ring with men like Sietz.

Holsteins were out in force, six herds being represented. David Coleman of Denison, Kan., entered some good specimens of the great black and white breed. E. H. Witte of Kansas City had a herd that attracted much attention.

H. H. Kildee judged the Holsteins, L. S. Gillette tied ribbons for the Brown Swiss and Guernsey classes, and Will Forbes handled the Ayrshire and Jersey entries. Little complaint from exhibitors was heard.

Those who value their advice most always keep it to themselves.

What Shall I Do, Doctor?

BY DR. CHARLES LERRIGO

I was operated on several years ago for female trouble, and have never regained my strength. I have the backache constantly. I cannot lift anything at all and have doctored a great deal but am told it will take time. I am not 30 yet and the "time" seems awfully long. Can you advise anything to strengthen my back?

M. E.

I give this letter a prominent place because I have several of like tenor. My reply will serve also as answer to Mrs. A. D.; Inquirer; and Mrs. E. S.

M. E.'s doctor is right in telling her that it will take time, and I hope he told her so before the operation. It is always well for a patient to know what she must face. If she knows that she must be laid aside for one year or two years she will meet the situation better than if she expects to get right up and go about her work. A little reasoning is sufficient. You are losing an important organ of the body which has been performing certain functions for 15 or 20 years and in the natural order of things would continue as much longer. Large vessels and nerves are severed. The blood which has freely circulated thru this territory now finds other channels. The work has been done under anesthesia, yet you have suffered a severe shock. Is it any wonder that the few weeks' hospital care does little more than get you out of bed? But most of you go home and try to take up your full duties, and herein is your great mistake. It is true that many women manage to get well and enjoy improved health despite the burdens they assume. They are the fortunate ones who have escaped severe shock, who have enjoyed unusual vitality, or have especial buoyancy of spirit. No need to be discouraged because your case is slow of adjustment. I could tell you of slow cases eventually making splendid recoveries; and I also know of one or two where the patient became convinced that she would never again be well, magnified every symptom and suffered an unnecessary martyrdom. While waiting to get well many of these slow cases may get much help from suitable belts or surgical corsets, relieving the backache and giving support to the abdomen. Exercises are helpful in some cases, and where important organs have been removed some help is derived by using animal extracts, supplying in a measure the missing secretions. But above all things else the patient must be very patient and very hopeful, must refuse to classify as "pain" the minor sensations which come in the body's efforts at adjustment, and must daily persist in a mental attitude that gives grateful recognition to every forward step.

I want to ask your advice about eczema. Can it be cured? I have heard eczema termed a healthy person's disease. Is that true? Is one so afflicted more free from other ailments and can it be spread from one part of the body to another by scratching? I have it on my arms so badly and am afraid of getting it on my face. I had eczema on my limbs very bad several years ago but it disappeared just seven years ago and I never had a trace of it until this summer when it appeared again, but on my arms.

J. W. C.

Eczema is a skin disease but is greatly influenced by the general body health. It may be aggravated, for instance, by digestive errors, and the eczema patient should never indulge in alcohol, spices and condiments, highly salted foods or those markedly acid. Many cases of eczema are due to some external irritant not recognized as such by the patient. A baker for instance may have it from working with sugar, a laundress from soda, a photographer from using chemicals. Many a tender skin is aggravated into a condition of "eczema" because of strong laundry soap remaining in undergarments. There is nothing to the story that it is a healthy person's disease. It seldom appears on the face of an adult, so your worry is uncalled for. Its cure is possible but requires careful living.

I should like to ask you what to do to drive away or destroy mosquitoes that swarm at times in our out-door toilet. I always have heard that they are fever breeders and I have tried putting lime and lye into the vault and also tried swatting them, but day after day they come again as numerous as ever. The toilet is closed fairly tight but the mosquitoes find their way up. Why are they so bad at that particular place? We are not troubled with flies now. They were pretty bad the fore part of the summer but I used a can of lye and that settled them. Will be very thankful for any information.

M. S.

Mosquitoes are not particular as to their breeding place so long as they find moisture. Give the whole vault a good dose of oil, using your garden watering-

pot for a spray. Be sure there is no rain barrel or other collection of water left uncovered. All out-door toilets should be screened against flies and mosquitoes. They can't breed if they don't get in.

Will you tell me what is the best thing to do for a bed-wetting child? She is 11 years old and has wet the bed most all her life. She seems in perfect health. Never has had any kind of sickness except a very light case of diphtheria when about 2½ years old.

MRS. W. M. L.

Bed-wetting always is a serious annoyance and sometimes is a symptom of defective organs. Usually a child has little control over the urine during sleep until 2 or even 3 years old. Many children have trouble until 5 or 6. When the ailment persists, as in this case, to the age of 11, it suggests some serious difficulty. I have found many cases, in both boys and girls, in which the trouble seemed due to some malformation or irritation of the genital organs. Girls may have a hooded clitoris requiring attention, and in this case I would have an examination made. Any local irritant such as may be set up by pin worms, for instance, must be remedied. Any possible nervous strain must be removed; even the removal of adenoids has been known to cure. If the urine is highly concentrated and acid the child must be encouraged to drink more water. She always must empty the bladder just before going to bed. Raising the foot of the bed is helpful by relieving the pressure against the sphincter. Cold bathing, especially along the spine, is a good measure. Outdoor exercise and sleeping in an airy room are desirable. A child of 11 may be helped by appealing to her pride, but punishment is useless. It is some comfort to know that very stubborn cases sometimes cure themselves at puberty.

W. H. P. See answer to Mrs. W. M. L.

When I was 37 years old I had to undergo an operation. I recovered my strength in about 18 months and seem about as well as before except that I have hot flashes. I am having as many as 12 and 15 in the 24 hours and am saturated with perspiration; on the coolest days it will stand in beads all over me, and I feel smothered and distressed about the heart when they come on. The operation was two years ago. Now what can be done to stop them or will they ever stop? I will be so grateful for relief.

C. P.

Possibly the surgeon found it necessary to remove the ovaries in the operation. The absence of ovarian tissue seems greatly to aggravate the hot flashes and nervous symptoms that come with the menopause. Great relief is often obtained by taking ovarian extract prepared from the ovaries of animals by some of the packing companies. Your doctor can get it for you.

When is whooping cough contagious and when does it quit? Our little boy has been coughing since April and we don't like even yet to take him out.

JOHN G. H.

To be on the safe side a child with whooping cough should be kept from wild children for three months unless the cough subsides before that. If your boy is still coughing it will be well to have your doctor examine him. May be some complication.

My husband has a swelling on his thigh which he thinks came from ball playing. He calls it a charley-horse. In the five years of our married life it has grown from a fullness which could hardly be told from fat, until now it is the size of a teacup.

MRS. F. D.

A charley-horse would not develop in such a fashion. This is a tumor of some kind. It is important to consult a surgeon at once.

I have had an ailment which I think is dyspepsia for the past six years; have a hurting and burning sensation in my stomach. I have doctored but only had temporary relief.

MRS. E. B. K.

The symptoms given are too indefinite. Try "fletcherizing" your food and abstaining from all acids.

Mrs. C. G. M.—A stimulating lotion to apply to the roots of the hair may be made by adding ½ ounce each of Tincture Capsicum and Tincture Cantharides to a pint of alcohol.

Mrs. A. J. S.—I cannot prescribe medicine from the symptoms you give. Excessive gas in stomach and bowels improves if the patient will cut down the starchy food and sweets, masticate all food very thoroughly, maintain a regular bowel action, and drink freely of water.

J. O.—The matters about which you ask are largely controlled by mental influences. It is a rule among decent people to leave the decision with the wife.

Every stockman should have a well-equipped, but not necessarily expensive medicine chest.

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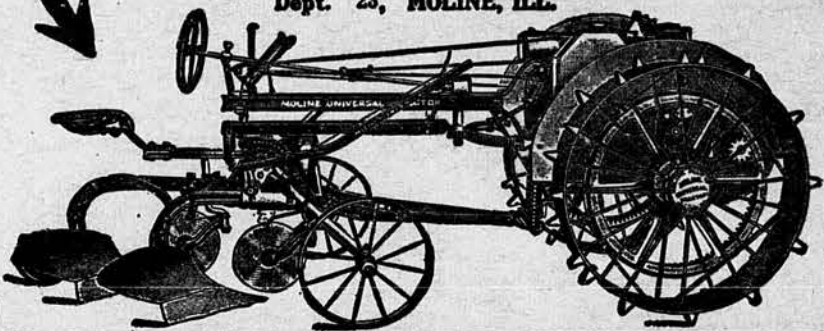
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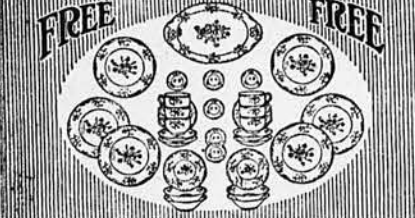
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Sunday School Lesson Helps

BY SIDNEY W. HOLT.

Lesson for October 15. The Appeal to Caesar. Acts 25:1-12. Golden Text: It is enough for the disciple that he be as his teacher, and the servant as his lord. Matt. 10:25.

During the two years Felix's indecision kept Paul a prisoner in Caesarea the political state of Judea grew so embarrassing that he was summoned finally to Rome. Being eager on his departure to diminish his unpopularity with the Jews, he violated the law and trifled with the rights of a Roman citizen, in leaving Paul's case to be decided by his successor.

Festus, the new governor, was in every way a better man than Felix. His straight-forward honesty is in marked contrast to his predecessor's meanness. He did not do all the justice that he might have done, but, allowing for the natural desire to make himself pleasing to the people under his government, his conduct was commendable. Festus was a friend of King Agrippa II. His accession of the office of procurator, or governor, of Judea is one of the puzzles of New Testament chronology. His administration began sometime in A. D. 59 and his term of office was very brief.

No outward change in the circumstances of Paul's imprisonment seems to have taken place when Festus took command of the province. The new governor's journey to Jerusalem so soon after his arrival at Caesarea was the natural result of his desire to become acquainted with the habits and prevalent feelings of the people he had come to rule. The Jews were the most remarkable people in the whole extent of the Roman provinces. No city was to any other people what Jerusalem was to the Jews.

In Jerusalem Festus immediately met an urgent request against Paul. It was preferred by the chief priests and leading men among the Jews, and seconded by the crowds who clamored with vehemence as they asked that Paul be brought to Jerusalem for trial before the Sanhedrin. The unsleeping hatred of the Jews had planned a fresh attempt against Paul's life. The real purpose in asking Festus to send Paul to Jerusalem was so they might assassinate him.

Their hatred was so visibly intense and unreasonable that Festus decided Paul should remain in custody at Caesarea. It was not a Roman custom to give up an uncondemned person as a mere favor. The accused must have the accuser face to face and full opportunity be given for a defense. Therefore, Festus invited all who were competent to undertake the task of accusers to return with him to Caesarea and there prefer the accusation.

The next day after Festus returned from Jerusalem he opened the court and summoned all interested in the case. The high priest and the leaders of the Jews who were attacking Paul, stood around and made heavy charges and clamorously asserted that he was worthy of death, but they made the same mistake they had made when Tertullus presented their case two years previously. They failed to produce witnesses, and could not prove their case.

Festus saw very soon that Paul's offense, if any, really was connected with the religious opinions of the Jews and not as he had expected with a political movement. He was greatly perplexed. Knowing that Paul had done nothing worthy of death, he still wished to please the Jews and so proposed that Paul go to Jerusalem for trial. This Paul refused to do. He knew the danger of such a journey even under the protection of Festus and boldly said "I appeal unto Caesar."

Festus probably was surprised at the turn in the proceedings. Paul had availed himself of one of the most important privileges of Roman citizenship, the right of appeal. By the mere utterance of the words "I appeal unto Caesar" he had instantly removed his cause from the jurisdiction of the governor before whom he stood and transferred it to the supreme tribunal of the Emperor at Rome.

The only thing which remained for Festus to do was to forward to Rome all the acts and documents bearing upon the trial and the record of his own judgment on the case. This last fact perplexed him. The information gained

thru the trial was so vague that he scarcely knew what statement to insert in his dispatch to the Emperor. It seemed foolish for him to send a prisoner to Rome without at the same time specifying the charges against him. We can only suppose that Paul in a sudden inspiration saw in the right of appeal the opportunity of accomplishing his long-cherished desire of going to Rome to preach the Gospel.

A Large Fire Loss

The fire loss of the country is larger than is believed generally. Estimates say that the total fire waste in the United States during the past 10 years is equivalent to wiping out the national corn crop once every 10 years. Fire loss exceeds the annual value of wheat, hay, rye and oats. It amounts to twice the annual value of the cotton crop. It exceeds the normal amount of gold held in the United Kingdom, Austria, Hungary, Italy and Spain during the times of peace.

More than 250 million dollars is burned up every year. Another 250 million dollars is expended for fire department service. Still a third 250 million dollars is represented by the difference between the insurance rates that would be possible under a normal fire hazard and the rates made necessary by present conditions. Every holder of a fire insurance policy pays for the laxity of our fire laws and the indifference of the American people to the fire hazard.

Property burned is property gone forever. The fire insurance companies do not cover the least part of the loss. They merely collect and distribute the fire tax represented by their policies. They actually pay nothing. A heavy share of this gigantic loss—as well as a large percentage of the 3,000 persons killed and the 6,000 injured every year by fire—falls upon rural communities. The reasons are: First, remoteness of the average farm from town and lack of adequate means of fire protection on the average farm. Second, commonness of fires on farms caused by lightning and carelessness. Third, prevalence of wooden construction.

For these reasons, the proposed plans for National Fire Prevention day, October 9, should benefit greatly the inhabitants of farming districts. The five-fold slogan of National Fire Prevention day is:

Clean up! Get rid of all burnable trash. Be everlastingly careful! Safeguard all buildings against fire. Fix by law individual responsibility for fires. Enforce these laws.

One fire-breeding habit aimed at is the lax handling of matches. They should be kept in metallic boxes out of the reach of children, and they should not be left carelessly about.

The growing use of gasoline and electricity increases the fire hazard. Automobiles and gasoline engines should not be kept in barns, but housed in separate buildings made of concrete, galvanized iron, stone or brick. Gasoline should be stored in underground tanks. The greatest care should be exercised in burning weeds and rubbish.

Women and employes should be taught prudence in the use of kerosene and other oils. They should not fill lamps near another light. Lamps always should be kept clean and well trimmed. Open flame lights should never be carried into barns, and the utmost care should be taken to place lighted candles where they will not be overturned.

It is dangerous to store improperly cured hay in barns, especially when ventilation is bad. This is a common cause of spontaneous combustion. The only preventive is to store no hay that is not cured properly.

Defective heating-apparatus is a frequent cause of fires on farms. Chimney-flues, stoves and furnaces, should have periodical inspections.

Shocked and stacked grain should be guarded carefully from chance sparks. Electric wires in house and barn also should be looked over by an electrician from time to time. Every new building that goes up, whether a chicken-coop or the farmhouse, should be of fireproof construction.

An abundant supply of water should be kept on hand to fight fire. At least six bucketsful should be kept in the passageway of the barn. A large tank or several barrels filled with water also should be kept handy. Build a cistern near the barn with a good force pump and hose attached. Approved chemical extinguishers should be hung in convenient places in house and barn.

Big Ben

A
Westclox
Alarm



TWO A. M.—inky dark—that's when Big Ben starts the Milkman's day.

Out of bed like a boy on the Fourth—nudges Big Ben to a hush—takes up the tune as he whistles to work.

Try Big Ben yourself a little earlier. See how he'll bring you the cream of the day with minutes a-plenty for every task. And you'll take up his tune and smile through the day.

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Now for a Breed Club Boost

BY JOHN F. CASE
Contest Manager

Capper Pig Club members have done mighty well so far as caring for their pigs is concerned. Of all the 102 boys entered but two lost their contest sows, and one of these boys has pigs enough left to pay a profit. With cholera ravaging the state in many sections only one member has lost pigs because of this dread disease. Certainly there's been an element of good fortune, but most of the luck has been spelled with a capital P. Pluck is what makes a winning game.

Early pigs are ready to sell as breeding stock. Buyers are eagerly watching for good boars and gilts and some of our club members have made good sales. Fred Hartwell of Goodland, Sherman county, exhibited his contest sow and two pigs at the home county fair. Fred won three blue ribbons and \$18 cash. According to the rules of our contest I sent Fred a check for \$6, duplicating money won by the contest sow. That made \$24 and Fred only paid \$26.50 for his sow to begin with.

a better one before the contest closes." But I did "put it in the paper," Ralph, for the picture shows up very well. And now let's have more letters and more pictures. That's what makes our department in this paper an interesting one.

Good Year for the Bees

BY HARRY A. HUFF.

The last season has been a very good one in this part of the state for bees. There was a good, early flow from the fruit bloom and dandelions and the bees got a good start, and they have kept right after it. It is time now to prepare for winter. Every hive should be examined to see if the bees have a good queen, and plenty of brood in the hive. You should also look to see if they have plenty of honey in the hive. If the hive has an old queen you may not be able to find any brood at all and in that case it would be necessary to remove the queen and get a young queen as that colony probably would die before spring. The secret of successful wintering is to have a young queen in the hive, and to



Ralph Barge, Powhattan, Brown County, and a Quality Entry of Duroc Jersey Swine. Can You Beat 'Em?

But Fred's activities didn't stop with his winnings. Admiring breeders crowded around the pens and Fred sold his six pigs for more than \$100. That's the kind of a salesman our Sherman county representative is and he still has a chance at the contest prize money.

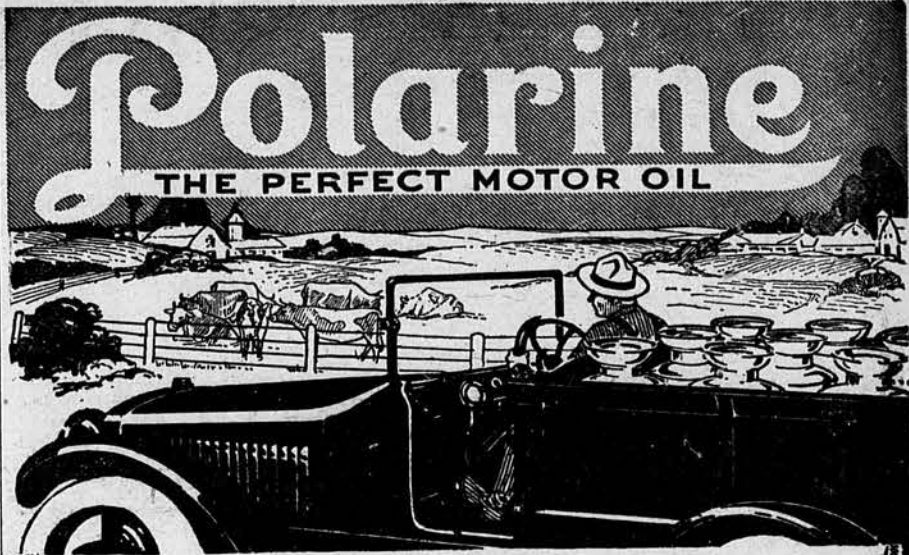
Ray Jones of Reno county has sold \$100 worth of pigs and Katie, the contest's most prolific sow, recently found 11 more belted beauties. So now Ray has six shotless unsold and worth around \$100, ten pigs surely worth \$50, and the sow worth more than the original \$50 paid. That's another evidence of enterprise.

John Shepard, Marshall county representative and one of our youngest members, sold two pigs for \$50 and has some fine ones left. John is a live wire as all of the boys who attended the big meeting at Topeka will attest.

Now, fellows, here's what this talk means: Every boy has done well so far as feeding and caring for his contest sow and litter amounts to, but now the thing to do is to get out and sell your breeding stock. Line up with your breed club, list your surplus pigs for sale with the secretary, and "talk hog" at every opportunity. Blushing violets sell no pigs. Remember that it pays to advertise. Visit your home newspaper man and tell him about the contest and the fine entry you own. If we've printed your picture in the Farmers Mail and Breeze I'll be very glad to send the cut and your friend will be glad to run it in his paper. Let's sell a few pigs.

And now let's get acquainted with Ralph Barge, Brown county representative. Ralph entered the contest late taking the place of Hugh Deaver who decided to withdraw, but Ralph has proved to be one of our live wire members. In a letter written about a month ago he says: "I should like to go to Topeka the best of anything I know but papa is going out West and I don't know just when he will get back home. But don't think if I am not there that I am sleepy-eyed. I still have my 7 Durocs and they all are immunized. I don't see many letters from the boys and I guess a lot of them are like me—just think they can't write a good letter and don't write at all. The picture was taken about June 1. Don't put it in the paper as I am going to send you

have lots of young bees. These bees should hatch out after the first of September and as much later as you can get them to hatch until the hive is full of young bees. If there are many young bees hatching, you can see the young bees out in front of the hive on a warm day playing, and whenever you see that you can be sure that that hive is in good condition to go thru the winter. In an eight-frame hive there should be bees enough to cover at least six frames of the eight all over and in a 10-frame hive they should cover eight. If you have bees enough to cover all the frames and then some you are so much the better off. You cannot get too many bees in a hive for successful wintering. The amount of store that the bees should have is as important as the amount of bees. An eight-frame hive should have at least 25 pounds, and more is better. A 10-frame hive should have, not less than 30 pounds, and as much more as the bees can get into the hive. If you examine the hives during the last of October you probably will find that the bees have the honey stored in the side frame and in the top of the center frames, and there will be a space just over the entrance of the hive where there will be no honey in the frames. This is the winter nest of the bees. If you find that they do not have enough honey to carry them thru the winter never put a solid comb of honey down thru this winter nest as it will divide the bees into clusters, and it will be much more difficult for them to stand the cold weather. Put the comb of honey to one side of the winter nest and then the bees will work over to it as they need the honey. A regular Hoffman frame will hold about 5 pounds of honey, and if there are five frames full of honey they will have about 25 pounds of honey. As good a plan as any is to weigh the hive. An eight-frame hive, bees and all, should weigh not less than 45 pounds and a 10-frame hive should not weigh less than 55 pounds. It is best to look them over at the time of taking off the last honey and then make sure that they are all right so that during the early fall and winter they can make things all snug for the winter. It will not be necessary to wrap them up until the latter part of October when they should be wrapped up for the winter.



