

February 17, 1917

The

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# FARMERS MAIL

## AND BREEZE

### Poultry Clubs for Girls

By Mary Catherine Williams, Secretary

FIVE hundred farm girls in Kansas are going to make some money this year. Nobody knows yet how much it will be—maybe only a few dollars and maybe more than \$100—that part depends on the girls and how good business women they prove themselves to be. But whether it is much or whether it is little, it will be their very own money to put into the bank, or take a trip somewhere, or spend for a year away at school, or for new clothes or anything they please. Who are these 500 girls? Well, nobody knows their names yet, but it is more than likely that one of the number is you. There is a chance for five girls between 10 and 18 years old in every county in Kansas and those five will be the ones who have spirit and determination and pluck to get into the game at the very first and send in their applications to the Capper Poultry Club before anybody else beats them to it.

There, you've guessed already how you are going to make that money. From chickens, of course, the best and surest means of money making for farm women and girls that ever was invented. This is the chance the girls have been waiting for ever since the Capper Pig club was organized for boys. It really didn't seem fair to leave the girls out then, and Governor Capper did not wish to do it, but he knew pigs were not the proper things for girls to take care of. There is too much heavy, rough work about hog raising. Not that girls do not like work and ought not to work just as much as boys. Girls' work and boys' work is different, that's all. And girls can do as well with their kind of work as boys can with the boys' kind. Anybody who doesn't believe this can just watch the Capper Poultry club. There are going to be some records and profits made by these girls that will make the boys wake up and rub their eyes to see if they're not dreaming.

But making money is not the only delightful thing about this Capper Poultry club. It will give you an opportunity to get acquainted with other girls and any one of you who joins can count on having 499 more friends next year than she has now. Maybe you will have even more for five girls to a county makes 525. Think of that, would you! Why, some of you don't know that many persons of any sort, counting in all your uncles and aunts and cousins and the neighbors and teacher and the postman and the storekeeper where you do your trading, and these 499 will be girls all about your own age. You may not see them all, but you can get acquainted with most of them just the same. Some of them may grow to be real chums such as all girls long for.

The way you will form these pleasant friendships is thru smaller clubs within the big club. First there will be your county club composed of the five members who represent your county. One of these girls will be appointed county leader and instructions

#### The Capper Poultry Club

Mary C. Williams, Secretary, Capper Building, Topeka, Kan.

Please consider my application for membership in the Capper Poultry Club. If chosen, I will comply with all the club rules and will do my best to win a prize.

My name is ..... Age .....

R. R. .... Postoffice ..... County .....

I approve this application and agree to help the contestant if she is chosen.

..... Mother or Guardian.

Secure the Signatures of Two Farm Women Here.

The applicant is personally known to us. She is in every way worthy of consideration for membership. If selected, we believe she will do her best and will make a record that will be an honor to our county.

.....  
.....

will be sent her at the time so she will know what to do. Can't you see yourself now in one of your prettiest dresses and your new spring hat getting into the car and driving away to visit your county club members? Maybe you'll have the club meet at your house sometimes and mother will let you bake some little cakes and stir up some lemonade to serve to them in your best company dishes. Mothers are going to be side partners in this Capper Poultry club, too, and that is another delightful thing about it. But we'll talk about that part later.

Next there will be the breed clubs. Part of the contest is to be based on purebred chickens and if you choose Plymouth Rocks, you and all the other girls who choose the same kind will be in the Plymouth Rock club, while the girls who decide on Leghorns

or Rhode Island Reds or some other breed will have clubs of their own. Officers for the breed clubs will be appointed or elected and printed stationery will be provided for them. Just think the fun it will be to have regular letterheads with your own name on it as any real business woman. A catalog will be printed about January 1, 1918, containing the names and addresses of all members of the big club who have eggs and breeding stock for sale. The names will be classified according to the breeds kept and copies will be sent to all the secretaries of the breed clubs for mailing. There will be lots of free advertising space in the Farmers Mail and Breeze for the name and address of every breed club secretary and the breeds represented. This free advertising should sell every surplus purebred cockerel and every egg for hatching that can be spared, and that is where a good share of your money is coming from.

Another chance to make money is from prizes. Governor Capper is offering \$100 in prizes: \$50 to individual girls, \$30 for county clubs, and \$20 for mothers. Read the list of prizes with the rules printed inside to see how the money is divided. Then some of you will exhibit your birds at fairs and poultry shows and win more prizes that way.

The club membership fee will be 25 cents which covers a year's dues and is to be paid to the secretary-treasurer of your breed club when her name is published. The money will be used for postage and in helping to pay for the stationery and catalog. Any member who does not have stock or eggs for sale may have her membership fee refunded on application to the secretary of her breed club.

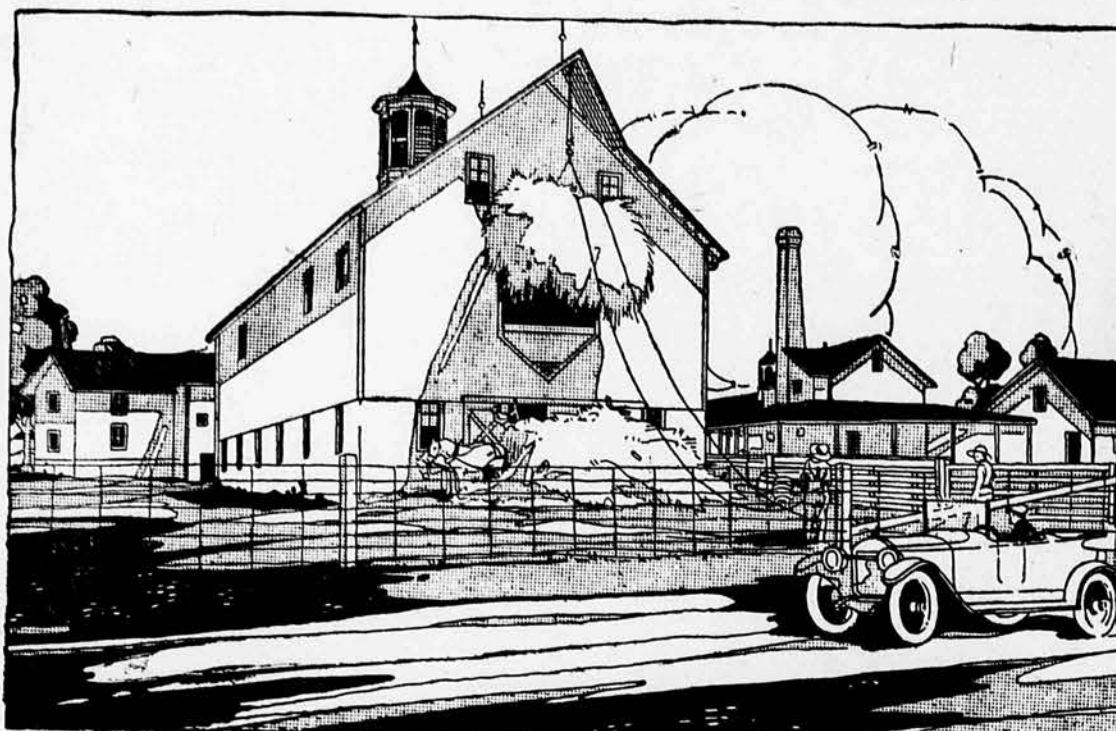
Every club girl cares for her own flock of purebred chickens and the money from these is her very own. Then every club girl must help her mother with the farm flock of fowls. This does not mean that there need be any change in the way the farm flock is managed. It means only that the

girl keeps an accurate record of the farm flock so that at the end of the year she can show father and the boys

(Continued on Page 34.)







Unloading Hay at Oakland Farm—Wayne, Illinois



## Strong Enough for Any Service

The tire that needs to be pampered has no place in country service.