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Corn Ground is Now in Wheat

Conditions in Kansas are so much like those that prevailed in the fall of 1913 that grain men believe the acreage of wheat sown will be unusually large. Except in some western counties the moisture in the ground was sufficient to start pastures in fine shape and enable fall plowing to make good progress. The broomcorn crop is fairly good.

KANSAS.

Pratt County—Ground is being prepared rapidly for wheat since the rains. There is lots of volunteer wheat. Corn is in the shock. Corn crop is very short. Stock is doing well. Hogs are scarce.—J. L. Phelps, Sept. 30.

Gove County—A killing frost September 29 with warmer weather following. A good general rain is needed. Seeding is well along. Very little sorghum were raised but there is lots of straw in the county.—H. W. Schable, Sept. 30.

Pottawatomie County—A very good frost September 27, the second of the season. It nipped the alfalfa and green crops considerably. A smaller acreage of wheat will be sown this fall than in past seasons. Some fall plowing is being done.—S. L. Knapp, Sept. 28.

Grant County—We had a good rain September 23 but it was not needed for crops. Broomcorn is about all pulled. There will be some grain and lots of feed. Corn crop is light. Grass is fine and stock are doing well. Milo \$1.60; corn \$1.80 a hundred.—J. M. Kinsman, Sept. 28.

Rawlins County—Threshing is almost finished. Seeding is in progress. Some wheat is up nicely. Some volunteer wheat is drying up. We had hard frosts September 27 and 28. Farmers cannot haul very much wheat on account of the scarcity of cars.—J. S. Skolaut, Sept. 30.

Washington County—Local rains fell September 24, but none in this vicinity. Farmers are drilling wheat. The first killing frost came September 28. Hogs are getting scarce. Lots of farmers are talking of raising sheep instead of hogs. Eggs 25c; cream 31c.—Mrs. Birdsley, Sept. 29.

Leavenworth County—Some farmers started sowing wheat early. The second of the season. Ground is in good condition for wheat. Lots of corn was cut up. Fall pastures are fine. A few sales are being held. Cows are selling high.—Geo. S. Marshall, Oct. 1.

Cherokee County—We are in need of rain. It is too dry to plow. Some farmers are sowing wheat and some are waiting for rain before they sow. Pastures are short but stock is looking well. There are many sales, and stock is selling low. Wheat \$1.45; corn 80c; eggs 20c.—A. E. Moreland, Sept. 30.

Sheridan County—It is somewhat dry. Seeding is almost finished. Hoppers are doing some damage. Corn is almost a failure. Acreage for fall wheat will be normal. A great many sales are being held with stock selling well. Wheat \$1.45; corn 75c; barley 68c; cream 35c; eggs 25c.—R. E. Patterson, Sept. 28.

Kearny County—Light local showers have fallen the last two weeks but it is too dry to plow. A heavy frost September 29, killing all vegetation. All late sorghums were ruined for grain. Almost all the sowed feed has been cut. Some cattle are being shipped to market. Butterfat 28c; eggs 25c.—A. M. Long, Sept. 30.

Osborne County—Wheat sowing is being rushed. Early sowing is coming up, but the ground is too dry for the later sowing to sprout. We need a good soaking rain. A killing frost September 27. Alfalfa seed is the best in years. Hullers are running. Car shortage keeps the elevators filled with wheat. Wheat \$1.50.—W. F. Arnold, Sept. 28.

Elk County—A heavy frost September 28. Wheat sowing will begin in a few days with an increased acreage over last year. The fourth crop of alfalfa has been cut and was a heavy crop. Corn is a short crop. Cattle are in fine condition. Wheat \$1.50; corn 80c; potatoes \$1; alfalfa hay \$11; best prairie hay \$5.50; eggs 25c; butter 30c.—C. C. Jones, Oct. 2.

Elk County—We are having ideal fall weather. A heavy frost fell September 29, which killed all vegetation. Some farmers are gathering corn, which is pretty good in places. Lots of hay is being shipped out, also a great many cattle. Cattle and hogs are selling high. Eggs 26c; butter 33c; cream 30c; prairie hay \$5.50.—Mrs. S. L. Huston, Sept. 30.

Marion County—A fine rain fell this week so that nearly all the wheat ground can be put in condition for seeding. Farmers still are busy with harrowing and trying to kill the volunteer wheat. Some have begun to sow wheat. Cane looks nice and will be ready to cut soon. Apple crop is small and also the corn crop. Eggs 27c; wheat \$1.47.—Jac. H. Dyck, Sept. 30.

Norton County—It is dry and windy. It is a poor fall for sowing wheat, but more is being sown than usual. Pastures are poor. Stock is being fed on most farms. Prices are good but about one par with what the farmer has to buy. Wheat \$1.45; alfalfa \$2.50; a bushel; apples \$1.60; grapes 35c a basket; potatoes \$1.25.—Sam Teaford, Sept. 30.

Thomas County—Wheat sowing is in progress. As large or larger crop than usual is being sown. There are some sales. Stock is selling well. Threshing is almost finished. Yield will average about 13 to 15 bushels. Some made as much as 30 bushels. There is practically no corn and not much rough feed, except straw. It is quite dry. Wheat \$1.50; barley 68c.—C. C. Cole, Oct. 1.

Johnson County—We are having fine fall weather and farmers are busy putting in wheat. Considerable is yet to be put in, and the soil is in good condition for seeding. Very little wheat is up yet. Fodder is in shock. Some potatoes will be bought as the crop was not sufficient for home needs. Some apples thru the country, and a medium crop of late pears.—L. E. Douglas, Sept. 30.

Meade County—Wheat sowing is pretty well done. Ground was never in better condition for seeding. Wheat is coming up quickly. Some is to be sown yet. Feed is not as good as last year. Not much feed will mature to insure good seed for another year. Fodder is good. All stock is doing well. Several new silos have been put up. Hail damaged the feed for filling silos.

Hogs are doing well, and no sick ones have been reported. Some feed is being cut. Wheat \$1.54; eggs 25c; cream 31c to 34c.—W. A. Harvey, Sept. 29.

Lincoln County—Weather is windy and dry. A freeze occurred September 28. Wheat sowing is about all done. All wheat will not come up until it rains. Pastures are getting short. Lots of feed was caught by the frost. Cattle are selling cheap compared with last year. No kafir or cane seed was raised this year. Wheat \$1.50; hogs 10c; corn 85c.—E. J. G. Wacker, Sept. 29.

Sumner County—Early sown wheat is growing nicely. Wheat sowing began about September 14. A good rain would be a help to all the wheat, especially the late sown. Kafir is a failure except for a little fodder. Feterita headed out and will make some seed. Wheat \$1.46; corn 75c; oats 56c; butterfat 33c; eggs 24c; apples \$1; young chickens 16c; hens 12½c.—E. L. Stocking, Sept. 30.

Geary County—Weather is cool and windy. We had about 1 inch of rain September 26 and some hail followed by a hard freeze September 28. Wheat sowing is in progress. Quite a large acreage is being sown. The early sowing is beginning to come up. Not many hogs are for sale. Fall pig crop will be less than half of other years. Fat hogs \$9.50; wheat \$1.49; oats 46c; corn 79c.—O. R. Strauss, Sept. 30.

Ford County—Weather is changeable. A heavy freeze occurred September 29, which did considerable damage to forage crops and alfalfa. Rains still are of a local nature. Farmers are busy sowing wheat and putting up feed. Early sown wheat is a good stand and with the volunteer is making good pasture. Wheat is going to market at \$1.48; corn 85c; butter 30c; eggs 25c.—John Zurbuchen, Sept. 30.

Miami County—We have been having ideal fall weather with plenty of rain. Ground is in fine condition for plowing. Considerable wheat will be sown. Corn crop will be light in this county, altho there is some good corn where local showers fell in time. Public sales are numerous. Stock is selling well, especially milk cows. Wheat \$1.50; oats 42c; hay \$7 to \$10; eggs 25c; cream 30c.—L. T. Spellman, Sept. 30.

OKLAHOMA.

McIntosh County—The first frost September 28 killed the sweet potatoes. Corn is making from 20 to 35 bushels. Cotton picking is about finished the second time. Cotton \$5.85; hogs 9c.—H. S. Waters, Sept. 30.

Kingfisher County—We are having fine weather. No killing frost yet. Most wheat has been sowed and some is up. The recent rains were too late for feed crops. Corn 75c to 80c; cream 29c; wheat \$1.50.—H. A. Reynolds, Sept. 29.

Oklahoma County—The Oklahoma State Fair was held at Oklahoma City this week. There was a good exhibit of livestock and field products. The early sown wheat is up, and a good stand. Corn and cotton picking are in progress. Corn is making from 5 to 50 bushels an acre. Corn 60c; seed cotton 6c and 6½c; lint cotton 15c and 16c; butterfat 33c; eggs 30c.—Lake Rainbow, Sept. 29.

Washington County—Local rains have improved pastures but it has not rained enough to help seeding operations. Stalk fields are being prepared and sown to wheat. A few fields of early sown wheat are coming up. Despite the drought very creditable showings are being made at the township and county fairs. There are no apples or pecans this year.—J. M. Brubaker, Sept. 29.

Capper a Vote-Getter

The official returns from the recent Kansas primary show that Governor Capper has broken all records as a vote-getter. Notwithstanding the total number of voters participating in the primary this year was about 7,000 less than two years ago, Governor Capper received 133,918 votes this year as against 105,800 in 1914. There was a noticeable falling off in the Democratic vote for governor this year. Hodges had 72,736 votes in the primary of 1914, while the combined vote of both Lansdon and Gaitskill this year is only 47,432. Capper's vote of 139,918 breaks all records. It is the largest ever given any candidate in a Kansas primary for any office.

In many counties the governor's primary vote this year is much heavier than his vote at the election of 1914, which is a compliment never before accorded to a state candidate. In Sedgewick county, for example, Governor Capper's vote of 3,773 at the election of 1914 was increased to 5,689 at the recent primary. Douglas increased from 2,964 to 3,703, and Wyandotte from 5,019 to 5,916. But the best of all was his showing in his home county of Shawnee, where he received more than 11,000 votes, leading both the state and county ticket by more than 1,000.

Two years ago Governor Capper was high man on the Republican ticket by 14,000. This year he received 22,000 more votes than any one else on his own ticket and had three times as many as the combined Democratic, Socialist and Prohibition vote, all of which indicates that Capper's satisfactory handling of the office of governor has made him stronger than ever with the people of Kansas. Governor Capper was elected two years ago by the record-breaking majority of 50,000. His fine showing in the primary indicates that Charley Finch may not have been so far off when he predicted in the Lawrence Gazette the other day that Governor Capper would be re-elected by 100,000 majority.—Fredonia Citizen.

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Cost less and will outlast several steel tanks, or several tanks made from other materials. Atlas Redwood Tanks keep the water warmer in winter and cooler in summer. Send for price list today.

ATLAS TANK MFG. CO., 1113 W.O.W. Bldg., Omaha, Nebraska

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Farms for annuity bonds! Why not sell your farm, avoid all care, anxiety about crops, and invest the proceeds in annuity bonds, yielding a sure even income from 4% to 9% on one life and 4% to 8.3% on two lives. These bonds are of special interest to Baptists and others who wish their money to help Christianize America. Forty years experience! Write for our booklet.

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YOU CAN burn less fuel and have warmer homes—less muss and fuss—better health—by heating with the MUELLER ONE REGISTER PIPELESS FURNACE.

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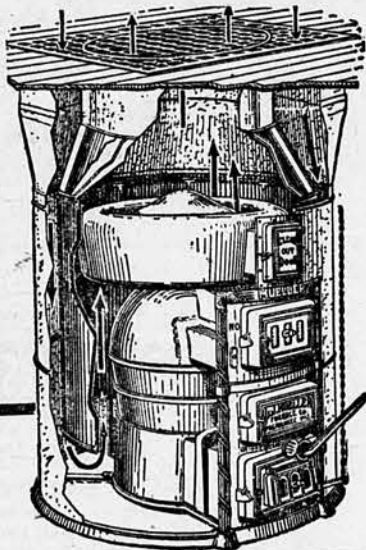
Heats every room in the house comfortably, cleanly, from one register. Keeps air moving, improves ventilation. Easily installed in old or new houses without tearing up walls or floors. Where no cellar, just dig a pit. Burns wood, coal or coke. Is made of solid cast iron and can be used a lifetime. Investigate NOW. Get the facts why the MUELLER PIPELESS is your best buy.

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As we are makers of heating systems of all kinds since 1857—regular hot air pipe furnaces, steam or hot water boilers and vapor heating systems—we are in a position to give you honest advice on your heating requirements.



3 Autos Given Away

New 1917 Touring Cars Complete

You can't lose—you don't do anything for nothing. The grandest, most liberal, All-Cash-Plan ever offered. Ride in your own car. We are giving away 3 automobiles—yes, 3 of them—3 of the huskiest, best, bulkiest little "road eaters" that ever kicked dust in the face of a \$5000 car. I have a surprise and a FREE GIFT FOR YOU. It will cost you an insignificant 2c stamp or postal card to get complete first-hand facts how YOU can have an auto! Don't put it off. Dig for your pencil. Write NOW—today. Ivan C. West, Mgr. Dept. 19 Indianapolis, Indiana.



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Absolutely guaranteed, 1½-in traces, 18-ft. lines, ¾-in. bridles. Complete with breeching. Many bargains in our Big Free Catalog.

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Your Own Name on Knife—The finest knife you ever saw in all your life. Two fine razor steel blades of best quality. German silver tips, brass guides, nickel rivets. New transparent handle showing your own name underneath, same as if you were looking thru glass. The knife is 3¼ inches long. Just the right size for a pocket knife. It's a beauty, strong and serviceable; no better knife made at any price. Send for yours today.

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Wonderful Plant Free

The Resurrection Plant changes from lifeless inactivity to lovely fern upon being placed in water. It will resurrect in this way any number of times. This beautiful plant sent free if you send 10c to pay for a 6-month subscription to The Household Magazine. HOUSEHOLD, Dept. RP-2, Topeka, Kansas.

Fall Season Sees Lower Prices

(Owing to the fact that this paper is necessarily printed several days prior to the date of publication, this market report is arranged only as a record of prices prevailing at the time the paper goes to press, the Monday preceding the Saturday of publication.)

All classes of livestock were lower last week, the result of liberal supplies, weather conditions and the advancing season, together with the expectations that receipts of cattle and sheep will continue liberal. The biggest declines of the year occurred in sheep and hogs, amounting to nearly \$1 a hundred pounds. The decline in cattle, tho less severe, brought the price level on most grades to a new low position for the season.

The top price for hogs Saturday was \$10.10, or 60c under the top price a week ago and other hogs showed 75c to \$1 under a week ago. The market was firm Monday, and started down with vigor Tuesday, and closed the week in an uncertain position. Because of the unusually large per cent of hogs weighing under 175 pounds, both shippers and packers were more eager for those weighing over 200 pounds, and the premium prices shifted from light weight to 225 to 250-pound hogs. The packers' position in the market was that they are preparing for the winter packing season and expect to get hogs under 9c by November. The big run of light weight hogs was from parts of Kansas and Missouri that are short of corn. Fearing prices would be lower later they shipped all available supplies, regardless of weight. This condition is reported from other markets, and indicates that winter fed hogs may be in a meager supply in the early half of 1917.

Heavy frosts and low temperatures in most of the Western pasture area made the closing date in cattle last week uncertain, and added to the probabilities of an excessive supply for this week. Monday receipts of cattle were more than 38,000, the largest this year, but succeeding days did not show supplies as large as the same days the preceding week and the total supply last week was about 4,000 short of last week. Prices showed a sagging tendency from start to finish, the extreme decline being in common stockers and feeders, some of which cleared late Friday at \$5 to \$5.25, and were fully 50 cents under last week.

Choice to prime corn fat steers and the best heavy grass fat grades were 10 to 15 cents lower and the other killing steers were off 25 to 40 cents. The best fed steers sold at \$10.25 to \$10.75, and heavy grass fat steers up to \$8.75. The bulk of the other killing steers sold at \$6.50 to \$8.

Prices for cows and heifers were off 10 to 25 cents. The medium classes declined the most. Veal calves were off 25 to 50 cents and bulls 10 to 15 cents lower.

More than 41,000 stockers and feeders were sent back to the country last week, 50 per cent of the total receipts of cattle. About 6,000 cattle are held over the week-end. Low prices in the last three days were the cause of the large country shipments. Choice, thin cattle were scarce and only 15 to 25 cents lower. The plain to common grades, which predominated, were 35 to 50 cents lower. The bulk of the sales were at \$5.75 to \$6.75.

Receipts of livestock, with comparisons are here shown:

| | Last week | Preceding week | Year ago |
|--------------------|-----------|----------------|----------|
| Cattle— | | | |
| Kansas City | 32,950 | 86,850 | 66,225 |
| Chicago | 62,100 | 64,000 | 46,000 |
| Five markets | 238,125 | 243,650 | 184,125 |
| Hogs— | | | |
| Kansas City | 61,500 | 48,450 | 38,000 |
| Chicago | 128,000 | 108,000 | 91,000 |
| Five markets | 279,000 | 242,250 | 213,300 |
| Sheep— | | | |
| Kansas City | 75,900 | 71,200 | 49,250 |
| Chicago | 113,000 | 117,000 | 75,000 |
| Five markets | 383,500 | 376,800 | 280,600 |

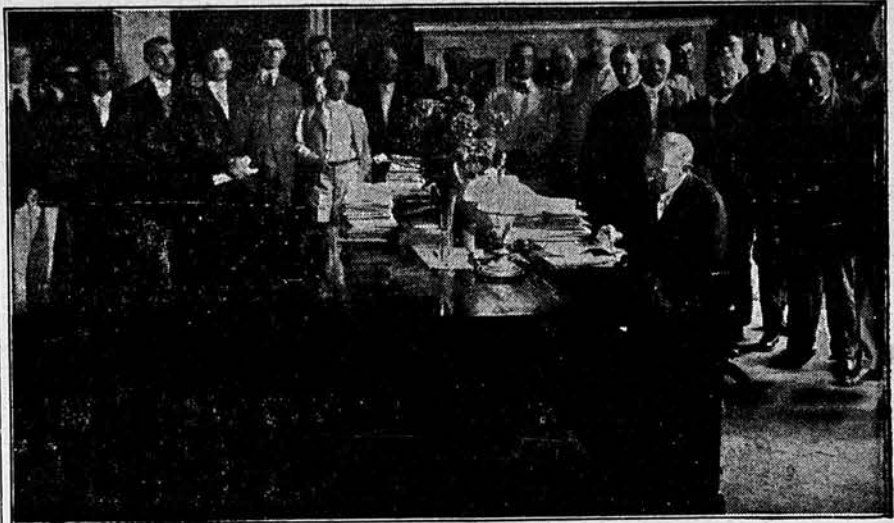
The outstanding feature of the wheat market continues to be the deficient spring wheat movement and the obvious shortage of supplies in the Northwest, and also in Canada. Wheat for December and September delivery rose to new high levels last week mainly on this account, but there are a good many traders who still think it is safer to sell than to buy wheat above \$1.50 a bushel and the market hesitates around the current levels. Closing quotations were about 1½ cents lower than a week ago for December delivery.

The two Northwest markets received 4,327 cars of wheat last week, less than half the movement of a year ago and 35 per cent less than two years ago. The movement included an unusually large proportion of winter wheat and of low grade spring wheat. The big Northwest millers are confronted with the biggest shortage they ever had to contend with. Last week's report of spring wheat flour production was 527,000 barrels by all reporting mills, 30 per cent less than the production a year ago.

Dry weather in important portions of Argentina was one of the sustaining factors in last week's market. A short crop this year in that country will add a good deal to Europe's difficulty in getting a sufficient supply of wheat.

Sustained strength in the cash corn market at its phenomenal high level, despite fairly liberal receipts for this time of year, inspired confidence in December corn quotations, tho the market moved narrowly, closing slightly lower than a week ago, while the September quotations ended with about a cent net gain.

(POLITICAL ADVERTISEMENT.)



President Wilson Signing the Rural Credits Act

President Wilson

**Has Won Real Freedom—
Has Secured Prosperity—**

For the Farmer

The Wilson administration is the first that has dared to make common cause with the farmer against the usurer, the fake middleman, and the other human pests who in the past have grown rich on the fruits of the farmer's toil.