It may do fairly well in town, where garages and repair shops are numerous and accessible; but for main road travel, where distances are long and conditions severe—where "trouble" is trouble with a vengeance—it is an inevitable disappointment.

Tires such as Goodyear builds are strong enough for any service—they need no pampering in country or town; they are main road tires from every standpoint, ready for whatever the road has to offer, able to withstand it when it comes.

They are strong, vigorous, trustworthy and lasting, Goodyear Tires—quick to serve and slow to wear.

They are economical and consistently satisfying; they carry far and travel free of ordinary troubles.

They are protected by special features against almost anything that can happen to a tire, from within or without.

They wear longer, go farther, serve better and fail less.

Goodyear Tires are the natural outcome of a manufacturing policy that refuses recognition to any quality save the highest, of a craftsmanship satisfied with nothing less than all possible perfection, of an institutional principle based on value given for value received.

Where found they uphold in all ways the integrity

of intention and effort behind them—and more of them are in use today on the motor cars of America than of any other brand.

It happens that the prices on Goodyear Tires are moderate, due to factory economies and efficient distribution—but don't buy them solely on this account.

Buy them because you expect more from them in all that a tire should give—for they *will* give more.

Buy them of the Goodyear Service Station Dealer in your vicinity. He is close at hand, trained to help you get from Goodyear Tires the final mile of service we have put into them.

And he has other things to sell you than tires, in this same endeavor.

Tubes, for instance—Goodyear Tubes, built to enforce the type of service Goodyear casings are capable of delivering. Strong tubes, sound tubes, lasting tubes—tubes that won't leak, seep or creep.

And Goodyear Tire-Saver Kits, last word in tire preparedness—he has these also. Handy, compact packages, the only ones on the market containing *all* essential first-aids-to-tires.

Go meet your Goodyear Service Station man today. He is located near you to be of service to you—of broader service than perhaps you realize.

The Goodyear Tire & Rubber Company, Akron, O.

*Goodyear Tires, Heavy Tourist Tubes and "Tire Saver" Accessories are easy to get from Goodyear Service Station Dealers everywhere.*

GOODYEAR  
AKRON





# THE FARMERS MAIL AND BREEZE

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



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## Farm Editorials

**H**AVE YOU ever noticed that in almost every case the successful farmers of Kansas are men who have definite aims—that they are men with ideals? A thinking man who plans to get the better things usually obtains them, too. We need more ideals in Kansas farming.

Especially is it important that the young men should get the right ideals. Unless a man starts out with a belief in livestock farming and a determination to get something out of life besides money he cannot make the greatest success. In forming these ideals a good plan is to consider the methods used by the successful farmers in your community quite carefully.

### Careful Spraying

Good apples cannot be produced in Kansas without spraying. Commercial growers appreciate this fairly well; the progress made in developing better methods of production in Doniphan county, for example, in the last five years is one of the most encouraging things in the agriculture of the state. More hand sprayers are needed in the home orchards.

Sprays must be applied properly. If one doesn't understand their application under the conditions in this state he can get full information from the departments of horticulture and entomology at the Kansas State Agricultural college. In speaking of the need for care in the application of sprays, F. B. Paddock, a specialist in spraying recently said:

"There is no magic about a spray material. It cannot be applied in a 'hit or miss' fashion if satisfactory results are to be obtained. Many persons in this state have been of the opinion that if they purchased some poison and applied it to the plants in any manner all of the insects would be killed. This practice has led to much disappointment, and some farmers have lost their confidence in the ability of man to eradicate insects. A grower should realize that the use of spray materials is a matter of dollars and cents. Money and time should be used in this work only in such a way as to obtain ample returns from the investment. Hundreds of dollars have been spent in this state in the purchase of spray materials with no benefit to the grower. The remedy for such a condition of affairs will only be found when growers shall become better informed in regard to insect control. Most of the knowledge necessary to do this work in the proper way is to be gained only by observation, for one must learn to recognize conditions as they exist. One cannot expect to follow blindly a 'cure-all,' and when the results are not satisfactory to lay the blame on the weather."

### Why Not Pension Farmers

"We now have pensions in this country for veterans of all the wars fought since the landing of Columbus," writes one of our valued correspondents. "We have pensions for mothers, pensions for railroad employees, pensions for teachers. But who ever heard of a pension for the pioneer farmer? How many of the pensioners I mention ever pay a tenth as much to support the government, state and national, as the farmer pays? How many of them ever did a tenth as much to support the world, to feed it?"

If any man on earth is entitled to a pension in his old age it is the pioneer farmer whose years have been used in the nation's service, perseveringly, faithfully, and against greater and more disappointing conditions than any other man in business. No man works harder—if he is a good, energetic farmer—and none is more likely to see his year's work swept away in a day, ruined in a night, burned. Our correspondent's inquiry is timely. The chances are, however, that he has been reading of Germany's pension system. It might be a fine idea for this country to copy, but it will be a long, long time getting over.

But there are others. The mentalities that have shaped the nation's progress should not be forgotten. We have with us tonight our old friend, the faithful, has-been politician. Why should not he have a pension in perfectly legal form when he grows too old to get it in the usual way? Who, may we inquire, has been more concerned about this country's welfare? Who has been more willing to take upon himself the burden of running the whole business, national, state, city, town, township? Where, indeed, would our country go if it were not for the

watchful politician? And when he becomes a has-been, which is mighty late in life if you leave it to him, why should we not, as we observed a moment ago, confer upon him a real pension, in regular form, as a novelty?

And if the has-been politician is to be remembered why, if you please, why shall worn-out editors be forgotten? Have they not done more than any other one influence to educate the world, to provide for its mental pabulum? Have they not decided more problems "in the next issue" than any court in christendom, and have they not decided some of them correctly? To whom does the farmer write when his cow is down in the yard and can't get up or the family flivver has a wheezy flange on the transmission? Surely, if any new ideas are to be considered in connection with pensions the unhappy and unappreciated editor will not be overlooked.

### Better Returns

A higher money return must be obtained from farming in Kansas if the best country life is to be built up. The average labor income needs to be established on a higher basis. This can be done if more real economy is used in handling the products after they are produced.

But little attention has been given to the fundamental problems of marketing the crops and livestock after they are grown. Most of the attention has been given to the problems of production. This is important, and a great deal more care is needed in increasing the production, but more study also is required of the big marketing and distribution problems encountered in the sale of farm products.

These questions are especially important to the younger men, and to the farmers of all ages who have not paid for their farms. The best possible management is needed in these days to pay for a farm out of the earnings of that place.

Much of the better management needed in the handling of farm products is concerned with their sale. H. J. Waters, president of the Kansas State Agricultural college called attention to this several years ago, when he showed that it was costing more to sell farm products than to sell typewriters, cash registers or motor cars. His solution of the problem, which is obviously an important one, is to extend co-operation—farmers must buy and sell in large lots. That this is appreciated generally in Kansas is well indicated by the remarkable growth of the Grange and the Farmers' Union in the last two years. The success which has been obtained in the co-operative buying and selling of these two big organizations is one of the most encouraging things in Kansas farming.

A larger saving is being made in this way than is appreciated in the communities where co-operation is not the rule—the results are more important than many of the men interested in co-operation appreciate. The big thing about it all is the hopeful outlook for the future which is indicated by the success of co-operation, even if it is only in a small way. It is hard for any community to change from the old way of doing things to the new and better systems. If farmers learn to work together in a small way, with perhaps the purchase of a few carloads of feed by co-operation, and make a success of this they will co-operate in a larger way later.