FOR the first time in our national history the farmer has been freed from the domination of the extortioner and slavery to the favored few. Under President Wilson the farmer has been treated as a business man, and accorded his full rights and advantages.

Under the Wilson administration the average annual farm wealth production has been \$10,000,000,000—over a billion dollars more than the best previous showing. And the farmer has enjoyed the financial fruits of his work.

President Wilson Has Maintained Peace With Honor

No greater service has ever been rendered to any country by any man in any time. This alone warrants your supporting him. On the record of his administration's service to you, see what has been accomplished. In brief, here is the record:

1—Appreciation of the importance of agriculture has been shown through greatly and intelligently increased appropriations for its support.

2—Greatly increased provision has been made, through the enactment of the Cooperative Agricultural Extension Act, for conveying agricultural information to farmers and for inducing them to apply it.

3—Through the creation of an Office of Markets and Rural Organization, systematic provision has, for the first time, been made toward the solution of problems in that important half of agriculture which concerns Distribution—marketing, rural finance and rural organization. The appropriations for this Office, including those for enforcing new laws designed to promote better marketing, have been increased to \$1,200,000.

4—The United States Grain Standards Act will secure uniformity in the grading of grain, enable the farmer to obtain fairer prices for his product, and afford him an incentive to raise better grades of grain.

5—The United States Warehouse Act will enable the Department of Agriculture to license bonded warehouses in various states. It will lead to the development of better storage facilities for staple crops and will make possible the issuance of reliable warehouse receipts which will be widely and easily negotiable.

6—The Federal Aid Road Act will conduce to the establishment of more effective highway machinery, stimulate larger production and better marketing, promotes a fuller and more attractive rural life.

7—The Federal Reserve Act benefits the farmer by guaranteeing better banking, safeguarding the credit structure of the country and preventing panics, making larger provision for loans through national banks on farm mortgages and by giving farm paper a maturity period of 6 months.

The Federal Farm Loan Act

8—It was essential, however, that banking machinery be devised which would reach intimately into the rural districts, that it should operate on terms suited to the farmers' needs, and should be under sympathetic management. The need was for machinery which would introduce business methods into farm finance, bring order out of chaos, reduce the cost of handling farm loans, place upon the market mortgages which would be a safe investment for private funds, attract into agricultural operations a fair share of the capital of the nation, and lead to a reduction of interest. These needs and these ideals have been met by the enactment of the Federal Farm Loan Act.

This is not all but it is enough to indicate what has been accomplished.

**That is Why the Farmer Will Vote
To Retain President Wilson In Office**

This advertisement is published and paid for by the Democratic National Committee, 4nd St. Bldg., N. Y.

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 received by the Real Estate Department of 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.

\$15 TO \$30 BUYS BEST wheat land in Gove Co. F. J. Highley, Grainfield, Kan.

FOR SOUTHERN KANSAS land information write Couch Land Co., Anthony, Kan.

160 A. IMPROVED, half cultivated, mile to town, \$5,000. Fred A. Reed, Salina, Kan.

SNAPS, 80 and 160, 3 mi. out; fine imp. Possession. Decker & Booth, Valley Falls, Kan.

PROSPEROUS Meade County. Land, \$12 and up. No trades. J. A. Denslow, Meade, Kan.

MORRIS COUNTY FARMS from \$30 up. Corn, wheat, alfalfa lands. S. L. Karr Real Estate Co., Council Grove, Kan.

CENTRAL and Western Kansas wheat, corn and alfalfa farms; ranches. Exchanges. Write for list. E. G. Howell, Sylvia, Kan.

590 A. HIGHLY IMP. 200 a. bottom cult., bal. fine up land. Force sale; price \$37. Good terms. F. J. Brown, Howard, Kan.

80 ACRES 3 miles town. All good land, 30 acres clover, 6 room house; fair barn. Price \$65 per acre, \$1500.00 cash, rest long time. Casida & Clark, Ottawa, Kansas.

SPECIAL SNAP TWENTY DAYS. Square section improved fine wheat land. \$25 per a. Part terms. 1 mi. Hugoton. Other snaps. Holman, McCoy & Grandy, Hugoton, Kan.

ELLIS CO. has one of the best wheat crops ever known. Lots of wheat will make 40 bu. A great country and we still have cheap land \$15 to \$50. M. L. Stehley, Ellis, Kan.

880 A. 10 mi. town, 40 cultivated; spring water. 80 a. alfalfa land. \$25 per acre. \$5,000 cash, bal. terms to suit. Well improved; some rough land. Western Real Estate Co., Ellis, Kan.

FOR SALE: 80 acres, joins the city of Wichita; all level and every foot alfalfa land. Nothing as good around it at \$200 per acre. Price for a short time only \$125 per acre. There is a mortgage company loan on this, \$5000 long time 6%. Wright & Edminster, 415 Fourth National Bank Bldg., Wichita, Kan.

NESS COUNTY, 6 quarters to sell on "Wheat plan"—80% tillable; good, rich, level wheat land. 240 a. in cult., 8 mi. Ness City, 6 mi. Ransom. Might sell a section without the half. \$21 a. Terms, \$500 per quarter down, bal. all payable from crop, including 6% int. C. F. Edwards, Ness City, Kan.

NESS AND TREGO COS. Land for sale; reasonable prices and terms. Write for list. V. E. West, Ransom, Kansas.

WE OWN 100 FARMS in fertile Pawnee Valley; all smooth alfalfa and wheat land; some good improvements; shallow water. Will sell 80 acres or more. E. E. Fritzel & Sons, Larned, Kansas.

Any Purpose Farm for Sale

190 acres, improved, 50 mi. south of K. C. 6 mi. from station. Phone. R. F. D. 1 mi. to school and church on county road. \$50 per acre. No trades. Write for particulars. Investors L. & A. Co., Opposite P. O., Paola, Kansas.

FERTILE KANSAS LAND CHEAP

Those who located in Central Kansas 20 years ago are the big farmers today. Their land has made them independent.

Your chance now is in the five Southwestern Kansas counties adjacent to the Santa Fe's new line, where good land is still cheap.

With railroad facilities this country is developing fast. Farmers are making good profits on small investments. It is the place today for the man of moderate means.

Wheat, oats, barley, speltz, kafir and broom corn, milo and feterita grow abundantly in the Southwest counties referred to. Chickens, hogs, dairy cows and beef cattle increase your profits.

You can get 160 acres for \$200 to \$300 down, and no further payment on principal for two years, then balance one-eighth of purchase price annually, interest only 6 percent—price \$10 to \$15 an acre.

Write for our book of letters from farmers who are making good there now, also illustrated folder with particulars of our easy-purchase contract. Address

E. T. Cartledge,
Santa Fe Land Improvement Co.,
1891 Santa Fe Bldg., Topeka, Kan.

JEWELL leads all Kansas counties. Choice, well improved, productive farms at \$60 to \$80 per acre. Write for list. The Postlethwaite Inv. Co., Jewell, Kan.

154 ACRES, 2 1/2 miles from town, to be sold at once. Splendid improvements, fine home proposition. Owner says sell immediately. Don't wait to write; get on the train and come. Large list to select from. Mansfield Land Co., Ottawa, Kansas.

SELL LAND AND LOTS AT AUCTION. It is the surest, quickest, most successful method, proven by hundreds of auction sales this season. For terms, etc., write **LAFE BURGER, LAND AUCTIONEER**, Wellington, Kan.

160 ACRES of smooth perfect land, 3 miles from Modoc, 7 miles from Scott City. 110 acres in cultivation, 60 acres of same to go to wheat this fall. Four roomed house, stable, granary, well and windmill, fenced and cross-fenced. Price \$22.50. Possession at once. Come out and see us, if you do not find all land as advertised, we will refund your expenses. The King Realty Co., Scott City, Kan.

NESS CO. WHEAT LAND

Write for free list and county map. Land, \$20 to \$30 a. G. P. Lohnes, Ness City, Kan.

320 Acre Ranch, \$36 Per Acre

320 acres smooth land 5 miles from town; 200 a. fine pasture. Neverfailing water, good large buildings. T. B. Godsey, Emporia, Kan.

80 Acres Only \$250.

Near Wellington; good loam soil; 60 a. cult.; 20 past.; fair house, barn; poss.; 100 hens; only \$250 cash, \$250 Mch. 1, bal. \$500 year. R. M. Mills, Schweiter Bldg., Wichita, Kan.

GOVE COUNTY

this year has produced two million bushels of wheat from one hundred thousand acres. If you want good, rich wheat land at fair prices—\$15 to \$30 per acre—address J. E. Smith, Grainfield, Kan.

SCOTT COUNTY

Level 160, \$10; good 160, \$6.50; improved 640, \$20; improved 160, \$25; improved 320, \$20. Level 160, \$8. Level quarter, \$15. Carry \$1200. R. H. Crabtree, Scott City, Kan.

"LAND, YES"

We sell it in Seward County. Finest quality, \$15.00 per acre. Ask for list. Griffith & Baughman, Liberal, Kan.

NESS COUNTY

Good wheat and alfalfa lands at from \$15 to \$30 per acre. Also some fine stock ranches. Write for price list, county map and literature. Floyd & Floyd, Ness City, Kan.

CHASE CO. STOCK RANCHES

640 a. improved, 2 1/2 miles railroad, 100 a. cult. 50 a. alfalfa. \$40 per a. Send for list. Stock ranches in best county in Kansas. Also alfalfa farms. J. E. Bocook, Cottonwood Falls, Kansas.

4000 ACRES

Smooth level wheat land 2 1/2 miles from town. 3 sets of improvements. Price \$15 per a. 3200 acres shallow water pump land, 3 miles from town; average depth to water, 30 feet. Write for price and detailed description. Terms and acreage to suit purchaser. John Brenemen, Scott City, Kan.

FOR SALE OR EXCHANGE

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

FOR EXCHANGE: 3 flats, rental \$7,000. Leslie Land Co., 315 Ridge Bldg., K. C., Mo.

CASH buyers and trades for properties anywhere. Dunlap System, 504 Victor, K. C., Mo.

160 A. good farm land, about half in meadow and pasture, no rock; lays well; improved; 3 miles from town. Anderson Co., Kan. Will exchange for general merchandise. Price \$12,000; inc. \$3500. Wilson & Ressel Land Co., Colony, Kan.

FOR SALE OR TRADE for Kansas land—Irrigated quarter in San Luis Valley of Colorado. Fenced hog tight; 3 miles from station; in high school district. Raised a \$4,000 grain crop this year. To get proper results owner should live on this land. Am not a farmer and have business in Kansas. Price \$85 per a. E. P. McVey, Sterling, Kan.

FOR SALE OR TRADE for land that suits me, a good lively business; also an automobile. Large barn, 5 lots in a live town. Most all fenced with chicken wire fence. Address G. A. Stiers, Waldo, Kan.

TWO BARGAINS FOR SALE OR TRADE. 120 a. all in alfalfa, 1 mi. Ordway, Colo. \$7,000 of imp's; rents for \$1,200. Telephone exc. North Central Bank, will pay 10% net on \$20,000. Owner, Box 585, Ordway, Colo.

Kansas Stock Ranch

150 miles southwest from Kansas City. 960 acres, 800 acres bluestem pasture and meadow, balance farm land. Neverfailing water, fair improvements, in oil and gas belt. Price \$35 per acre. The Eastern Kansas Land Co., Quenemo, Kan.

ROOKS CO. FARM

160 acres with good 5 room frame house, good barn 30x36, cow stable, cattle shed, 2 chicken houses, corn crib, hog sheds, well with windmill. Buildings in first class condition. 65 acres in cult., 60 a. more tillable land; 85 acres fenced for pasture, bal. used as hay land. School house on farm. Price \$40 per acre; will give good terms. A. L. Graham, Real Estate Dealer, Stockton, Kan.

ARKANSAS

160 A. 5 mi. county seat. All timber. \$750. B. H. Atkinson, Berryville, Ark.

382 ACRES, improved; 100 bottom. \$21 a. Stroud & Benedict, Green Forest, Ark.

120 A. imp. Springs. \$6.50 an a. Terms. John P. Jones, Alpena Pass, Ark.

20 acres joining town; imp. \$1,200. Terms. Progressive Real Estate Co., Heber Spgs. Ark.

FOR SALE. 39 a. 1 1/2 miles out, well imp. 7 a. orchard. Bargain, \$3500. 10 a. tract for auto. Foster & Austin, Gravette, Ark.

265 ACRE stock ranch on Big Creek; good range. Bottom land; two houses. \$10 an acre. L. D. Kennedy, Marshall, Ark.

100 ACRES, 60 cult.; well imp.; springs and well; all fenced; \$1,400, one-half cash. Wallace Realty Co., Leslie, Ark.

COME TO CLEBURNE county, Arkansas. Land \$5 up; easy terms. Send for list. Claude Jones, Heber Springs, Ark.

160 A. 7 miles from Waldron, county seat. 50 a. in cult.; 4 room house, good new barn. Orchard, meadow, plenty timber and water; good schools and churches. \$1,600, half cash, balance 1. 2 and 3 years at 7%. Frank Bates, Owner, Waldron, Ark.

FARM AND RANCH LANDS. Right prices. Also mines and mineral lands. Spring water and healthy. \$5.00 an acre to \$50.00. Ozark Real Estate Co., Everton, Ark.

PERRY COUNTY, ARKANSAS.

A farming district with golden opportunities; IMPROVED FARMS, rich level land, no rock, no overflows; soil that will produce wonderful crops of corn, wheat, oats, clover, and alfalfa at prices ranging from \$15 to \$35 an acre; good terms. Fine crops this season. Come, join a live community. CHAFIN-COLVIN LAND CO., Perry, Ark.

NEBRASKA

BIG RANCH, 5,000 acres, deeded, widow owner; will sell \$11.00 per acre. Terms. Town and irrigation close. Smith's Realty Company, Scottsbluff, Neb.

808,812 BUSHELS OF WHEAT 1915. Free booklet of Cheyenne County, Neb. Greatest wheat section. Land \$10 acre, up. D. R. Jones, Sidney, Neb.

GEORGIA

GO TO SOUTH GEORGIA with us, we will show you a fine general farming, cattle and hog country. Prices \$5.00 to \$10.00 per acre; close to good town. 34 trains daily, on main line of Dixie Highway. Florida climate; land values rapidly advancing; Armour Packing Co. is building packing plant within 40 miles. Write Inter-State Development Co., Searritt Bldg., Kansas City, Mo.

FOR EXCHANGE. Clean stock gents' furnishings; invoice \$2,500. John T. Miller, Junction City, Kan.

GOOD HALF SECTION NEAR LIBERAL TO TRADE.

Nice smooth, dark sandy loam, no improvements, all in grass. Near school. Fine neighborhood. Nine miles from Liberal. Price \$25 per acre. Mortgage \$2100, five years at 6%. Will take good residence in part payment, or other rental property. Must be good condition and clear of debt. Give full description first letter. P. O. Box 158, Liberal, Kansas.

TRADES Farms, property, stocks. Write Ochiltree, St. Joseph, Mo.

NOTICE

I have 6 farms and several rental properties amounting to \$50,000 to trade for a ranch. Also three farms in Eastern Kansas to trade for a hardware store. E. W. Moore, Spearville, Kan.

CORN AND RED CLOVER FARM

179 acres, Polk Co., Mo., 5 1/2 miles from railroad; rural mail, telephone, mile to school; well improved, everlasting water; 150 acres bottom land; 7500 bus. corn this year; income, \$4,000, price \$10,000. Wants Eastern Kansas farm. Harry T. West Realty Co., Bolivar, Missouri.

COLORADO

PROSPEROUS people. Sterling pop. 5,400. Logan County, 15,000. Increasing rapidly. Irrigated farms, rainbelt farms and city property cheap on easy terms to dissolve partnership. Horace Davis, Sterling, Colo.

CHEAPEST choice half section **RELINQUISHMENTS** in Colorado, farm and ranch properties. Terral Land Company, Springfield, Colo.

\$1.00 PER ACRE down buys level valley section. Price \$12.50 per a. King Realty Co., Greeley, Colo.

FOUND—320 ACRE HOMESTEAD in settled neighborhood. Fine farm land; no sand hills. Price \$300, filing fees and all. J. A. Tracy, Ft. Morgan, Colo.

CHEAP FARMS AND RANCHES.

I have the best cheap farms and ranches in the three best counties of East Colorado. Finest climate, soil, water, crops, schools, people, opportunities, the best stock country in the U. S. Write for FACTS and my references. It will pay you. Get my lists. R. T. Cline, Brandon, Colo.

For Exchange or Sale

Stock ranch of 1280 acres of deeded land, one section of leased land, 250 acres in alfalfa, 200 acres of grain land, balance good pasture, running water the year round, close to town and stocked with cattle and horses. Will exchange for good running general stock of goods, or sell on easy terms. Address C. F. Cook, Lamar, Colo.

OKLAHOMA

OKLA. LANDS. 40 to 500 a. tracts. Write for list. Roberts Realty Co., Nowata, Okla.

280 A. imp. bottom farm. Black sandy loam, near R. R. All tillable, running stream, timber, 70 a. in alfalfa. Price \$35 per a. Terms. No trades. W. H. Wilcox, Woodward, Okla.

FOR SALE. Good farm and grazing lands in Northeastern Oklahoma. Write for price list and literature. W. C. Wood, Nowata, Oklahoma.

20 A. 1 MI. CITY LIMITS. McAlester, city of 15,000. 10 a. strictly first class dry bottom land. 8 a. cultivation. \$25 per a. Terms. Fine for vegetables, fruit, poultry. Southern Realty Co., McAlester, Okla.

HERE AGAIN with 160 a. 1 mi. of R. R. station; splendid 7 room house, good barn; nice garage and other outbuildings, 120 in cultivation, fine corn and wheat land. School 1 mile; phone in house. Worth \$6000. Price \$4500. You'll have to hurry. I sold two yesterday. Perry DeFord, Oakwood, Okla.

Dewey, Washington Co., Okla.

Located in a splendid oil, gas and agricultural country. Has two steam railroads, one electric interurban, water works, sewer system, electric lights, natural gas, paved streets, free mail delivery, manufacturing plants, two National banks, splendid schools, the best county fair in the state and three thousand live energetic citizens. Want more folks like those already here. For information, write Joe A. Bartles, Dewey, Okla.

MISSOURI

STOP! LISTEN! 80 acre farm, \$850. Free list. McGrath, Mountain View, Mo.

120 A. IMP. Missouri land, \$1400. Exchanges made. D. Carlisle, Willow Springs, Mo.

HOMES in the Ozarks—an impr. 120, \$600. Write for list. W. T. Elliott, Houston, Mo.

POOR MAN'S CHANCE—\$5 down, \$5 monthly, buys 40 acres good land, near R. R. town; some timber; price \$200. \$10 monthly buys 80 a. Write for list. Box 425-O, Carthage, Mo.

CENTRAL MISSOURI FARMS. Write for descriptive price list. Farms will prove profitable and satisfactory. Hamilton & Crenshaw, Box 7, Fulton, Mo.

IOWA

250 IOWA FARMS for sale. Write the F. L. Jones Land Co., Creston, Iowa.

WISCONSIN

80,000 ACRES our own cut-over lands; good soil, plenty rain, prices right and easy terms to settlers. Write us. Brown Bros. Lbr. Co., Rhinelander, Wis.

FARM LOANS

\$1,000,000.00 TO LOAN on farm, ranch or city property. Wiltse Agency, Lincoln, Neb.

FARM AND CITY MORTGAGES a specialty. Write us if you wish to borrow. Perkins & Co., Lawrence, Kan.

FLORIDA

WE OWN over 40,000 acres in Orange County, Florida, with Orlando as a center, from which we have taken the timber and turpentine, (the purpose for which we bought it). We are now offering these lands to the Colonizer, farmer and investor at very low wholesale prices. These lands are as good as the best in the State for Oranges, Grapefruit, trucking, general farming, cattle, hogs, etc. Address Land Dept. Overstreet Turpentine Co., Orlando, Fla.

FARMERS CLASSIFIED ADVERTISEMENTS

Farmers Mail and Breeze is the greatest classified advertising medium in the farm paper field. It carries the most classified advertising because it gives the best results. The rate is low: 5 cents a word; four or more consecutive insertions 4 1/4 cents a word. Here is a splendid opportunity for selling poultry, livestock, land, seeds and nursery stock, for renting a farm, or securing help or a situation. Write us for proof that it pays. Everybody reads these little ads. Try a classified advertisement now.

POULTRY

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

DUCKS.

FINE LARGE BUFF ORPINGTON drakes. Mrs. T. N. Beckey, Linwood, Kan.

FAWN AND WHITE INDIAN RUNNERS, extra layers, 80c each. Mrs. E. E. Williams, Sabetha, Kan., R. 6.

FAWN AND WHITE INDIAN RUNNER drakes, nicely marked, \$1.25 if taken soon. Mrs. J. F. Romary, Olivet, Kan.

FOR SALE—PEKIN, ROUEN, AND FAWN Indian Runner ducks and drakes from good stock. Mrs. Herman Fairchild, Endicott, Neb.

LEGHORNS.

COCKEREL \$2 FROM (YOUNG'S) \$20 eggs. Elsie Thompson, Mankato, Kan.

200 EARLY SINGLE COMB BROWN LEGHORN pullets 75 cts. P. B. Cole, Sharon, Kan.

FOR SALE—SINGLE COMB BROWN LEGHORN pullets. H. W. Dickson, Quenemo, Kan.