### Parcel Post

There is a considerable opportunity in dealing directly with city buyers of farm products thru the parcel post. In many cases a profitable trade can be worked up. W. O. Rigby, the postmaster of Topeka, issued a letter on this subject to the farmers near Topeka recently. In this letter he said:

To the Rural Patrons of the Topeka Postoffice: In view of the high prices of food products thru-out the country, publicity of the facilities offered by the parcel post for the shipment of farm products direct from the producer to the consumer is given. Butter, eggs, dressed fowls, fresh meat and other farm products can be sent by parcel post on your route to consumers in this city at a good margin of profit at the following rates: 1 pound for 5 cents, 2 to 3 pounds for 6 cents, 4 to 5 pounds for 7 cents, 10 pounds for 10 cents, with a limit of weight in the local, first and second zones of 50 pounds, which can be sent for 30 cents and 54 cents, respectively. Such shipments can be sent C. O. D. on the payment of 10 cents, and the money for the produce will be returned to you the following day by money order. Farmers within the local,

first, and second zones should be inspired by the almost unlimited opportunity to expand the business of producing and selling direct to the consumers in the city. However, you are cautioned that this business cannot be developed and maintained unless you are willing to share liberally with the customer in the city the saving effected by the parcel post shipment. You must understand that the customer in the city, in dealing with you by mail, foregoes the advantages of credit, personal inspection of goods and immediate delivery and that he, naturally, cannot be expected to deal by parcel post unless he can be assured of better products at a less cost. Consumers in the city would see the advantages to be secured by a satisfactory arrangement with a reliable farmer, which would enable them to receive food supplies at regular intervals, in a fresh condition and at reasonable prices. Agricultural and civic organizations are interesting themselves in this subject and are being asked to make an energetic effort to enlist the co-operation of their different institutions in a practical campaign to reduce the high cost of living in the city by inducing direct shipments by parcel post from the producer to the consumer. This will not only result in economy to those receiving them, but will exert a moral influence in deterring shippers and dealers from entering oppressive combinations for the advancement of prices. Any further information desired, not given in this letter, will be cheerfully furnished at this office.

The opportunities probably are especially good in developing a market for eggs, butter and vegetables. They deserve more attention from farmers in Kansas who have these products for sale.

### The City

The most important thing for a young man who is considering going to the city to live is for him to fully understand the life and work there. If he understood that success almost always is gained only by the specialists, and that a young man equipped to do only ordinary work doesn't have one chance in 10,000 of winning a worth while success, much of this drift to the city would stop.

### Tenant Farmers

Most tenant farmers in Kansas have not received a square deal. The one-year lease under which they have had to work is unfair—and it ought to be thrown out along with the other relics of the dark ages. Long time leases would do much to solve the tenant problems of Kansas, and they would result in increased profits for both the owner and the tenant.

### Grain Farmers

The history of the agriculture of the United States has shown that grain farmers are soil wreckers. They do not profit by this system either—one-crop grain farmers usually make but little more than a living. A young man who is starting in the farming business should appreciate that the only way to the largest success is by the livestock route.

### Stumps

No farmer can afford to allow his fields to be obstructed with stumps. Kansas land is too valuable. There are efficient machines that may be used to remove stumps if one has many to contend with, and if there are just a few they can be removed by hand. It will pay well to get rid of them in either case.

### Kafir Breeding

There is an increasing interest in Kansas in the growing of the sorghums, especially kafir. This has produced a large demand for good seed adapted to the local conditions. Such seed can be obtained only by intelligent head selection. Breeders who will do this work are needed in every county. Farmers already in the business have shown that it pays well.

### Legumes

No group of plants is more valuable to Kansas agriculture than the legumes—alfalfa, clovers and cowpeas. The cash returns from these lines are not exceeded by the values of the other general field crops, and in addition they have a beneficial effect on soil fertility. A great increase in the acreage of the legumes is much needed in Kansas.



**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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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

### Compulsory Service

The advocates of compulsory military service are saying that the present situation proves the correctness of their contention. They say that we are in a state of unpreparedness which would not be the case if we had compulsory military training. Instead of proving their theory it seems to me that the situation proves the contrary. If we should become involved in war with Germany it is now entirely evident that there would be no lack of men to fill the ranks of the army as fast as they could be equipped, and neither is there any doubt that within a month they would, if properly equipped, make as fine an army as ever went into battle. We do not need compulsory military training in this country and it will be a sad day for the republic if ever that policy is adopted. When this war fever is over and sanity again reigns, at least to a moderate extent in the world, the sentiment in favor of universal military training will decline. The people of the United States will go back to the theory that has prevailed in this country from its beginning: that standing armies are a menace to a free people and a democratic form of government.