CHOICE WHITE LEGHORN COCKERELS, from prize winning strains \$2.00 each. F. J. S. Miely, Ozawie, Kan.

FOR SALE—PURE BRED SINGLE COMB White Leghorn cockerels. These birds show fine quality and are from great laying strains. \$1.50 each. Walter Prigmore, R. R. 3, Leon, Kan.

ORPINGTONS.

COCK STRAIN S. C. BUFF ORPINGTON cockerels \$1.50, \$2.00. John C. Hough, Wetmore, Kan.

FINE WHITE ORPINGTON COCKERELS—some from winners two to five dollars. Mrs. Helen Lill, Mt. Hope, Kan.

OVERLOOK POULTRY FARM WON ALL 5 firsts on Buff Orpingtons, in the largest class at the Kansas State Fair, Topeka, also all 5 firsts on Black Orpingtons. 50 fine big boned cockerels and 50 pullets for quick sale. Chas. Luengene, Box 149B, Topeka, Kan.

PLYMOUTH ROCKS.

BARRED ROCK COCKERELS \$1 TO \$2. Eldred L. Miely, Larned, Kan.

BIG BONED, FARM RAISED WHITE PLYMOUTH Rock cockerels for sale cheap if ordered soon. Minnie Clark, Haven, Kan.

CLOSING OUT SALE A. H. DUFF'S BIG type Barred Rocks. Account death of Mr. Duff we are closing out entire flock Barred Rocks. Exceptional values in cockerels, pullets, breeding pens. Write for prices quick. Charles Duff, Larned, Kansas.

RHODE ISLAND REDS.

ROSE COMB REDS, COCKERELS \$1.00 TO \$2.00. Pullets \$1.00 to \$1.50. Mrs. J. H. Bundy, Penokee, Kan.

ROSE COMB RED COCKERELS OR PULLETS \$5.00 C. O. D. Suitable for pen use or winter shows. Baldwin Red Farm, Conway, Kan.

FOR SALE—FIFTY FINE ROSE COMB Red pullets from winter laying strains. One dollar each. W. Clyde Wolfe, Ellsworth, Kan.

ONE HUNDRED ROSE COMB RHODE Island Whites, old or young, trios or any way you want them, quick sale prices, some of them prize winners. Mrs. J. M. Post, Colony, Kan.

WYANDOTTES.

SILVER WYANDOTTES. PURE BRED cockerels cheap. Mrs. J. W. Gause, Emporia, Kan.

PARTRIDGE WYANDOTTES, MALES AND females \$2.00 and up. Oscar Huston, La Junta, Colo.

GOLDEN LACED WYANDOTTES, COCKEREL and 12 pullets, \$10.00. D. Lawver, Weir, Kan., Route 3.

ROSE COMB WHITE WYANDOTTE HENS or pullets \$10 per dozen. Mrs. Robt. Greenwade, Blackwell, Okla., R. R. No. 4.

SEVERAL VARIETIES.

SINGLE COMB BROWN LEGHORN AND Buff Orpington cockerels \$1. L. R. Francoeur, Concordia, Kan.

FOR SALE—SINGLE COMB WHITE LEGHORNS, Young hens and cockerels. S. Sp. Hamburgs, M. B. turkeys. Vira Bailey, Kinsley, Kan.

MISCELLANEOUS.

PAYING POULTRY PRICES PUBLISHED in Daily Capital. Write for copy. We loan coops without charge. The Copes, Topeka.

LIVE STOCK

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

FOR SALE—GALLOWAY BULLS. Address Fashion Plate, Silver Lake, Kan.

REGISTERED JERSEY CATTLE. BULLS reasonable. Percy Lill, Mt. Hope, Kan.

FOR SALE—15 GRADE HOLSTEIN COWS, all heavy milkers. C. P. Davis, Lawrence, Kan., R. 1.

WE OFFER A BARGAIN IN FEW HIGH class Jersey Bulls. Chester Thomas, Waterville, Kan.

FOR SALE. TWO EXTRA GOOD REGISTERED Red Polled bulls. Geo. Haas, R. F. D. 6, Lyons, Kan.

14 HEAD YOUNG MULES AT BARGAIN. also 35 head yearling heifers. F. U. Dutton, Penatosa, Kan.

DOYLE PARK SHROPSHIRE—20 BUCK lambs, 7 yearlings and a few ewes, all reg. Homan & Sons, Peabody, Kan.

FOR SALE—20 GOOD REGISTERED Shorthorn cows, 30 early calves, 8 yearling bulls. Frank H. Yeager, Bazaar, Kansas.

FOR SALE—3 REGISTERED SHROPSHIRE rams, also 25 high grade ram lambs 15-16. C. D. Wood & Sons, Elmdale, Kan.

SEVEN REGISTERED HEREFORD BULLS for sale. 7 to 12 mos. Bargain prices. Fred O. Peterson, Lawrence, Kan., R. R. No. 6.

2 REGISTERED HOLSTEIN BULLS for sale. Ready for service. Priced right. Nothing better. W. H. Boughner, Downs, Kan.

FOR SALE—REGISTERED HOLSTEIN herd bull, three years old. Can use him no longer. Will sell him right. A. J. Laird, Miami, Okla.

FOR SALE—FIFTEEN MILK COWS, ONE gave ten thousand pounds milk past eight months. Four pedigree Jersey bull calves from big milkers, twenty-five dollars each. E. V. Fritts, Paola, Kan.

WE OFFER A BARGAIN IN TWO PURE bred, registered Guernsey females, guaranteed sound, young and both in calf. First check for \$225.00 gets them. Robinson & Shultz, Independence, Kan.

FOR SALE—REGISTERED GUERNEYS. I have fifty head and only winter quarters for forty, will sell, yearling heifers and heifer calves, also bull calf and 2 young cows and yearling bull. R. C. Krueger, Burlington, Kan.

SHEPHERD PONIES

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

SHEPHERD PONY 30 DAY BARGAIN sale. Circular free. Wm. Harr, Riverside, Ia.

PET STOCK

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

RABBITS AND WHITE RATS, FINE PETS. Box 66, Plainville, Kan.

SCOTTISH TERRIERS, GREAT RAT, watch, pet, stay home little dog. Price list 5c. Wm. Harr, Riverside, Iowa.

FOR SALE—WELL TRAINED, SMALL game hounds, guaranteed. Puppies from same stock. Willis Leard, Lane, Kansas.

SEEDS AND NURSERIES

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

PLANT THIS FALL—BUY DIRECT, SAVE agent's and middle-man's profits. Big anniversary Fruit Book Free. Wichita Nursery, Wichita, Kan., Box B.

ALFALFA: WE HAVE FINEST KANSAS grown non-irrigated alfalfa seed you have ever seen. It is sound, plump, uniform, and practically 100% germination. Don't try to save a few cents and buy poor seed for you will be loser in the end. We refer you to any bank here, or any commercial agency as to our reliability. This seed is worth \$10.75 per bu., sacks free. Good seed like this will be higher. Better order now. Brooks Wholesale Co., Ft. Scott, Kan.

FARMS WANTED

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

FARMS WANTED—HAVE 7,000 BUYERS; describe your unsold property. 506 Farmers' Exchange, Denver, Colo.

WANTED TO HEAR FROM OWNER OF good farm for sale. State cash price and description. D. F. Bush, Minneapolis, Minn.

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

LANDS

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

40 ACRES 3 MI. TOWN NEAR OIL. \$1600. E. G. Hoffman, Dillon, Kan., R. 1.

FOR SALE: 140 A. FARM, BOTTOM LAND. 130 a. in cult. Price \$8,000, \$2,500 cash. Big bargain. Henry Abt, Medicine Lodge, Kan.

WILL GET YOU CASH FOR YOUR PROPERTY, anykind, anyplace. Have cash buyers. buyers. Stanford's Exchange, Box 108-D, Rulo, Neb.

GOOD FARM FOR SALE—IMPROVED 160 acres near Edna, Labette county, Kansas. Write to owner, Joe Muckenthaler, Paxico, Kansas.

400 ACRE NORTH MISSOURI FARM TO exchange for wheat ranch. Give price and full description first letter. J. H., care of Mail and Breeze.

IRRIGATED RANCH 660 ACRES, CATTLE, horses, wagons, machinery, tools, hay and grain crops. \$19 acre includes everything. Owner R. B. Perkins, Lone Tree, Wyo.

WANTED—FARMS AND RANCHES! OWNERS send description. We have cash buyers on hand. Don't pay commission. Write Up-to-Date Realty Exchange, La Salle, Illinois.

320 ACRES, ALL TILLABLE BLACK LOAM, good wheat land; 60 acres winter wheat goes with place. Only \$9 per acre. Booklet on snaps free. E. Ziegler Realty Co., Oakley, Kan.

A SUBURBAN HOME FOR SALE. 2 ACRES, 5 room house, good barn, 2 chicken houses, some fruit, good well, will sell at a bargain for cash. Address E. J. K., 2511 West 17th, Topeka.

FREE GOVERNMENT LAND. 300,000 acres in Arkansas open for homesteading. Send 50c for revised township map of state and copy Homesteaders Guide. L. E. Moore, Little Rock, Ark.

THIRTY FINE FARMS TEN TO THIRTY per acre, improved. 120 acres improved, a snap, seven per acre. A few farms for trade. Write for my list of Dewey county farms. W. O. See, Leonel, Okla.

SMALL MISSOURI FARM. \$10 CASH AND \$5 monthly; no interest or taxes; highly productive land; close to 3 big markets; write for photographs and full information. Munger, C-142 N. Y. Life Bldg., Kansas City, Mo.

STOCK FARM; 460 A. 250 OPEN; FINE crops; produce over \$5,000.00 this year; 7 sets improvements; 7-room home; big barns; fine grain land; valuable timber; healthy location; \$9,500.00, terms. Bahner & Co., Conway, Ark.

142 A. FOR SALE OR TRADE. WELL timbered, with some improvements. In North Ark. Hogs get fat on mast, and cattle do fine on free range; would trade for Southwest Kansas wheat land. C. E. Robinson, Wirth, Ark.

WANTED TO EXCHANGE A MINNESOTA farm for Kansas or Missouri farm, of about 240 acres. A good residence in Ames, Iowa State College town, for a farm in Missouri or Eastern Kansas. I have a few good quarters in Western Kansas for sale. L. P. Carter, Ames, Iowa.

PROSPERITY IN CANADA—\$900,000.00 in new wealth added in 1915. Enormous crops and low taxation make farmers rich. Wheat average, 36.16 bushels per acre in Alberta. 28.75 bushels per acre in Saskatchewan. 28.50 bushels per acre in Manitoba. Taxes average \$24 and will not exceed \$35 per quarter section, includes all taxes; no taxes on improvements. Free schools and full religious liberty, good climate. Get your farm home from the Canadian Pacific Railway. 20 years to pay. Good land from \$11 to \$30 per acre; irrigated lands from \$35, and the government guarantees your land and water titles. Balance, after first payment, extended over nineteen years, with interest at 6%; privileges of paying in full any time. Before final payment becomes due your farm should have paid for itself. We will lend you up to \$2,000 in improvements in certain districts, with no security other than the land itself. Particulars on request. Ready-made farms for sale. Special easy terms. Loans for livestock. In defined districts, after one year's occupation, under certain conditions, we advance cattle, sheep and hogs to farmers up to a value of \$1,000. We want you; we can afford to help you. We own the land; we want the land cultivated. Our interests are mutual. Buy direct and get your farm home from the Canadian Pacific Railway. Send for free book. J. S. Dennis, Assistant to the President; Canadian Pacific Railway, 14 Ninth Ave., Calgary, Alberta, Canada.

FENCE POSTS

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

FOR SALE: HEDGE, CATALPA AND walnut. Car lots. H. W. Porth, Winfield, Kan.

BEEES AND HONEY

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

ITALIAN BEES FOR SALE. A. H. DUFF, Larned, Kan.

FOR SALE

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

EVERY 40-80 TRACTOR AND PLOWS. J. R. Shidler, Anthony, Kan.

FOR SALE—SMALL FARM TRACTOR \$275. S. B. Vaughan, Newton, Kan.

FOR SALE OR EXCHANGE—COUNTRY store and residence. Henry Page, Budora, Kan.

BIG 4-30x60 GASOLINE TRACTOR. GOOD shape. A bargain. H. Niemoller & Sons, Wakefield, Kansas.

EVERY 12-25 TRACTOR. 4 BOTTOM SELF lift plow for sale. Will trade for stock. Emel Johnson, McPherson, Kan.

FORD LINOLEUM MATS \$1; STATE WHAT model car. Champion X porcelain 55c. T. J. Baeser, 1805 Lami St., St. Louis, Mo.

BIG 4-30-60 GAS TRACTOR WITH PLOWS, run 45 days, good condition, very cheap if sold at once. John E. Carlson, McPherson, Kan., R. 5.

FOR SALE: ONE TWIN INDIAN MOTOR-cycle, 1911 model clutch, good shape. \$25.00 down and \$40.00 C. O. D. Davis & Son, Concordia, Kan.

FOR SALE OR TRADE—HOTEL FURNISHED, good location, good transient trade, close to depot. Everything convenient. Mrs. C. H. Audie, Dorrance, Kan.

FOR EXCHANGE—SEVERAL MODERN residences showing good income in Muskogee, Okla., for desirable farm in Kansas or Nebraska. H. J. King, Muskogee, Okla.

FOR SALE OR TRADE, ONE LOT ON Monroe street south of 13th, will trade for cattle or chickens or both. Dwyer, 309 Lawrence St., Topeka. Phone 2232 Blue.

SALE OR EXCHANGE. TELEPHONE EXCHANGE of 260 phones. Would trade for quarter or extra good eighty, clear. Will give cash price on trade. Elmer Christie, Quenemo, Kan.

FOR SALE—7 ROOM HOUSE, BARN 20x24, buggy shed, chicken house 14x24, good well, and cave, coal house and smoke house, 3 acres, chicken fence. Cheap for cash. O. E. Glogan, Maple Hill, Kan.

GOOD CLEAN STOCK OF HARDWARE, fixtures and implements, for sale or would consider trade for good farm land. Stock will invoice about \$4,000. No old stuff or junk. Address, Lock Box 173, Capron, Okla.

ICE AND ELECTRIC LIGHT AND POWER plant with 20 year franchise, good rates, in growing town in the wheat belt. Owners have other interests and will sell on good terms or exchange for western land. Fred Speakman, Tyrone, Okla.

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 6 1/4 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.

LUMBER

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

LUMBER DIRECT FROM MILL TO THE consumer. Send us your itemized bills for estimate. Mixed cars our specialty. McKee Lumber Co. of Kansas, Emporia, Kan.

CREAM WANTED

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/4 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.

TOBACCO

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

4 LB. PACKAGE FINEST GREEN RIVER Long Green Natural Leaf Tobacco, in the hand, \$1.00 prepaid by parcel post in 1st to 6th zones. Beyond 6th zone 3 lbs. for \$1.00. State whether wanted for chewing or smoking. Satisfaction or money back. Green River Tobacco Co., Box 103, Owensboro, Ky.

FARM WORK WANTED

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

WANTED FARM WORK, AS OVERSEER or helper, by steady and thoroughly experienced married man. Work on small farm, in a religious community, preferred. Correspondence solicited from church-going people. Address L. H., care Mail and Breeze.

PATENTS

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.

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.

PATENTS—WRITE FOR HOW TO OBTAIN A PATENT, list of Patent Buyers and Inventions Wanted. \$1,000,000 in prizes offered for inventions. Send Sketch for free opinion as to patentability. Our Four Books sent free. Patents advertised free. We assist inventors to sell their inventions. Victor J. Evans Co., Patent Attys., 825 Ninth, Washington, D. C.

LIVESTOCK FIRMS

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.

SHIP YOUR LIVE STOCK TO US—COMPEtent men in all departments. Twenty years on this market. Write us about your stock. Stockers and feeders bought on orders. Market information free. Ryan Robinson Com. Co., 425 Live Stock Exchange, Kansas City Stock Yards.

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 NEEDS MEN AND WOMEN over 18, for stationary and traveling positions. Big salaries; new locations. Write, Osment, 302, St. Louis.

THOUSANDS U. S. GOVERNMENT JOBS now open to farmers—Men and women. \$65 to \$150 month. Common education sufficient. Write immediately for list positions easily obtained. Franklin Institute, Dept. P 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.

MOLER BARBER COLLEGE, OLDEST and cheapest. Men wanted. Write for free catalogue. 514 Main St., Kansas City, Mo.

RELIABLE MEN WANTED TO SELL NURSERY STOCK. Permanent employment, payments weekly. F. H. Stannard & Co., Ottowa, Kan.

SALESMEN WANTED FOR FRUIT AND ornamental trees. Experience unnecessary. Outfit free. Pay weekly. Carman Nursery Co., Lawrence, Kan., Dept. A.

NO STRIKE, 8 HOUR DAY. MEN EVERY-where. Firemen, brakemen, baggage men \$120. Colored porters. Experience unnecessary. 796 Railway Bureau, E. St. Louis, Ill.

YOUNG MAN, WOULD YOU ACCEPT A tailor-made suit just for showing it to your friends? Then write Banner Tailoring Co., Dept. 421, Chicago, and get beautiful samples, styles and a wonderful offer.

WANTED 500 SALESMEN TO SELL MAGIC Motor Gas. One quart price \$2.00 equals 50 gallons gasoline. Not a substitute. Greatest product ever discovered. Large profits. Auto Remedy Co., 824 Chestnut, St. Louis, Mo.

WANTED—MEN—RAILWAY TRAIN SER-vices means big money and steady work. Let us help you get on any road you wish. Hundreds placed. No experience necessary. Great opportunity now. Inter Railway, Dept. 115, Indianapolis, Ind.

LEARN THE AUTOMOBILE BUSINESS—We teach chauffeur, mechanics and salesmanship by practical experience with tools. Short time required; diplomas given; satisfaction guaranteed. Positions pay \$100 up monthly. Write for free booklet, "The Way to a Better Job." Wichita Automobile School, 122 N. Lawrence, Wichita, Kan.

MISCELLANEOUS

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.

HEAVES CURED OR MONEY BACK—Baird's Heave Remedy is guaranteed. Write Baird Mfg. Co., Box 302, Purcell, Okla., for particulars.

HORSE OWNERS—GUARANTEED SOUND flesh from my fattening recipe no matter how old the horse. Results guaranteed. Mailed for \$1.00. Charlie Smith, Ardmore, Okla.

DELCO WIRE CUT LINIMENT. CURES wire cuts, wounds, bruises, etc., without leaving a blemish or money refunded. \$1 per bottle postpaid. Send for free sample bottle. Del-Dok Ointment Co., Kingfisher, Okla.

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.

ROCK OF AGES To introduce our Art Pictures we **FREE** will send a lovely colored picture, "Rock of Ages," to all who send us 4c in stamps to cover mailing expense. Address W. W. Rhoads, Mgr., Dept. 20, Topeka, Kan.

FAMILY RECORD To introduce our art pictures we will send a lovely colored Family Record to all who send us 4c in stamps to cover mailing expense. Address W. W. Rhoads, Mgr., Dept. 2, Topeka, Kan.



Smallest Bible on Earth
This Bible is about the size of a postage stamp and is said to bring good luck to the owner. Send free if you send for three months' subscription to our big magazine, HOUSEHOLD, Dept. B 2, Topeka, Kan.

WHAT BREEDERS ARE DOING

FRANK HOWARD,
Manager Livestock Department.

FIELDMEN.

A. B. Hunter, S. W. Kansas and Okla., 128 Grace St., Wichita, Kan.
John W. Johnson, N. Kansas, S. Neb. and Ia. 820 Lincoln St., Topeka, Kan.
Jesse R. Johnson, Nebraska and Iowa. 1937 South 16th St., Lincoln, Neb.
C. H. Hay, S. E. Kan. and Missouri. 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.

Combination Sales.

Nov. 6-11—F. S. Kirk, Mgr., Enid, Okla.
Dec. 11-16—F. S. Kirk, Mgr., Wichita, Kan.
Shetland Ponies.

Oct. 24—W. J. Thompson, Dorchester, Neb.
Percheron Horses.

Feb. 9—Breeders' combination sale, Manhattan, Kan.

Hereford Cattle.

Oct. 24 and 25—W. I. Bowman & Co., Ness City, Kan.

Feb. 24—C. F. Behrent, Norton, Kan.

Holstein Cattle.

Oct. 10—LeRoy Ball, Albion, Neb.

Oct. 11—Henry C. Gillsman, Omaha, Neb.

Oct. 17—T. A. Gierens, Lincoln, Neb.

Oct. 18—Everett Hayes, Keats, Kan.

Oct. 20—E. N. Farnham, Hope, Kan.

Oct. 24—J. J. Ledy, Robinson, Kan.

Oct. 24—J. B. Carlisle, Bradshaw, Neb. Sale at York, Neb.

Nov. 6—E. R. Violet, Altoona, Kan.

Nov. 15—H. L. Cornell, Lincoln, Neb.

Nov. 22—E. S. Engle & Son, Abilene, Kan.

Nov. 23—Ira J. Zercher, Abilene, Kan.

Shorthorn Cattle.

Oct. 20—H. H. Kuper and L. H. Howe, Humboldt, Neb.

Oct. 24—M. W. Babb & Son, Attica, Kan.

Nov. 1—F. W. Wilson, Wellsville, Kan.

Nov. 8—L. Chestnut & Sons, Geneva, Neb.

Nov. 10—S. A. Nelson & Sons, Malcolm, Neb.

Nov. 22—Tomson Brothers, Carbondale and Dover, Kan.

Nov. 23—H. C. Lookabaugh, Watonga, Okla.

Dec. 6—Lock Brothers, Pawnee City, Neb.

Dec. 14-15—Nebraska Shorthorn Breeders' Ass'n, Grand Island, Neb.; Con McCarthy, York, Neb., sale manager.

Dec. 23—B. M. Lyne, Oak Hill, Kan., at Abilene, Kan.

Poland China Hogs.

Oct. 14—T. J. Dawe, Troy, Kan., at St. Joseph, Mo.

Oct. 16—Walter B. Brown, Perry, Kan.

Oct. 18—Fred G. Laptad, Lawrence, Kan.

Oct. 18—R. J. Peckham, Pawnee City, Neb.

Oct. 19—P. M. Anderson, Lathrop, Mo.

Oct. 25—Smith Brothers, Superior, Neb.

Oct. 26—Von Forell Bros., Chester, Neb.

Oct. 27—E. E. Matticks & Son, Spring Ranch, Neb.

Oct. 27—T. E. Durbin, King City, Mo.

Oct. 31—Harry Wales, Peculiar, Mo.

Nov. 2—John Kemmerer, Mankato, Kan.

Nov. 2—Frank J. Rist, Humboldt, Neb.

Nov. 6—A. R. Enos, Ramona, Kan.

Nov. 9—J. M. Lockwood, York, Neb.

Nov. 9—Herman Groninger & Sons, Bendena, Kan.

Nov. 11—S. A. Nelson & Sons, Malcolm, Neb.

Jan. 16—D. C. Lonergan, Florence, Neb.

Feb. 6—Fraser Brothers, Waco, Neb. Sale at Utica, Neb.

Feb. 7—Smith Brothers, Superior, Neb.

Feb. 7—T. F. Walker & Son, Alexandria, Neb.

Feb. 8—Wm. McCurdy & Son, Tobias, Neb.

Feb. 9—Frank J. Rist, Humboldt, Neb.

Feb. 12—W. E. Willey, Steele City, Neb.

Feb. 15—T. W. Cavett, Phillips, Neb. Sale at Aurora, Neb.

Feb. 22—A. J. Erhart & Sons, Ness City, Kan. Sale at Hutchinson, Kan.

Feb. 23—O. B. Clemment, Holton, Kan.

Feb. 24—C. F. Behrent, Norton, Kan.

Feb. 28—John Naiman, Alexandria, Neb.; sale at Fairbury, Neb.

Duroc-Jersey Hogs.

Oct. 16—Proett Bros., Alexandria, Neb.

Oct. 18—Fred G. Laptad, Lawrence, Kan.

Oct. 17—F. J. Moser, Goffs, Kan.

Oct. 18—Phillip Albrecht & Sons, Smith Center, Kan.

Oct. 19—H. A. Deets, Kearney, Neb.

Oct. 20—E. N. Farnham, Hope, Kan.

No. 11—M. M. Hendricks, Falls City, Neb.

Jan. 22—Geo. Briggs & Sons, Clay Center, Neb.

Nov. 2—Lant Bros., Dennis, Kan.

Nov. 3—W. W. Otey & Sons, Winfield, Kan.

Jan. 23—H. A. Deets, Kearney, Neb.

Jan. 31—J. H. Proett & Son and H. J. Natchall & Son, Alexandria, Neb.

Feb. 1—Theo. Foss, Sterling, Neb.

Feb. 7—F. J. Moser, Goffs, Kan.

Feb. 3—Dave Boserger, Cortland, Neb.

Feb. 16—J. C. Boyd & Son and Ira Boyd, Virginia, Neb.

Hampshire Hogs.

Feb. 26—A. H. Lindgren, Jansen, Neb.; sale at Fairbury, Neb.

Feb. 27—Carl Schroeder, Avoca, Neb.

S. W. Kansas and Oklahoma

BY A. B. HUNTER.

M. W. Babb & Son, Attica, Kan., will sell at auction Tuesday, October 24, 48 head of reds, whites and roans, the kind of Shorthorns that have been bred for size, bone and milking qualities. While they appreciate sires got by champions and grand champions and the families that have made history in buying foundation cattle. Stodder, Bellows Brothers and Lookabaugh bred bulls have headed their herd for years and most of this offering is either sired by or bred to Lordsdale, by Lavender Lord, by the great Avondale. He is a massive roan, 3-year-old.

LIVESTOCK AUCTIONEERS.

Hugh B. Huls, Oak Hill, Kan.
Sells livestock, Big farm sales; Real Estate. Address as above.

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

FLOYD YOCUM LIVESTOCK and REAL ESTATE AUCTIONEER ST. JOHN, KAS.

Rule Bros., H. T. & R. D., Ottawa, Kan. Livestock sales a specialty. Write for dates.

Be An Auctioneer

Make from \$10 to \$50 a day. We teach you by correspondence or here in school. Write for big free catalog. We are also starting a new breed of horses known as "Wagon Horses." We register 25 of the best mares in each county. Foundation stock mares to weigh about 1,250 pounds. Stallions must be registered Percherons. **W.B. Carpenter, Pres., Missouri Auction School, 818 Walnut St., Kansas City, Mo.**

HORSES.

For Sale: Home-Bred Stallions \$250 to \$400, except two. Also Draft Mares for sale. **A. LATIMER WILSON, CRESTON, IOWA**

For Sale: Two High Grade Percheron Stallions coming 3 yrs. Wgt. 1800 and 1800 **Fred H. Ott, Holton, Kan.**

SHEEP.

REGISTERED SHROPSHIRE RAMS Yearlings and two, square built, hardy bucks with weight, bone and heavy fleece. Quick shipping facilities and priced cheap. 412 head. Near Kansas City. **Howard Chandler, Charlton, Iowa.**

POLAND CHINA HOGS.

BIG MEDIUM POLANDS The smoothest big ones you ever saw. March boars and gilts at private sale. Prices right. **C. D. CLOSE, GORHAM, KANSAS (Russell County).**

POLAND CHINAS One big type, registered, immune, 18 months old boar. Also several March males. **JESS RICE, ATHOL, KAN.**

The Great Big Ones 40 Poland China Feb. and March boars and gilts. Order early and save money. Write me. **W. A. MCINTOSH, COURTLAND, KANSAS**

Satisfaction or Money Back Big Type Poland China March boars and gilts. Can sell stock not related. Best of big type breeding. Write for special prices. **A. T. GARMAN, COURTLAND, KANSAS.**

FAIRVIEW POLAND CHINAS Our prices on heavy-boned February and March boars, with size, quality and most popular bloodlines, will prove interesting. Write us today. **P. L. WARE & SON, PAOLA, KANSAS**

Albright's Private Sale of more quality, big type Poland China spring boars and gilts is now on. You can't beat my spring boars at the price. Also open gilts. **A. L. Albright, Waterville, Kan.**

Original Big Spotted Polands Spring boars and gilts for sale. Booking orders for fall pigs, pairs and trios not related. **Address ALFRED CARLSON, Cleburne, Kan.**

Regis. Spotted Poland Chinas 16 thrifty, extra choice boars (spring farrow) for sale \$20 each. Also fall pigs, either sex at attractive prices. **CARL F. SMITH, CLEBURNE, KAN.**

Spotted Polands 10 spring boars and two Nov. boars for sale at farmers prices. Also five Eberford bulls from 8 to 15 months old. All stock registered. **C. T. Drumm & Son, Longford, Kansas**

I Ship On Approval Best of big type breeding Poland China boar and gilts no relation; also a fine lot of summer and fall pigs at farmer's prices. Immune and guaranteed every way. **ED. SHEEHY, HUME, MISSOURI**

Nebraska Type Polands 40 Spring Boars sired by four different sires. Pairs not related. 40 Spring Gilts Descriptions guaranteed. **P. O. Oswald, Wisner, Nebraska**

Big Type Polands! Herd headed by the 1020 pound Big Hadley Jr., grand champion at Hutchinson, 1915. Fall boars by Big Hadley Jr. and Young Orphan, by Orphan Big Gun that was 1st in Oklahoma Futurity, 1915. We are booking orders for spring pigs out of our best herd and show sows. **A. J. ERHART & SONS, Ness City, Kan.**

King of Kansas Boars 20 King of Kansas boars (private sale) at farmer's prices. About the same number of gilts. All March farrow and very fine. 75 fall pigs for sale. Bargains! Papers with each pig. Write at once. **J. L. Griffiths, Riley, Kan.**

POLAND CHINA HOGS.

TOWNVIEW FARM

Big Type Herd Boars

10 big, thrifty, winter boars for sale. They have the size and age to go in your herd and make good. All immune and strictly big type breeding. Write for description and prices. **Chas. E. Greene, Peabody, Kans.**

Herd Boars

If you need one it will pay you big to look over my exhibit at Russell County Fair, October 3 to 7.

L. C. WALBRIDGE, RUSSELL, KAN.

Private Sale

March boars by the half ton Hercules 2nd. Choice gilts same age. Summer and fall pigs at bargain prices. Summer pigs ready to ship. Pedigree with each pig. **ANDREW KOSAR, DELPHOS, KAN.**

SPOTTED POLANDS

Private Sale

20 March and April Boars. Also 20 gilts, same age, for sale, bred or open. Pedigrees with each pig. Special prices. **R. H. McCUNE, LONGFORD, KAN., (Clay County)**

Sunflower King

25 Spring Boars, 25 Spring Gilts

by this great boar, at private sale. One litter (March) by Big Bob Wonder. One litter by Gephart. Headquarters for boars and open gilts. Prices will suit. **N. E. COPELAND, WATERVILLE, KAN.**



DOUBLE IMMUNE POLAND BOARS



50 Big March Boars

Sired by Blue Valley, Blue Valley A Wonder and Blue Valley Tim. Largely out of Blue Valley and Blue Valley A Wonder dams. They are the kind that improve the breed. Write for prices and full descriptions. **Thos. F. Walker & Son, Alexandria, Neb.**

In Missouri

The Leading Poland Sales

Oct. 18—O. L. Garrett

15 herd sows, by Big Orange, Big Ben, Fessy's Orange, Blk. Big Bone, Long Jumbo, etc. 10 fall yearling gilts, 9 by Wonder King, 1 by King Joe, 27 spring boars and gilts. All immune. All sows and gilts open. **O. L. GARRETT, REA, MO.**

Oct. 19—P. M. Anderson

50 head of spring boars and gilts. 50 per cent by Iowa King, Mo.'s first prize aged boar, 1915. Others by Superior Jumbo, Mo. Boy, Long Wonder, Boy, King Jumbo and Long Wonder. All are immune. The tops of 85 head. **P. M. ANDERSON, LATHROP, MO.**

Oct. 27—T. E. Durbin

The Old Trusty Herd, carrying more Slevor's Champion blood than any other in the state. 50 boars and gilts by Trusty King, Big Bone Model, Hillcrest Blk. Bone, and Model Big Bone 2nd. A great litter by Grand Master, out of a \$320 sow. **T. E. DURBIN, KING CITY, MO.**

Write for catalogs. Send bids to C. H. Hay, Fieldman.



BERKSHIRE HOGS.

HAZLEWOOD'S BERKSHIRES
Bred gilts all sold. Booking orders for spring pigs. Prices reasonable. W. O. HAZLEWOOD, WICHITA, KANSAS

DUROC-JERSEY HOGS.

IMMUNE DUROCS: Choice fall boars. Best of blood lines, one and two years old. Every animal guaranteed. E. L. HIRSCHLER, Halstead, Kan.

HIGH CLASS DUROCS Spring boars by our herd, also fall boars, by Perfect Col. Grand champion Ill. State Fair. 2 extra good fall boars. R. T. & W. J. Garrett, Steele City, Neb.

DUROC-JERSEYS

For sale: pedigree baby boars old enough to wean. Price \$10.00 per head. WILL ALBIN, Saffordville, Kan.

Woodell's Durocs
Cowley Wonder by Old Beauty's Model Top, Crimmon King by Crimmon Wonder IV; Graduate Col. 2nd by Old Graduate Col. heads this herd. Three as well bred boars as head any herd of Durocs. G. B. Woodell, Winfield, Kan.

15 DUROC-JERSEY BOARS

Good Spring boars, Col. and Crimmon Wonder breeding. Also a herd boar two years old, his sire by King the Col., dam by Crimmon Wonder 3rd. Price \$100.

ARTHUR A. PATTERSON, Ellsworth, Kan.

SCHWAB'S IMMUNE DUROCS

50 BOARS Fall and Summer yearlings and spring boars, the blood of Fals Col. and Buddy K. 4th. Attractive prices. We ship on approval to everybody. GEO. W. SCHWAB, CLAY CENTER, NEBR.

King the Col. Breeding

Booking orders for pigs at weaning time sired by a splendid son of this great sire. Either sex. Ralph P. Wells, Formoso, Kan.

Duroc-Jerseys
Johnson Workman, Russell, Kansas

BONNIE VIEW STOCK FARM
Duroc-Jerseys Bred gilts and spring pigs by A. Critchfield of sows by Grand Champion Tat-A-Walla.

SEARLE & COTTE, BERRYTON, KANSAS

Big Type Herd Boars

25 husky spring boars. Crimmon Wonder, Ill. State Fair, Good Enuff, Golden Model breeding. All immune. Prices right. Descriptions guaranteed. G. M. Shepherd, Lyons, Kan.

GUARANTEED DUROC BOARS

Duroc boars with size, bone and stretch; immune and guaranteed breeders. Shipped to you before you pay. F. C. Crocker, Box B, Filley, Neb.

Trumbo's Duroc Boars

20 big, husky spring boars shipped on approval. Immured by double treatment. Prices, \$15, \$20, \$25. WESLEY W. TRUMBO, PEABODY, KAN.

DUROCS of SIZE and QUALITY

Herd headed by Reed's Gano, first prize boar at three State fairs. Spring boars and gilts, from the champions Defender, Superba, Crimmon Wonder and Golden Mod. JOHN A. REED & SONS, Lyons, Kansas

Private Sale, Boars and Gilts

20 Duroc Jersey boars, March farrow and 15 gilts same age. Priced to sell. Also a choice lot of fall pigs, either sex. Address A. E. Sisco, Topeka, Kan., Phone (3026 Wakarusa)

DUROC BOARS AND GILTS

by five different sires, are on the bargain counter. Pairs not related—herd, boar and herd sow prospects. Also plenty for the farmer and stockman. 49 boars and 62 sows shipped the past 3 months. Write me before buying. J. E. WELLER, FAUCETT, MO.

Bancroft's Durocs

Guaranteed immune. No public sales. Fair private sale. Spring boars and gilts open or will breed to order for spring farrow. Pairs or trios not related. September pigs weaned November 1st.

D. O. Bancroft, Osborne, Kans.

Taylor's World Durocs

The large good kind of spring boars \$25 each. Booking orders for fall weaned boars \$14 and \$15; also sow pigs \$15 and \$16. Prepay express charges anywhere in Missouri, Kansas or Oklahoma. JAMES L. TAYLOR, OLEAN, MILLER CO., MO.

The Home of Fancy Pal.

Boar Sale, Sabetha, Kan., Oct. 17.
Bred Sow Sale, Sabetha, Feb. 7.
Requests for catalogs booked any time. Duroc-Jerseys of merit. All correspondence promptly answered.
F. J. MOSER, GOTFS, KANSAS.

Duroc-Jerseys!

Jones Sells on Approval
This means just what it says.

20 March boars that are outstanding good ones. 30 gilts same age sold open or bred to your order to either of my splendid young herd boars, sons of Orion Cherry King and Illustration 2nd. These boars and gilts shipped on approval.

W. W. Jones, Clay Center, Kan.

(Write for private sale catalog just out.)

weighing over a ton and also sells in the sale. If you want good Shorthorns, write today for catalog, mentioning Farmers Mail and Breeze.—Advertisement.

Hereford Sale at Ness City, Kan.

W. I. Bowman & Co., Ness City, Kan., will sell October 24 and 25, 180 head of Hereford cattle, consisting of 80 cows and heifers and 100 bulls. The bulls will sell 65 in single lots and one carload at private treaty. The females will consist of 36 big, roomy, motherly cows, 30 2-year-old heifers and 12 yearling heifers. The bulls range from 16 to 24 months old and will include the greatest lot of herd bull material, considering number, ever offered at auction in the state. Most of the cows and heifers are in calf and a large part of the younger bulls and heifers are by the splendid sire, Generous, by Generous 5th, tracing twice to Druid and seven times to the noted Don Carlos. If you want the best in Herefords, both in breeding and quality, you will find it here. These 180 head were selected from a herd of over 700 head and if this sale were held in the East or North these cattle would likely sell much higher than you will likely have to pay located as they are in Western Kansas. They are the kind breeders should have and the farmer and ranchman can afford. Write today for catalog, mentioning Farmers Mail and Breeze.—Advertisement.

N. Kansas, S. Nebr. and Ia.

BY JOHN W. JOHNSON.

This is the last call for the Philip Albrecht & Sons sale of high class Duroc Jersey boars at Smith Center, Kan., Wednesday, October 18. Please remember this is an exceptionally choice lot of Duroc Jersey March boars. There are 35 of them and they are big, stretchy fellows that have been well grown and carefully handled. It is the only opportunity in Northwestern Kansas to buy high class Duroc Jersey boars this fall and you should attend this sale at Smith Center. The catalogs are ready to mail. Write for one immediately and plan to go to the sale. Send bids to J. W. Johnson in care of Philip Albrecht & Sons, Smith Center, Kan.—Advertisement.

Money Making Holsteins.

J. J. Ledy, Robinson, Kan., a big Holstein cattle breeder, is dispersing his herd Tuesday, October 24. The half page advertisement of this big sale appears in this issue of the Farmers Mail and Breeze. In addition to being a breeder of Holstein cattle Mr. Ledy has for a number of years been one of the important dairymen of the state and from this herd of high grade and registered Holstein cows he has sold upwards of \$3,000 worth of sweet cream to St. Joe dealers each year. Look up the advertisement in this issue and if you want sure money makers in Holstein cows, either registered or high grade, attend this sale. Write for the catalog and mention the Farmers Mail and Breeze.—Advertisement.

Moser's Good Duroc Offering.

F. J. Moser, Goff, Kan., is advertising his annual Duroc Jersey boar and gilt sale, which will be held in Sabetha, Kan. In the sale will be 32 boars and 11 gilts, all early March farrow. They are extra good and were picked from a spring crop of 125 pigs. Not a single boar has been sold at private sale, but every one of the tops has been reserved for this sale. It is the only sale in Northern Kansas, except the sale of Philip Albrecht & Sons at Smith Center, to be held this fall. Mr. Moser is the owner of the great herd boar, Fancy Pal 169237, and he was the sire of much of the offering. Remember the sale is at Sabetha, Tuesday, October 17. Send bids to J. W. Johnson of the Farmers Mail and Breeze who will attend the sale.—Advertisement.

Blough's Big Bred Boars.

In this issue will be found the advertisement of John Blough, Bushong, Kan. Mr. Blough is a well known big type Poland China breeder and his herd ranks with the best Poland China herds to be found in the West. His prices are always reasonable and nothing is shipped that is not a strictly first class animal from a breeder's standpoint. This season he is offering an exceptionally high class lot of boars, about 20 of them, that he has picked out and is offering at really low prices. He will sell the gilts either open or will hold them and breed them to order. If you want a herd boar that will grow into a big, massive fellow that you won't feel like apologizing for later on write to John Blough, Bushong, Kan., and get a "Blough boar" and you will be more than pleased.—Advertisement.

Holsteins and Spotted Polands.

Everett Hayes, Keats, Kan., is advertising his big high grade Holstein cow sale which will be held in the livestock judging pavilion at the Agricultural college, Manhattan, Kan., Thursday, October 19. Forty-eight head go in the sale, consisting of 20 cows from 4 to 6 years old and 19 2-year-old heifers. The cows and heifers are giving milk at present and will commence to freshen in December. The herd bull will also be sold. Also some choice heifer calves. They are money makers and are all tuberculin tested by the state. Mr. Hayes will also sell 15 Spotted Poland China boars and 10 gilts. They are eligible to registry and breeders everywhere who need boars should attend this sale. They are as good as ever went into any sale ring. Write for the catalog and come to this sale. Bids may be sent to J. W. Johnson in care of Everett Hayes, Keats, Kan.—Advertisement.

Walter Brown's Sale.

Walter B. Brown, Perry, Kan., is advertising his Poland China sale in this issue of the Farmers Mail and Breeze. The sale will be held at Perry, Kan., Monday, October 16, at Mr. Brown's farm joining town. The offering is one of real merit and will consist of three tried sows that are sold as real attractions and for no fault whatever. There will be 14 boars and gilts of December farrow that are decidedly choice and of good size with lots of quality; 22 spring boars and gilts, sired by Miami Chief, King of Kansas and Long King. The December boars and gilts are by Miami Chief. Mr. Brown's herd boar and one of the best all round big type boars in the country. Mr. Brown is not new in the hog business, altho this is his first sale in which he has invited the breeders to come and be convinced

HAMPSHIRE HOGS.

SOLD ON APPROVAL

Choice Hampshire pigs, either sex not related. Special prices for 30 days.

F. B. WEMPE, FRANKFORT, KANSAS

REGISTERED HAMPSHIRE

150 gilts and boars, all ages. Cholera immuned. Satisfaction guaranteed. C. E. LOWRY, Oxford, Kan.

HAMPSHIRE PIGS

The big type—\$10. The best blood lines. R. T. Wright, Grantville, Kansas.

Shaw's Hampshires

150 registered Hampshires, nicely belted, all immuned, double treatment. Special prices on spring pigs. Satisfaction guaranteed.

Walter Shaw, R. 6, Wichita, Kan.

Special Prices on Hampshires

Farmers' Prices on stock registered to you. 20 picked spring boars. Good ones. 25 spring gilts. 3 last fall boars and two good spring yearling boars. Write quick for special prices.

OLSON BROS., ASSARIA, KANSAS

12 Miles South of Salina.

MULE FOOT HOGS.

200 Immune Mulefoot Hogs

all ages, priced to sell. 80 Blk-Type sows, bred to champion boars. Catalog free. C. M. THOMPSON, LETTS, MO.

CHESTER WHITE HOGS.

CHESTER WHITE HOGS

Fashionable breeding. Excellent quality. Prices reasonable. E. E. SMILEY, PERTH, KAN.

50 BIG SMOOTH O.I.C. PIGS

pairs or trios not akin. Prices right. Harry W. Haynes, Grantville, Kan.

O. I. C. HOGS

For sale—Yearling boar, Spring and Summer pigs, bred gilts and tried sows. Priced to sell. A. G. COOK, LURAY, KANSAS

O. I. C. Fall Boars

for sale. Also booking orders for spring pigs, both sexes. Everything immune. Registered free.

F. C. GOOKIN, RUSSELL, KANS.

Kansas Herd of Chester White

Or O. I. C. Swine

Pairs and trios not related. Also big, growthy, boar pigs. Pedigrees with each pig. Priced for quick sales.

Arthur Mosse, Route 5, Leavenworth, Kansas

SILVER-LEAF STOCK FARM

Cholera immune, early spring pigs either sex. Pairs or more not related. A fine bunch of August pigs of popular breeding at \$10 each at weaning time.

Satisfaction guaranteed. C. A. CARY, Route 1, MOUND VALLEY, KAN.

Greiner's Heavy Boned O.I.C.

Choice bred fall gilts, spring boars and gilts, descendants of champions, grand champions and blue ribbon winners. Special prices on fall pigs at weaning age. Write for circular, photos and prices. F. J. GREINER, BILLINGS, MISSOURI

50 Chester White Boars

Early farrow, big and white. Plenty of real herd boars among them. Best of breeding. Buyer must be satisfied or no sale. Also gilts and younger pigs. AMOS TURNER, WILBER, (Saline Co.), NEBR.

CHESTER WHITES

40 March and April boars at a bargain. 100 fall pigs of August and September farrow, 50 each, both sexes, not akin; pedigree with each pig. If you want the best, write quick. WM. BARTLETT, Pierce, Neb.

FEHNER'S HERD OF O. I. C's.

100 head of selected spring pigs. Every one immune and shipped on 10 days approval. Don't buy before convinced of a square deal. Registered free in either O. I. C. or C. W. Ass'n. All ages for sale. Heavy F. Fehner, Higginsville, Mo.

Murry Offers White Boars

10 Fall Boars Prize winning blood and good individual. We ship only the best. Also fall and spring gilts. Sow sale Feb. 15.

40 Spring Boars CHAS. H. MURRY, Friend, Neb.

JERSEY CATTLE.

High Class Jersey Cattle

One 2-year-old registered bull. Four 2-year-old registered heifers. Twenty-four 2-year-old high grade heifers. Ten high grade spring heifer calves. Will sell these cattle worth the money.

F. E. HIPPLE, HUTCHINSON, KANSAS

Registered Percheron and Belgian Stallions

and Mares 39 heavy 3 and 4 yr. stallions, 68 rugged 2 yr. olds. Can spare 25 reg. mares, 24 reg. Belgian stallions. Priced worth the money and you can easily pick what you want from this big bunch. 40 coming 3 yr. stallions running out, priced cheap to sell before time to catch them up this fall. Above Kansas City. 47 trains daily.

FRED CHANDLER RANCH, R. 7, Chariton, Iowa

Norton County Breeders Association

SAMUEL TEAFORD, President

CARL BEHRENT, Secretary

Norton County Fair, August 29, 30, 31, Sept. 1, 1917

H. A. JOHNSON, President

FRED STROHWIG, Secretary

HREFORDS---POLANDS

Grover Mischief, a grandson of Beau Mischief heads herd. 85 spring pigs. A usual cattle and hog sale in February. C. F. Behrent, Oronoque, Kan.

20 Poland China Boars

by Panama Giant by The Giant by Big Ben. Strictly good ones at fair prices. Write at once. Can ship over Rock Island or Burlington. J. F. FOLEY, Oronoque, Kan.

Poland China Pigs

March and April farrow for sale. Pairs and trios not related. Ship over R. I. or Mo. Pac. All immunized. Geo. W. Goodman, Lenora, Kan.

POLANDS PRIVATE SALE

No public sale of 80 Spring boars and gilts and choice brood sows with litters. Farmers prices. PETER LIET, Almena, Kan.

SHORTHORNS

4 yearling bulls, by Pilot, by the 2700 pound Victrolous King. Pioneer, a grandson of Avondale and Whitehall Sultan heads our herd. N. S. LEUSLER & SON, Almena, Kansas.

JERSEY CATTLE.

REGISTERED JERSEY BULL CALVES

sired by Bell's Fern of Hood Farm, \$30.00. Choice Duroc-Jersey Gilts, \$30. Jas. R. Snyder, Box A, Frazer, Mo.

Buy Your Herd Bulls From Us

We have big strong, robust fellows brimming over with type and beauty. We have cows that give 1200 to 1600 lbs. of milk per month. As high as 81 lbs. fat on official test.

J. A. COMP, WHITE CITY, KANSAS

GUERNSEY CATTLE.

For Sale: 3 Registered Guernsey Bulls

Glenwood breeding; 6, 10 and 16 months old. Write for description and photos. John Perrenoud, Humboldt, Kan.

FOR SALE—HIGH GRADE GUERNSEYS

1 bull 2 years old; 2 bull calves; 2 cows in milk; 3 heifers, yearlings; four heifers under year old; three heifer calves. Dr. E. G. L. Harbour, Baldwin, Kansas

GUERNSEY Pure Bred Bulls

Bred up your Herd.

High class young individuals from Wisconsin, with Advanced Register ancestry at bargain prices. A rare opportunity to secure some of the best blood in the Guernsey breed. Tested for tuberculosis and guaranteed as breeders. Send for List.

HELENDALE FARMS, 700 Cedar St., Milwaukee, Wis.

POLLED DURHAM CATTLE.

Double Standard Polled Durhams Young bulls and females for sale. C. M. HOWARD, Hammond, Kansas.

Ed. Stegelin's

Double Standard Polled Durhams

A prize winning herd that has won everywhere again this season. 50 breeding cows in our pastures at home. Young bulls for sale. Address, ED. STEGELIN, STRAIGHT CREEK, KANSAS

RED POLLED CATTLE.

FOSTER'S RED POLLED CATTLE Write for prices on breeding cattle.

C. E. FOSTER, R. R. 4, Eldorado, Kansas.

Red Poll Dispersion!

25 cows with calves at foot by Nov. 1. 8 two-year-old heifers bred. 4 yearling heifers. Nine yearling bulls. Also the herd bull, Gladhand. Sickness in my family compels me to leave the farm. A young herd of real merit. Write at once.

U. E. HUBBLE, STOCKTON, KANSAS.

Morrison's Red Polls

20 cows and heifers for sale. Also a few bulls under one year. Largest herd in the West. The cows are young and very desirable. Nothing better to be had anywhere. Write for prices.

Chas. Morrison & Son, Phillipsburg, Kansas

ABERDEEN ANGUS CATTLE.

Aberdeen Angus Cattle

Herd headed by Louis of Viewpoint 4th, 190624, half brother to the Champion cow of America.

Johnson Workman, Russell, Kan.

Royal Aberdeen

Angus

Breeding and individual merit unexcelled. A few choice cows with calves at foot offered for sale.

Geo. M. McAdam, Holton, Kan.

Note: I also breed Berkshires and nothing better can be found in the West.

HEREFORD CATTLE.

Two Registered Hereford Bulls

for sale. One 4 years old (wt. 1950) and one 2 years old. Also some good Percheron stud colts.
Mora E. Gideon, Emmett, Kansas



HEREFORD FARM

Our Herefords prove profitable in the hands of their purchasers. Best of breeding and individual merit.

T. A. Wallace, Barnes, Kan.

Hereford Bulls

I have for sale 7 head, 7 to 12 months old. Good individuals. Reasonable prices.

FRED O. PETERSON
Rural Route 5, LAWRENCE, KANSAS

SHORTHORN CATTLE.

PURE BRED DAIRY SHORTHORNS

Double Marys (Fleischschaff Strain) and Rose of Sharon Smiller. A nice lot of young bulls for fall and winter trade. R. M. ANDERSON, BELOIT, KANSAS

Scotch and Scotch Tops

24 bulls, 15 of them from 10 to 15 months. Balance 6 to 10 months. Reds and Roans. Half of them pure Scotch. Write for prices and descriptions.

G. F. HART, SUMMERFIELD, KANSAS (Marshall County)

Shorthorn Dispersion
At Private Sale

A nice young herd consisting mostly of females of breeding age. Pure Scotch and Scotch tops. Have sold my farm and changing locations.

Dr. P. C. McCall, Irving, Kan., (Marshall Co.)

Cedarlawn Shorthorns!

Scotch and Scotch Tops

For Sale: 11 bulls, six to 12 months old. Some younger. Also a few choice cows and heifers.

S. B. AMCOATS, CLAY CENTER, KAN.

Village Knight 398231

Three years old, a beautiful roan, weight 2400 pounds. Our herd is small and we are keeping every heifer he has sired. A Scotch bull seldom equaled in breeding and individual merit. Address,

WM. WALES & YOUNG, Osborne, Kansas

Scotch and Scotch Tops

A Choice Lot of Spring
Bulls (Reds and Roans)

Can ship over Rock Island, Union Pacific, Missouri Pacific and Santa Fe. Write me your wants. Address,

C. W. TAYLOR
ABILENE — KANSAS

Thirty Shorthorn
Bulls For Sale

Eight to 10 months old. Half of them Double Standard. A choice lot of youngsters of choice breeding, size and quality. Address

V. A. PLYMAT, Barnard, Kan.
(Mitchell county)

Shorthorns-Private Sale

Herd Established 25 Years.

25 cows and heifers bred to Scottish Buck by Scottish Gloster. 3 yearling bulls and 10 bulls younger. Scottish Buck is a ton bull five years old that is a proven sire of merit. We are keeping all of his heifers and three of his sisters and offer him for sale.

This is a reduction sale because of a shortage of feed and pasture. Everything offered is very desirable. Address

H. C. WILLIAMS & SON, Sylvan Grove, Kansas
(Lincoln county)



FARMERS MAIL & BREEZE
ENGRAVING DEPARTMENT
TOPEKA, KANSAS
CUTS OF YOUR LIVESTOCK FOR
LETTERHEADS & SALE CATALOGS

of the merit of his Polands. Write today for his catalog, mentioning the Farmers Mail and Breeze. Send bids to J. W. Johnson in care of Mr. Brown at Perry, Kan.—Advertisement.

Farnham's Dispersion Sale.

On Friday, October 20, Dr. E. N. Farnham of Hope, Kan., will disperse his herds of Holstein cattle and Duroc Jersey hogs. The Holsteins will include 22 cows that are now giving milk and that will commence to freshen about November 1. They are all bred to Cornucopia Pletertje 2d, a splendid registered bull that will be included in the sale. There will also be some Holstein heifer calves by registered bulls and four purebred Jersey cows. The Duroc Jerseys will include two good herd boars, two March boars, six choice sows—four with litters at side—and spring gilts. Note Dr. Farnham's advertisement in this issue and write him for catalog. Please mention Farmers Mail and Breeze.—Advertisement.

Dawe's Choice Polands.

In this issue will be found the advertisement of T. J. Dawe's public sale of 60 Poland China boars and gilts. Mr. Dawe is the well known Poland China breeder at Troy, Kan. The sale will be held in the livestock pavilion at South St. Joseph, Mo., to better accommodate those from a distance. The offering is certainly one of great merit. There will be 35 March boars of the big, stretchy kind that carry plenty of quality and their 25 sisters are certainly ideal prospects for big, prolific sows. About two-thirds of the offering was sired by Giant Lawson, by Long King's Equal, out of a great sow by A. Wonder. The rest was sired by Big Buck, the great 2-year-old boar that Mr. Dawe exhibited last season. He was sired by Buckaneer, by Panorama, by old Expansion. The dams of this great offering are splendid individuals and of the best big type breeding. Send bids to J. W. Johnson in care of T. J. Dawe, Troy, Kan. Kindly mention this paper when asking for catalog.—Advertisement.

Nebraska and Iowa

BY JESSE R. JOHNSON.

J. M. Lockwood of York, Neb., asks us to claim November 9 as the date for his big Poland China sale. Mr. Lockwood will sell all of his choice spring boars and gilts in this sale. They are of the biggest strains and have quality along with size.—Advertisement.

The Glissman Holstein Sale.

Remember the Glissman Holstein cattle sale to be held at South Omaha, Wednesday, October 11. The offering of 135 head is first class and should interest buyers that are in the market for good ones.—Advertisement.

Thompson's Pony Sale.

W. J. Thompson, the big Shetland pony specialist of Dorchester, Neb., is advertising a big sale to be held at his home town on Tuesday, October 24. He has picked out about 50 mighty choice ones from his herd of 300 and will sell them on the above date. They are nicely colored, kind and gentle and well broke. Write for illustrated catalog and mention this paper.—Advertisement.

Working Holsteins at Auction.

The announcement of J. B. Carlisle's dispersion Holstein sale to be held in York, Neb., October 24, should interest a big lot of our readers. Mr. Carlisle has one of the great herds of the West from the standpoint of production. The cow illustrated in the advertising gave 13,500 pounds of milk in 830 milkings. Everything to be sold is practically purebred, but only a part of them can be recorded. All are by registered bulls and bred to registered bulls. The herd bull is a richly bred A. R. O. bull. All of the cows that have freshened have official records made by the Central Nebraska Cow Testing association. Everything is tuberculin tested and all have nice colors and good level udders. Write for catalog giving individual tests. Mention this paper when writing.—Advertisement.

Poland China Sale.

Von Forell Brothers, Chester, Neb., breeders of registered Poland China hogs, announce a public sale to be held at the farm on Thursday, October 26. They have a splendid line up of spring and fall boars and gilts. Among the attractions will be the line bred Expansion herd boar Superb Expansion, a sire of great merit, and a March boar by Fesenmeyer's A. Wonder, out of A. Big Joe dam. Most of the spring pigs were sired by the herd boars Jumbo Chief, Superb Expansion, and Crescent Jumbo, by Mouw's Big Jumbo. The fall gilts are by Jumbo Chief Jr., another big boar of great blood lines. The catalog gives information and descriptive footnotes. Write for it and mention this paper. Buyers from the South will find free entertainment at the Rock Island house in Belleville, Kan., and free transportation will be provided from there and back again. Parties interested may either attend in person or send bids to Jesse Johnson in our care.—Advertisement.

Peckham's Poland China Sale.

R. J. Peckham, the old time Poland China breeder of Pawnee City, Neb., announces a sale for October 18. The sale will be held on the farm about 5 miles Southeast of town and the usual good bunch of spring pigs will be sold. The 55 head to be sold were all sired by Jumbo Wilkes, a big, smooth boar that combines the blood of the Wilkes and Big Bone families. They are out of sows sired by the great breeding boar Goldust Hadley. Mr. Peckham has been in the Poland business for a long time and has always raised most of his own breeding stock. He has used judgment in mating and feeding and this year's crop of pigs shows that wonderful uniformity only possible where this is done. For full particulars about the offering and sale write Mr. Peckham for catalog and mention this paper. Bids may be sent to the writer in Mr. Peckham's care at Pawnee City, Neb.—Advertisement.

Smith's Annual Poland Sale.

Smith Brothers (formerly Albert Smith & Sons) of Superior, Neb., will hold their annual fall boar and gilt sale at the farm near Superior and Cadams, Neb., on Wednesday, October 25. The offering of 60 head will be good as the Smiths' offerings always

HOLSTEIN CATTLE.

Holstein Heifers to Freshen Soon

One yearling bull, one eight months and one three. All registered. BEN SCHNEIDER, Nortonville, Kan.

For Sale or Trade:—A Young Holstein Bull

9 months old, 800 lbs. Sire, Butter Boy King; dams first calf. Dam produced average of 35 lbs. butter per month since coming fresh. J. R. COLLINS, SOLOMON, KANSAS

BRAEBURN HOLSTEINS

A. R. O. bull calves always for sale; just now a few cows to make the herd. H. B. Cowles, Topeka, Kan.

Iowana De Cola Walker Heads Herd

besides having some fine record sisters on his sire's side; has an \$12.25 lb. of 80¢ butter record dam, and his dam has two sisters with 515.3 lbs. and 594.2 lbs. made as senior three year and Tredico Farm, Route 3, Kingman, Kan.

Montgomery County
Holstein Friesian Association

Young stock for sale. T. M. EWING, Sec., Independence, Kan.

Registered Holstein Bulls

One 9-months-old bull by Canary Butter Boy King and out of a 20 lb. dam. Others younger. Write for further information and prices. Dr. Schuyler Nichols, Herington, Kan.

HOLSTEIN CALVES

High grade Holstein calves either sex 3 to 4 weeks old from good milking strains of grade Holstein cows \$20 each. We pay the express. Burr Oak Farm, Whitewater, Wis.

Sunflower Herd of Holsteins

Bulls of serviceable ages from 29 lb. sires, bull calves by 30 lb. sires and A. R. O. dams. Cows and heifers due this fall by 29 and 33 lb. sires. All good stuff, tuberculin tested. F. J. Searle, Oskaloosa, Kan.

BONNIE BRAE HOLSTEINS

A choice bunch of high grade 2 and 3 year old heifers coming fresh. Also a few young cows and one well bred registered bull, old enough for light service.

IRA ROMIG, STA. B, TOPEKA, KANSAS



TORREY'S HOLSTEINS

Cows and heifers, young springing cows well marked and exceptionally fine; also springing and bred heifers and registered bulls. See this herd before you buy. Wire, phone or write.

O. E. TORREY, Towanda, Kan.

J. H. LEE, V. Pres. of Harveyville State Bank; E. W. LEE at Farm; DR. J. W. COOK, Expert Judge of the Dairy Cow.

250—HOLSTEIN COWS—250

You are invited to look over our herd of Holsteins before you buy. We have 200 high grade cows and heifers and a lot of registered bulls to go with them.

Three Cows and a Registered Bull \$325 50 cows in milk and 100 mature, high grade cows and 50 heifers to freshen before October 15. Come and see our cattle. Bring your dairy expert along. The quality of the cows and our prices will make it easy for us to trade. Come soon and get choice. Well marked heifer and bull calves, \$22.50 each, delivered to any express office in Kansas. Send bank draft, or post office money order.

LEE BROS. & COOK, HARVEYVILLE, KANSAS

40 Head High-Grade 2 yr. old
Holstein Heifers For Sale

every one a good one, due to freshen early this fall; bred to a pure bred Holstein bull; sold under a positive guarantee to be just as represented, or animal returned and money refunded. See photograph of Canary Butter Boy King, the bull that stamps superiority on every calf that he sires. He is the herd sire at the Maplewood Farm. We have five young bulls for sale, nearly ready for service. Come or send your order at once.

W. H. MOTT, HERINGTON, KANSAS



Clyde Girod, At the Farm.

F. W. Robison, Cashier Towanda State Bank.

Holstein Friesian Farm, Towanda, Kan.

Pure Bred Holsteins, all ages, strong in the blood of the leading sires of today, headed by Oak De Kol Bessie Ormsby 156788. Special offering in choice young purebred bulls, ready for service, from tested dams. Let us furnish you a bull and improve your herd. TWENTY-FIVE purebred females, young useful Holsteins with A. R. O. records from 12 to 26 lbs. butter in seven days.

BEFORE YOU BUY, TALK WITH US

We have an especially large, choice selection of extra high grade young cows and heifers due to freshen this fall and early winter, all in calf to purebred bulls. These females are large, deep bodied, heavy producers, with large udders, all well marked individuals and the right dairy type. Our offerings are at prices that challenge comparison for Holsteins of their breeding and quality. High grade heifer calves \$25. Send draft for number wanted. Let us know what you want in Holsteins, and we will be pleased to send you descriptions, and prices. Keep us in mind before purchasing. Wire, write or phone us.

GIROD & ROBISON, Towanda, Kansas

HOLSTEIN COWS
and HEIFERS

I have for sale a very choice lot of springing cows, heifers and bred heifers. They were personally selected from the very best dairy herds of the east.

In selecting them special attention was given to size, color, markings and milk production. I do not think you can find anywhere a larger or better herd to make your selection from than you will find here; all are

BRED TO PURE BRED BULLS

of the very best families. I also have some good registered bulls for sale. If you want Holsteins, and will come to see my herd you can find what you want and at very reasonable prices. Write, phone or wire.

J. C. ROBISON, Box A, TOWANDA, KANSAS

are. A couple of big, fall boars, 38 spring boars, and 20 choice gilts, picked out from about 60, make up the offering. Quite a percent of the offering was sired by Amazon Ben, by Big Ben Amazon, and Giant Wonder, a son of Excellent Wonder out of a Giantess dam. Others are by Jumbo Jr. The offering is especially uniform. Many of them are out of dams by Big Ben Amazon, with the blood of Smith's Big Hadley further back. Parties attending sale can stop at Goodhue Hotel at Superior or The Cadams hotel, Cadams, where they will be met and taken to farm. Write for catalog giving all information and if interested and unable to attend send bids to Jesse Johnson in care of Smith Brothers.—Advertisement.

Buy Herd Boars Here.

Readers of this paper who are in the market for Duroc Jersey herd boars of great individuality will be interested in the H. A. Deets sale to be held at Kearney, Neb., October 19. Of the 40 big, cherry red, immune spring boars to be sold nearly 30 were sired by Deets' Illustrator 2d, the greatest and highest priced son of Illustrator 2d. No boar of the breed in Nebraska or any adjoining state has a better right to the consideration of the best breeders, weighing 830 pounds in his yearling form over a 9 inch bone and the very best of feet he stands the equal of any boar of the breed in the West. Few boars within the past 20 years have demonstrated so thoroughly their ability to sire both boars and gilts so true to the Illustrator type. They are all good and the reader of this paper in the market for a real herd boar should investigate further. The Deets sow herd carries the blood of most of the boars that have made history for the past few years. Included will be three March boars sired by Illustrator, the noted brother to Illustrator 2d and uncle to Deets' Illustrator. They are extra good and out of a richly bred dam. Write for catalog quick, it tells all about every pig cataloged. Mention this paper. If you can't come send bids to Jesse Johnson in my care.—Advertisement.

Kuper's Annual Shorthorn Sale.

H. H. Kuper, one of Nebraska's best known Shorthorn breeders, is making his annual fall sale at Humboldt, Neb., Friday, October 20, and L. H. Howe of the same place is dispersing his entire herd. Forty-five head of very choice young cattle will be sold, largely the get of the two great breeding bulls imported Scottish Sentinel and Imported Stowan Star. These bulls were in service in the Kuper herd for about nine years and the Howe herd was established with stock from this herd. The writer has heard the remark made that there was no better place to buy cattle than at Mr. Kuper's sale and the reason was given that they were always sold in ordinary flesh. This year they are much better conditioned than they usually are but they are being sold without a bit of fitting right off the grass but in nice form. Over two-thirds of the offering will have straight Scotch pedigrees and the others from six to eight Scotch crosses. The heifers are especially choice. They are mostly by Scottish Sentinel and those old enough will be bred to the young herd bulls, one a son of the noted Villager and the other a son of Scottish Sentinel out of an imported dam. The cows offered are young and useful and all of them have splendid udders, most of them are by Stowan Star. Most of them will be bred to Scottish Sentinel. About 15 of them will have calves at foot and bred again. The young bulls are choice individuals and ready for service. Mr. Kuper has issued a catalog that gives all information. It is free for the asking. Write for it and mention this paper.—Advertisement.

S. E. Kan. and Missouri

BY C. H. HAY.

On Wednesday, October 18, F. G. Laptad will sell at Laptad's Stock Farm near Lawrence, Kan., 50 head of registered hogs. The offering will include 25 Poland Chinas and 25 Duroc Jerseys; 25 boars and 25 gilts. This is Mr. Laptad's semi-annual sale. Everything is immune and in first class condition. Write him today for catalog and mention this paper.—Advertisement.

Poland China Dispersion.

O. L. Garrett, Rea, Mo., will hold a dispersion sale of his splendid herd of Poland Chinas October 18. There will be 15 tried sows of good ages (nothing old), by such boars as Big Orange, Big Ben, Fessey's Orange, Black Big Bone, Long Jumbo and others. The 10 fall yearling gilts, 9 by one of the best of sires, Wonder King, and one by the \$1,250 King Joe, are the kind that everyone will want. The balance of the offering will be spring pigs. They are out of the above mentioned sows and by such sires as Smooth Big Joe, Wonder King, Fessey's Timm and Smooth Columbus. Write for catalog and send all bids to C. H. Hay, fieldman for the Farmers Mail and Breeze.—Advertisement.

P. M. Anderson's Poland Sale.

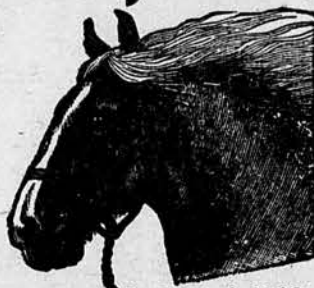
One of the top offerings of the state of Missouri this fall will be that of P. M. Anderson of Lathrop. This event will take place October 19. Fifty head of early spring boars and gilts will constitute the offering. The larger portion of which is sired by the 1915 first prize aged boar Iowa King. The balance are sired by Superior Jumbo, Mo. Boy, Long Wonder Boy, King Jumbo and Long Wonder. Every one cataloged is a first class individual, all are immune and guaranteed breeders. Lathrop is easily reached from Kansas points. Splendid railroad service from both St. Joseph and Kansas City. Write Mr. Anderson for catalog and arrange to be with us sale day.—Advertisement.

The Old Trusty Sale.

Perhaps it would be more appropriate to term this The Trusty King Sale, for without this wonderful boar Mr. Durbin could not possibly have made the progress he has in the past 18 months. It is a combination of the great sire, the superior type of sows, good care and feed that enables Mr. Durbin to have his offering just a little bigger and better in every way than a great many other breeders. What do you think of a litter of eight farrowed April 14 that at 140 days old weighed 170 pounds each? This litter is sired by Trusty King and out of Big Bob's Model, by Big Bob. This is just a sample of the many sensations you will find in this sale. Write today for catalog.—Advertisement.

4,000—Horses—4,000 At Auction

Miles City, Montana
October 9-10-11-12,
and October 30-31



The Miles City Horse Sale Company Will Finish the Season of 1916
With Two Big Auction Sales in October

We will have at these two sales more than 4,000 Horses, Mares and Mules, of all grades, types and kinds; War Horses—English, French and Italian Specifications; Broke Horses, weighing from 950 to 1,500 pounds; Good Rugged Feeders; Draft Mares with Colts by side old enough to wean; out of Imported sires, will be sold in small bunches and car lots; Big boned yearlings, two and three year olds, that grow into the Market Horse later on; plenty medium size Range Horses, Mules, broke and unbroke, from yearlings to six years old. We have more grass and fat Horses than was ever known in the Northwest.

Come to the Largest Horse Market in the Northwest and be convinced that this is the place to buy the stock that will suit your Market. Remember we never postpone a sale and always have the horses. Don't forget the dates—October 9, 10, 11, 12, and October 30, 31, 1916.

Miles City Horse Sale Company

COL. C. N. MOORE, Auctioneer

GUY CRANDALL, Manager

Philip Albrecht & Sons' Annual Duroc-Jersey Boar Sale

Everything Immune Smith Center, Kan., Oct. 18

35 March boars, sired by Golden Wonder 155313 and Tip Top Chief 190437. The 35 March boars in this sale are big thrifty fellows and the tops of a much larger number raised this season. They are out of big, prolific sows and sired by two of as good boars as will be found in the West. It is a strong offering of picked boars, every one of which is a herd header prospect. The Albrechts have bought liberally from prominent herds, among them the Waltmeyer herd in Iowa. If you want a real herd boar prospect with size and quality, that is right every way attend this sale. Send bids to J. W. Johnson in care of the Albrechts. Write for a catalog today.

PHILIP ALBRECHT & SONS, SMITH CENTER, KANS.

John Brennen, Auctioneer. J. W. Johnson, Fieldman.

High Producing Holsteins

At Auction

Sale Pavilion
York, Neb., Oct. 24



This cow gave 13,500 lbs. of milk at 830 milkings in one year.

49 head of registered and high grade cows and heifers and my recorded herd bull.

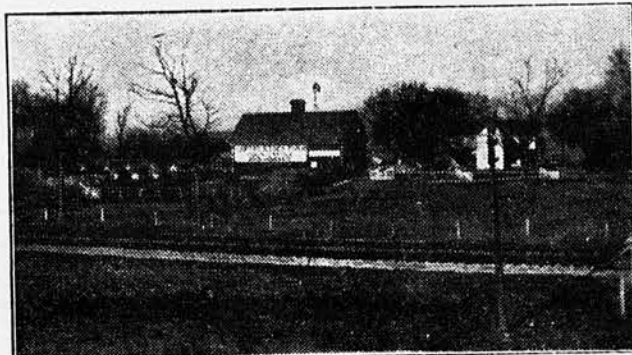
They are all tuberculin tested, Nebraska grown and all old enough to be fresh have official records of from 7,000 to 13,000 lbs. of milk annually, test from 2.08 to 4.06. 25 head average 3.06. Included are cows that have made as high as 438 pounds butter fat with first calf.

Write for catalog and mention this paper.

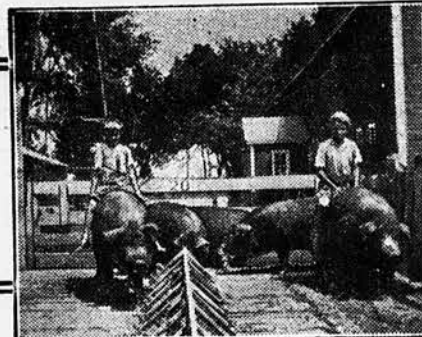
J. B. CARLISLE
Bradshaw, Nebraska

Auctioneer, A. W. Thompson.

Laptad Stock Farm Semi-Annual Hog Sale Everything Immune Lawrence, Kan., Oct. 18, 1916



Laptad Stock Farm



Herd Headers

50—HEAD—50

25 Poland China and 25 Duroc-Jersey
25 Boars and 25 Sows

Send For Illustrated Catalogue. Oct. 18, 1916
Come to the Sale, Rain or Shine.

Address FRED G. LAPTAD, Box 10, Lawrence, Kan.

Auctioneers, Rule Bros., Ottawa, Kan.

Clerk, Merchants Nat. Bank.

Fieldman, C. H. Hay.

FancyPal 169237

Annual Duroc-Jersey Boar and Gilt Sale

From High View Stock Farm, Goff, Kansas
Sabetha, Kans., Tuesday, Oct. 17

The offering numbers 43 head in all. 32 boars and 11 gilts, all of early spring farrow and the actual tops of 125 spring pigs. All sired by **Fancy Pal** and **Crimson Ruler 161141**. The sows in the herd are all big, prolific sows and of the best of blood lines. This is indeed a "classy" offering of big, well grown boars and gilts and if you need a herd boar here is your opportunity to buy breeding and individuals to match it.

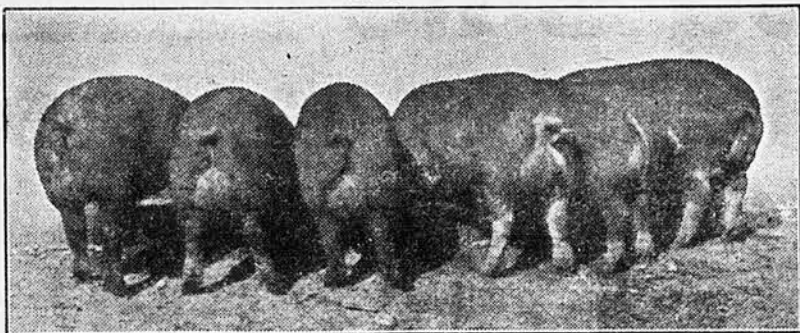
Write for a catalog which is ready to mail now. Send bids to J. W. Johnson, of the Farmers Mail and Breeze, to Goff, Kan., in care of F. J. Moser. For a catalog address

F. J. Moser, Goff, Kansas

Jas. T. McCulloch, Auctioneer. J. W. Johnson, Fieldman.

Annual Immune Poland China Sale

At Farm Near
Superior and Cadams, Nebraska
Wednesday, October 25



60 HEAD The kind we have been selling for many years **60**

2 Fall Yearling Boars. 38 Spring Boars. 20 Top Spring Gilts.

Sired by our herd boars Amazon Ben, Jumbo Jr., and Giant Wonder. Three boars that combine the breeding of the best hogs of the breed. They are out of our big sows backed up by the breeding of Smith's Big Hadley, Big Ben Amazon and other boars that have been factors in building up the herd. This offering is the equal of any we have ever sold. They are the tops from two herds and just the good ones are selling. Parties attending sale stop at old Goodhue Hotel at Superior or Cadams house at Cadams. Free transportation from either place. Write early for catalog and mention this paper. If unable to attend send bids to Mr. Johnson in our care.

SMITH BROS., Superior, Neb.

FORMERLY ALBERT SMITH & SONS

A. W. Thompson, Auct. Jesse Johnson, Fieldman.

VonForell Bros., sell Polands the day after at Chester, Neb. Plan to attend both sales.

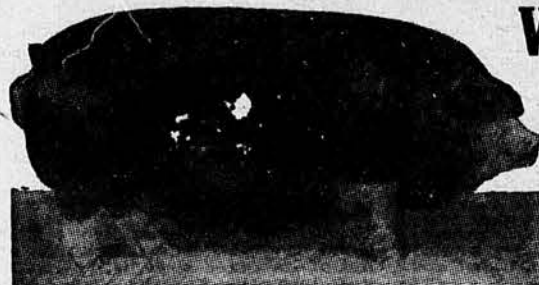
**BALDWIN
DUROCS**

Open gilts \$20, or for \$30 will keep and breed to "Graduate Prince", our new herd boar that has won as many State Fair prizes and sired as many prize winners as any boar in the state. Weight 900. Call and see him. Service boars \$25. Some extra choice baby boars at \$12.50, sired by "Model Top Again," a prize winner at both the Kan. State fairs last year. Order now. \$100 takes the pick of our baby Shorthorn bulls. R. W. BALDWIN, Conway, Kan.

Peckham's Big Polands At Auction

At farm near Pawnee City, Nebraska

Wed., Oct. 18



55 Early Spring farrow by **JUMBO WILKES**
30 big well grown, heavy boned boars, ready for hard service

25 Gilts, strong backs, long bodied and motherly looking.

Out of sows that were sired by Goldust Hadley and tracing back through the greatest line of breeding known. Write for catalog, giving all information. Parties unable to be present may send bids to Jesse Johnson in my care.

R. J. Peckham, Pawnee City, Nebraska

Auctioneer—Col. Nate Leonard. Fieldman—Jesse Johnson.

E. N. FARNHAM'S DISPERSION

Entire herd of Holsteins
Entire herd of Duroc-Jerseys
Hope, Kan., Friday, October 20

22 high grade Holstein cows giving milk and commencing to freshen in November, some choice heifer calves by registered bulls, and four purebred Jersey cows, eligible to registry. The Holstein cows are all bred to the registered bull, **Cornucopia Pietertje 2nd (161683)**, a great two-year-old bull, included in the sale. This herd is a member of the Dickinson County Pioneer Cow Testing Association. This dispersion is made necessary because the man in charge at the farm is moving to Oklahoma. The sale follows the Everett Hayes sale of Holsteins, at Manhattan on the 19th, and can be reached from Manhattan conveniently.

Duroc Jerseys: Included in the Duroc Jersey offering are two great herd boars, **Taylor's Model Chief 126455** and **Prince of Col. Wonder 160997**. Also two March boars that are great. Six herd sows, all of them young and in their prime and of the best of breeding and individual merit. Four of them with September litters. Three of the sows are three years old and by **Col. Wonder**, the grand champion. One bred by Briggs & Son and sired by **Crimson Wonder 4th**.

Hill Crest Farm of 80 acres one mile and a half from town will also be offered. 23 acres alfalfa and balance in wheat. A model dairy farm. Write for catalog.

DR. E. N. FARNHAM, HOPE, KANSAS

Auctioneers—Jas. T. McCulloch, W. C. Curphey, H. C. Lackey and A. L. Reed. Fieldman—J. W. Johnson.

Thompson's Second Annual Shetland Pony Sale

Dorchester, Nebraska
Tuesday, October 24th

Sale opens at 12 o'clock sharp, regardless of weather conditions.

50 HEAD of Choice Ponies, Selected from Our Herd of 300 Head **50**

Make The Kiddies Happy

Send for our free catalog today; address

W. J. Thompson, Dorchester, Neb.

Auctioneers—J. C. Price and W. H. Thompson.

Big Utility Polands At Auction

At farm near

Chester, Neb., Thursday, Oct. 26



Some of the Boars We are Offering.

45 Head of Carefully Selected and Immune Polands

30 boars of March farrow. 1 fall yearling. 1 two year old boar. 6 fall gilts. 6 spring gilts.

The spring pigs are sired by JUMBO CHIEF JR. 68533, SUPERB EXPANSION 78843, and Crescent Jumbo. Fall gilts by Jumbo Chief Jr. We are selling the good breeding boar, SUPERB EXPANSION. Also one March boar sired by Fesenmeyer's A WONDER, dam by BIG JOE.

The dams of offering are representatives of best families. Write for catalog and mention this paper. If you can't attend send sealed bids to Mr. Johnson in our care at Chester, Neb.

Free transportation from Rock Island Hotel at Belleville, Kan., and Chester Hotel, Chester, Neb.

Von Forell Bros., Chester, Neb.

Aucts., J. C. Price, E. Von Forell. Fieldman, Jesse Johnson. Smith Bros. sell Polands the day before at Superior and Matticks & Son the day after at Spring Ranch. Better attend all three sales.

Walter B. Brown's Poland China Sale

At His Farm Joining Town

Perry, Kan., Monday, Oct. 16

20 Boars and 20 Sows, as follows:

Three tried sows of proven value, one fall boar by Chief Miami, 14 December boars and gilts, and 22 boars and gilts of spring farrow, sired by Miami Chief, King of Kansas and Long King. Everything is immune and has been carefully handled and will prove one of the real opportunities of the season to buy herd header material or sows and gilts to strengthen your herd. Catalogs are ready to mail. Write for one and mention the Farmers Mail and Breeze when you write. Address

Walter B. Brown, Perry, Kan.

Auctioneers: Jas. T. McCulloch, H. V. Stone.
J. W. Johnson, Fieldman.

Shorthorns At Auction Attica, Kan., Tuesday, October 24

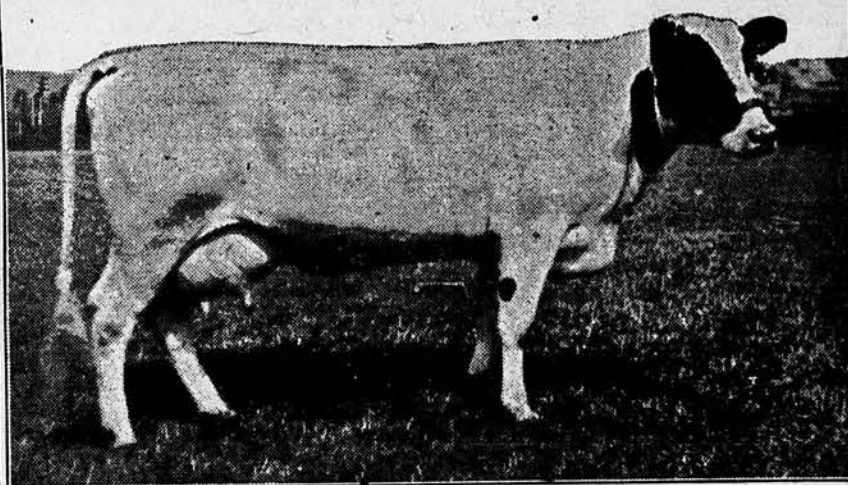
44—Reds, Whites and Roans—44

8 Bulls from herd headers to the farmer's kind, 6 to 16 months old.
20 Cows and heifers with calf at foot or showing in calf.
15 Yearling Heifers.
Milking strain, bone and size has been our object in herd cow selection. Lord's Dale, the three-year-old ton grandson of Avondale also sells in this sale.

Most of the younger things are sired by and the cows and heifers are bred to this good grandson of Avondale. Others are by King of Hearts, by Secret Archer and Silver Hampton, a grandson of the grand champion Hampton's Best. You will find in this offering, big, broad, outstanding cows and these young bulls from herd headers down are the kind you will like. Send your name today for catalog. Address

M. W. BABB & SON, Attica, Kansas

Auctioneers—J. D. Snyder and S. J. Davis. Fieldman—A. B. Hunter.
Note: Forty purebred Poland Chinas sell in the forenoon.



High Grade HOLSTEINS At Auction

The sale will be held in the Livestock Judging Pavilion at the Agricultural College.

Manhattan, Kan., Thursday, Oct. 19

48 head of cows and heifers. 20 cows from four to six years old and a number of the are 50 pounds of milk per day cows and one has given as much as 56 pounds in a day. There are 19 two-year-old heifers and all of the cows and heifers are giving milk now and will commence to freshen in December. There will be included in the sale eight choice heifer calves. Also a choice herd bull. The entire offering has recently been tuberculin tested by the state. This is a valuable offering of working Holstein cows and heifers and we can prove their value to you sale day as we have been selling sweet cream from these cows all summer.

SPOTTED POLAND CHINAS

Included in the sale are 15 March boars and 10 March gilts sired by Kansas Chief 73918. They are as choice as will be seen this season. They are big fellows out of big litters. Every boar or gilt will be sold with a pedigree and the foundation of my herd came from the best Spotted Poland China herds in the country. You can't beat these boars and gilts for size and quality. They are exceptionally well spotted. Send bids to J. W. Johnson in my care at Keats. Write today for catalog.

Everett Hayes, Keats, Kan.

Auctioneers: L. R. Brady, Jas. T. McCulloch. Fieldman: J. W. Johnson.

135 REGISTERED AND HIGH GRADE Holstein-Friesians 135 AT AUCTION

South Omaha, Nebr., Wednesday, Oct. 11

The offering consists of the following: 25 high class, registered females from calves to mature cows; 10 cracking good bulls, nearly all ready for service. These registered cattle are several small herds that are being sold in their entirety.

The high grades include 30 heavy milking cows 3 to 7 years old, all fresh or springing to freshen soon. 45 heifers due with their first calves this fall and winter. A high class lot of young dairy matrons. 25 heifers and heifer calves from a month to two years old. All animals over 6 months old will be tuberculin tested and ready to ship anywhere.

Send for catalog, and arrange to be there.

Henry C. Glissman, Station B, Omaha, Neb.

1870

Pioneer Stud Farm

Established 1870

50 Registered Stallions and Mares

If you are in the market for a good Percheron stallion or mare now is the time. We can show you more bone, size, action and conformation than you will see elsewhere. Write or come today.

C. W. Lamer & Son, Salina, Kan.

1916



H. B. LAMER



C. W. LAMER

FOURTH ANNUAL W. I. Bowman & Co. Hereford Sale

Ness City, Kansas

Tuesday and Wednesday, October 24 and 25

180 Head

38 Cows

30 Two-Year-Old Heifers

12 Yearling Heifers

Selected with regard to Size, Bone and Quality



180 Head

100 Bulls, 16 to 24 mos. old

65 sold in single lots

One car load at private treaty.

The Wide Out, Low Down, Good Boned, Easy Feeding Kind.

These cattle carry the best blood of the breed. The cows are the large, roomy, motherly type that furnish plenty of milk. They carry the blood of Gladwyne, by Sailor, by Acrobat; College Militant, by Militant, by Beau Brummel, with a mingling of the blood of other sires such as Hesiod, The Grove 3rd, Garfield, Lord Wilton, etc.

GENEROUS, BY GENEROUS 5TH, IS A PROVEN SIRE and will show in this offering a splendid lot of young bulls, herd headers. A nice lot of his heifers in calf to Lawrence Fairfax, by the champion, Perfection Fairfax, also sell. We have never before offered such a choice lot of cattle. They have been selected for their size, bone and quality and ability to reproduce. Have been raised under western ranch conditions but good enough for the best breeder and will likely sell where the farmer and ranchman can afford to buy. All are alike invited. Write today for catalog. Address

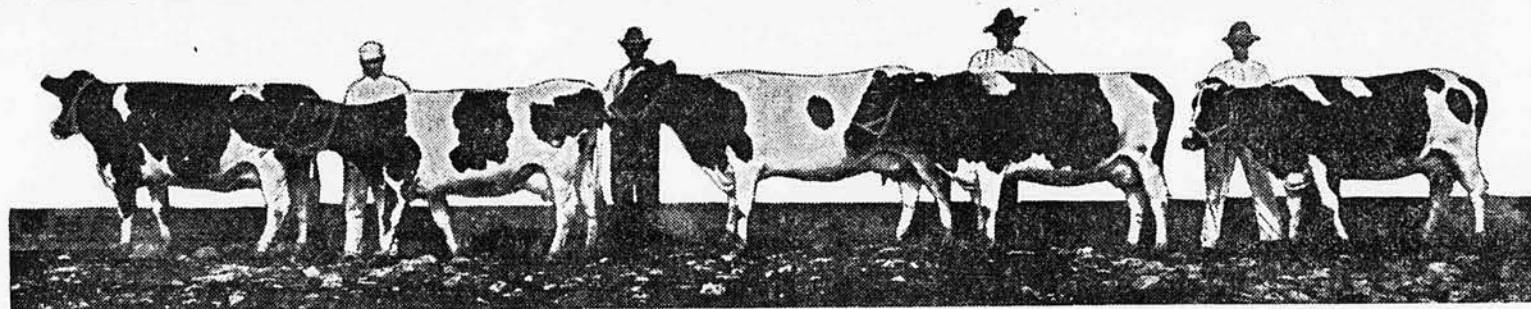
W. I. BOWMAN & CO., Ness City, Kansas

Auctioneers: Cols. Reppert, Kramer, Clouston. Fieldman, A. B. Hunter. NOTE: Trains also met at Ransom, on Missouri Pacific.

J. J. Leidy's Dispersion of Registered and High Grade Holstein Cattle

83 Head go in this dispersion sale and it is very likely the strongest offering of working Holsteins ever made in the state.

At the Farm Near Robinson, Kan., Tuesday, Oct. 24



Mr. Leidy's Dairy Barn and Group of Holsteins.

All but one or two in this sale were bred by Mr. Leidy, who has bred Holsteins on this farm for 15 years.

For several years he has shipped yearly \$3,000 worth of sweet cream to St. Joe for local consumption.

Every animal will be sold with a certificate of health from a deputy from the State Livestock Commissioner's office.

36 of the 40 cows are being milked now and are giving 110 gallons of milk per day.

The "Cream Check" adds to the prosperity of Kansas Farmers.

The sale will be held rain or shine under a big tent and free autos will take visitors from Robinson to the farm and return in the evening. Robinson is 30 miles west of St. Joe on the Grand Island R. R. and ten miles east of Hiawatha.

The 83 head in this big closing out sale consist of 40 cows and 12 two-year-old heifers that will freshen soon. Also eight yearling heifers and 20 heifer calves from three to 12 months old. Also two pure bred bull calves sired by Cornucopia Pontiac Wayne, the herd bull, who is a grandson of Pontiac Corndyke and a son of Cornucopia Pontiac Corndyke, a brother to the sire of K. P. Pontiac Lass, the first 44 pound cow. The cows and heifers are bred to him. The 20 heifer calves are by him.

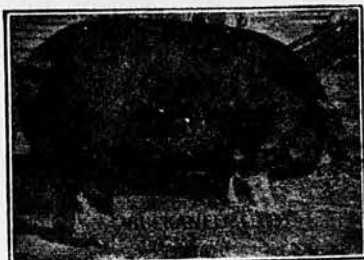
This bull is included in the sale and is not related to the six registered cows in the sale. Catalogs ready to mail. Address

J. J. LEIDY, Robinson, Kan.

Auctioneers: Col. C. M. Scott, Col. Chas. Foster. J. W. Johnson, Fieldman. 125 head of high grade hogs will be sold.

(Mention the Farmers Mail and Breeze when writing for a catalog.)

Big Buckaneer Immune Poland China Sale



Spring Ranch, Neb.,
Friday, October 27

65 HEAD
of Early Spring Pigs—All by the
1000 lb. Prize Winner Buckaneer.

45 February and March boars, tops from sixty head.

20 February and March gilts, tops from eighty head.

Dams of offering are big, mature sows, sired by **MATTICK'S KING**, my former big boar combining the blood of Sampson and Long King. This offering has lots of quality, is well grown and will please those looking for the big, smooth sort. Remember **BUCKANEER** won second in class last year and did the same this year at Lincoln in the strongest class of aged boars ever shown at that fair.

Write for catalog and mention this paper. If you can't come send bids to Mr. Johnson in my care. Free entertainment and transportation from Spring Ranch, Deweese, and Fairfield, Neb.

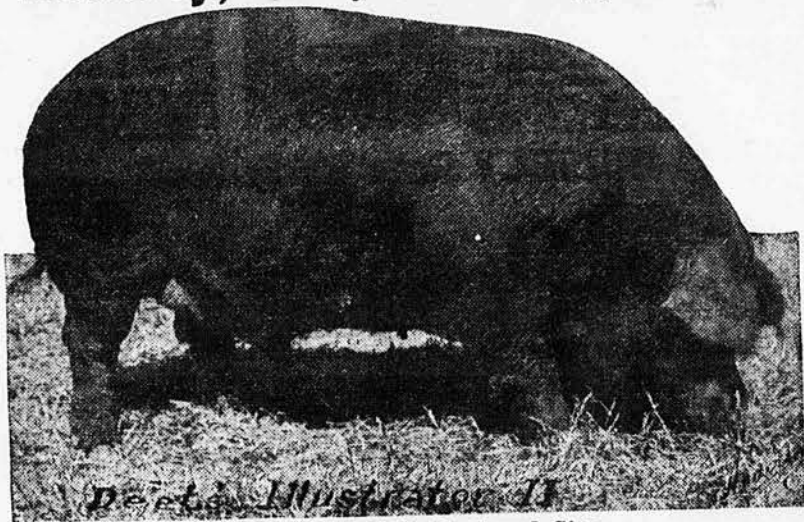
Von Forell Bros. sell Polands day before at Chester, Neb.

E. E. MATTICKS & SON
Spring Ranch, Nebraska

Col. Arthur Thompson, Auct. Jesse Johnson, Fieldman.

Deets' Illustrator 2nd Duroc-Jersey Sale

Kearney, Neb., Thursday, Oct. 19



Right as an Individual and Sire.

40 Immune Spring Boars Mostly by the 830 lb. Deets' Illustrator 2d

They are all immune and big, growthy red fellows, among them herd boar material. Included are three sired by the \$1800 Illustrator and out of a richly bred dam, bought last spring at a long price. **DEETS' ILLUSTRATOR** is an outstanding boar both as an individual and sire. Every pig on the farm stands up strong and there is not a bad foot on the place. This offering is out of a great line of dams that carry the best of breeding. Write for catalog, it gives all information. Mention this paper when writing. Everything free but the hogs.

H. A. DEETS, Kearney, Neb.

Auct., A. W. Thompson.
Jesse Johnson will represent this paper. Send him bids in our care at Kearney.

Combination Shorthorn Cattle Sale

At Sale Pavilion, Humboldt, Neb.,
Friday, October 20, 1916



45 HEAD OF STRAIGHT SCOTCH AND
SCOTCH TOPPED YOUNG CATTLE **45**

15 cows with calves at foot and all bred again.

5 choice young bulls old enough for service.

25 choice heifers in age from 12 to 24 months.

About six of them two year olds.

Most of the heifers are the get of the great breeding bull, Imported **Scottish Sentinel** and most of the cows were sired by Imported **Strowan Star**. The cows are bred to Scottish Sentinel and the heifers to a son of **Villager** and **Nonpareil Sentinel**, a son of Scottish Sentinel and out of Imp. **College Nonpareil**. Mr. Howe is dispersing and Mr. Kuper has never before offered a like number of richly bred, well conditioned cattle at auction. They are good enough to go in any herd in the land. Write for catalog and mention this paper.

H. H. KUPER, Humboldt, Nebraska

L. H. HOWE, Humboldt, Nebraska

H. S. Duncan, Auct. Jesse Johnson, Fieldman.

T. J. Dawe's Big Type, Big Litter Poland China Boar and Gilt Sale

at the Livestock Pavilion

So. St. Joseph, Mo., Saturday, Oct. 14

60 head of richly bred, carefully fed and conditioned boars and gilts. 35 March boars among which will be found most excellent herd boar material. 25 March gilts that can't be duplicated as brood sow prospects.

Two-thirds of the offering by **Giant Lawson**, by Long King's Equal and out of an A Wonder dam. The rest by **Big Buck** (last season's show winner), by Buckaneer, by Panorama, by old Expansion.

Mr. Dawe, who lives near Troy, Kan., where he has bred Polands for years, is selling in South St. Joe to better accommodate his friends in R. R. facilities. Catalogs ready to mail. Send bids to J. W. or J. R. Johnson, in care of

T. J. DAWE, Troy, Kansas

Auctioneers: Col. Jas. Sparks, Col. L. R. Hamilton.
(Mention the Farmers Mail and Breeze when you ask for catalog.)

"THE GREAT PRICE WRECKERS"

NOW Is The Time To Build Or Improve!

Get These
FREE
Books To-day

You Can Buy a Car-load of Lumber or Building Material from Us Without Paying a Cent in Advance.

**CHICAGO HOUSE
WRECKING CO.**

Our Binding Guarantee Absolutely Protects You. Money Will Be Promptly Refunded if You Are Dissatisfied.

24 Years of Honest Public Dealing

THIS enormous business, with a capital of \$10,000,000.00 and satisfied customers in practically every township in the United States, was founded in 1892 on a new idea—to buy and sell nothing but bargains! From that day to this—24 years of honest public dealing—we have never swerved a hair's breadth from our original plan and purpose. Each year has marked our steady growth in power to serve our growing host of regular customers. Each year our growing financial strength—our increasing cash buying power—has brought us added ability to control the sources of those tremendous bargains that have made our name famous from ocean to ocean.

TODAY we are recognized as the leading "spot cash" buyers of brand new desirable merchandise at forced sales. Big manufacturers and merchants, seeking a quick outlet for surplus stocks, naturally turn to us for the ready cash. Their loss means your gain! We have our pick and choice at Sheriff's and Receivers' Sales, Big Auction Events and Exposition Sales. And we sell as we buy—nothing but quality goods at unmatched bargain prices. Direct dealing with us means more than just a big money-saving—it means guaranteed satisfaction as to quality, prompt shipments and the fair, "square deal" treatment that has been the corner-stone of our business for the past quarter century.

LUMBER AND MILLWORK BARGAINS!



HARRIS HOME DC-118
\$817 Size 24x38 feet, seven rooms, bath and store room. An ideal cottage or country home. Built many times at a tremendous saving. Material sensibly cut-to-fit—no waste. Price includes all lumber, millwork, glazed sash and doors, shingles, sheet metal, nails, rough and finishing hardware—ready for plaster. Only one of more than 100 Modern American Harris Homes.

MAIL COUPON FOR Our New FREE \$10,000 Book of Plans!

Wire Nails

100 lbs. **\$1.90**
Standard Wire Nails in 100 lb. kegs. Sizes from 8d to 20d mixed. Order No. **\$1.90**
DC-30 Price **\$1.20**

For 8d Wire Nails, Order No. **\$2.65**
DC-40. Per 100 pounds
For 10d Wire Nails, Order No. **\$2.60**
DC-50. Per 100 pounds

Best Mixed Paint

\$1.27 Per Gallon
Harris high grade ready mixed house paint. Best formula on the market. Fewer gallons wear longer than any other. For House Paint, Order No. **\$1.27**
100, per gallon
For Best Barn Paint, Order DC-110, per gal. **64c**

Our special Fall "Clean-up" Lumber Bargain Price List, now ready, shows the biggest money-savings we have ever offered in good lumber for every building purpose. Mail the Coupon now! If you expect to build or improve a home, barn or farm structure of any kind, this Fall, it will pay you BIG to write at once for our wonderful FREE Building Material Book containing hundreds of tremendous bargains in Lumber and Millwork, only a few items of which we can show here. We have constantly available for quick delivery over 20,000,000 feet of brand new, high grade material in our yards here at Chicago. To reduce freight expense to the lowest possible charge we are equipped to make shipments direct to you from our main headquarters at Chicago, Washington and Jackson, Miss., depending on your location. This freight saving means many dollars of your money saved.

Hundreds of Other Big "Snaps" Like These

| | | | | |
|---|--|---|---|--|
| 98c buys this good substantial pine door; 1 1/2 in. thick, painted or unpainted | 90c buys good fire window frames. All other sizes and styles priced proportionately low. | 38c buys 4-light glazed barn sash. Every desired size priced proportionately low. | 58c for this 2-light white pine glazed window. Any other size priced proportionately low. | \$2.50 for this clear fir glazed heavy front door; 1 1/2 in. thick. Other doors at like savings. |
|---|--|---|---|--|

ROOFING! Prices W-r-e-c-k-e-d!

Get Our Low Freight Paid Prices
A rough sketch of your building showing the size of the roof, length of rafters, etc., is all we need to figure the amount of roofing you require. Mention the kind of roofing you wish and we can then give you our low freight prepaid prices delivered to your station. We can show you bigger money savings now than ever before.
FREE! New Roofing Book No. DC 57.
We mail you free of cost, the most complete book of Roofing, Siding and Ceiling ever published. Shows you how to lay roofing by simple directions and easily understood diagrams. It gives our complete quotations on conductor pipe, eave trough and all roofing sundries. Ask for our FREE Roofing Book DC-57.

AJAX
38¢
PER ROLL

Galvanized
\$2.50
Per Square



HARRIS BARN DC-220
\$433 This Harris Barn is one of many up-to-date designs shown in the Harris Barn Book. Built time and again at a great saving. Contains every feature that experience has proved desirable in modern barn construction. Interior arrangement can easily be made a model of convenience—space saving and economy of labor in housing and feeding stock.

MAIL COUPON FOR Our FREE Model Barn Plan Book!



Galvanized Fence
20c per Rod
Hog Fence. Barbed Wire bottom. Order No. **\$2.50**
7 wire high, stays 6 in. apart. No. 11 gauge carbon wire top. No. 14 gauge intermediate line and stay wires.
Tubular Posts With Adjustable Clamps
Pointed Drive Metallic Painted Tubular Posts. Made of 2 in. tubing. Finest grade of charcoal iron, covered with a heavy coat of mineral black paint, which adds to the appearance and life of the post as well. Order No. **\$1.80**
Other sizes 54, 60, 72, 78 and 84 in. long, with necessary clamps, just as low. Special prices in carload lots.



Watts Corn Sheller
Complete, as shown with cob stacker and elevator. Light and easy running. Shells any kind of corn. Cap. 75 to 100 bushels per hour. Order No. **\$19.50**
170. Now only **\$19.50**



Rumely Feed Mills
Can't be beat for sturdiness, economy and simplicity. Special built a feature of grinding. Coarse, medium or fine. Order No. **\$12.65**
180. For 8 in. **\$12.65**
Price now **\$12.65**
10 and 12 in. sizes priced just as low.



Advance Ensilage Cutter
A powerful machine of enormous capacity. 10 to 20 tons per hour. Cuts any kind of silage as fast as you can feed it. Order **\$110.00**
No. DC-200. Price **\$110.00**
Other sizes proportionately low.



Rumely-Olds Engines
Greatest engine values ever offered. All sizes from 3hp to 65hp. Order No. **\$44.00**
DC-190. For 8hp at **\$44.00**
our special price of **\$44.00**
Can attached kerosene burners.



Adams Corn-Husker
A "one man" machine. Husks for one cent per bushel. Cap. 20 bushels per hour. Elevates to highest mow. Order No. **\$84.00**
Price now **\$84.00**

40 Acres of Bargains Like These—Mail Coupon Today!

Heating Plants \$55
Install your heating plant now while material is plentiful and prices very low. Our experts give you complete simple instructions. Put your own plant in. Warm Air—\$55. Steam—\$134. Hot Water—\$154. Mail coupon for free Heating Book No. DC-144 now.

Enameled Tub \$16.50
Best White Enameled Cast Iron One-Piece Heavy Roll Rim Bath Tub 5 ft. long. Latest style nickel-plated trimmings—Fuller Double bath cocks for hot and cold water, nickel-plated connected waste, overflow and supply pipes. Order No. **\$16.50**
230. Price **\$16.50**

Hog Troughs \$1.25 5 Feet Long
Strong durable troughs for hogs and cattle. Heavy galvanized and conveyance of all liquids. Sizes 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100. Order No. **\$1.25**
240. For troughs 5 ft. long, 12 in. wide, **\$1.25**
cap. 10 gals., each **\$1.25**
6 for **\$6.90**

Pipe-Fittings 4c PER FOOT
Good iron pipe in random lengths, complete with couplings, suitable for gas, oil, water and conveyance of all liquids. Sizes 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 3 1/2, 4, 4 1/2, 5, 6, 8, 10, 12, 14, 16, 18, 20, 24, 28, 30, 36, 42, 48, 54, 60, 72, 84, 96, 108, 120, 144, 168, 192, 216, 240, 270, 300, 360, 420, 480, 540, 600, 660, 720, 780, 840, 900, 960, 1020, 1080, 1140, 1200, 1260, 1320, 1380, 1440, 1500, 1560, 1620, 1680, 1740, 1800, 1860, 1920, 1980, 2040, 2100, 2160, 2220, 2280, 2340, 2400, 2460, 2520, 2580, 2640, 2700, 2760, 2820, 2880, 2940, 3000, 3060, 3120, 3180, 3240, 3300, 3360, 3420, 3480, 3540, 3600, 3660, 3720, 3780, 3840, 3900, 3960, 4020, 4080, 4140, 4200, 4260, 4320, 4380, 4440, 4500, 4560, 4620, 4680, 4740, 4800, 4860, 4920, 4980, 5040, 5100, 5160, 5220, 5280, 5340, 5400, 5460, 5520, 5580, 5640, 5700, 5760, 5820, 5880, 5940, 6000, 6060, 6120, 6180, 6240, 6300, 6360, 6420, 6480, 6540, 6600, 6660, 6720, 6780, 6840, 6900, 6960, 7020, 7080, 7140, 7200, 7260, 7320, 7380, 7440, 7500, 7560, 7620, 7680, 7740, 7800, 7860, 7920, 7980, 8040, 8100, 8160, 8220, 8280, 8340, 8400, 8460, 8520, 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