### What We May Do

It looks as if sooner or later we will be involved in the mad strife in Europe. I trust that the present indications may not be fulfilled, but it is useless to close our eyes to what seems entirely probable if not inevitable.

So far as I can see there is only one, or possibly two, advantages to be derived from our participation in the conflict. The first is that I think it would hasten the end. The second is that when the peace terms are to be arranged the representatives of this nation will sit at the council table and have a prominent, perhaps a deciding voice, in determining what those terms shall be. The paramount desire of a vast majority of the people of all the nations, I think, is the establishing of a permanent world peace.

A permanent world peace, however, cannot be obtained without universal disarmament. Nothing is more certain than that if the policy of militarism which has prevailed in Europe for the last 50 years, is to continue, there can be no such thing as a permanent world peace. The United States is the one nation in a position to urge disarmament on all the nations of the earth, and in a position to make that demand felt. If the representatives of this country in case we shall be drawn into the conflict, shall rise to the occasion and make that demand and insist upon it to the very limit of our financial power it will mark a new era in the history of the world. It will mean universal and permanent peace, good will between nations, and world wide prosperity. If that shall be accomplished then our being drawn into the war will not be a thing to be regretted but to be thankful for, and men and women everywhere will fervently bless God for the United States of America.

### Happy Western Kansas

I have sometimes thought that the people of Kansas are rather disposed to complain about their condition. It has appeared to me that I met more persons who were disposed to grumble than I have met those disposed to take a cheerful view of matters in general. The grumblers complained about the weather, the condition of the crops, the high cost of living, the increasing taxes, the discriminations practiced against the farmer, the high rates of interest, the low prices of stock; or, if the price of stock happened to be high, they grumbled about the high prices of feed, and insisted there was no money in feeding hogs or cattle even at the high prices. Generally the person who is disposed to complain can find enough to complain about, because there is always enough trouble scattered about in the world to make men and women unhappy if they are out looking for it.

Just now it is a pleasant experience to visit Western Kansas because there seems to me to be less complaining out there than any place I have visited in my life. I have been spending several days out in Western Kansas and right out in that part of the state where we used to suppose the people were most entitled to sympathy I have dis-

covered the most contented and apparently prosperous people I have ever seen. I talked with dozens. I think it would be no exaggeration to say that I talked with a hundred persons and out of the entire lot I did not hear a murmur of complaint. They are prosperous, and frankly and gladly own up to the fact. They even say that if there should be a crop failure this year the people are in condition to stand it and that there will be no exodus such as there used to be in a dry year. Not that they are expecting a crop failure, but they are prepared to endure it with cheerful minds if it comes. It is no uncommon thing to find one of these Western Kansas farmers owning two motor cars, and sometimes where there are several boys in the family each one has a machine of his own.

The little village of Arnold does not profess to have a population of more than a hundred, I think, but a few weeks ago the people of the town and vicinity decided that they needed a new church. So they got together and simply put down their names for nearly \$7,000 to build a modern house of worship. When the church is built and furnished as it will be in a few months, there will be no debt. The men around there have the cash and are willing to dig it up. They are emphatically a generous, progressive people glad, as I have said, that prosperity has come to them, but not puffed up with pride on account of it. There is no community in the United States that provides a finer example of genuine democracy than does Western Kansas.

Just by way of illustration—and the fact that I take him as an illustration will be as much of a surprise to him as to anybody on earth—back in the '80's Mr. Hagens went out to Ness county and took a homestead. Times were discouraging for settlers in those days. Mr. Hagens was no exception to the general rule. He decided that he could not make a go of it in that country, and so he loaded his family and what household goods he had, which were few and not very valuable, into a freight car and journeyed back to the home of his wife's people in Southern Missouri, and let the small mortgage he had secured along with his other calamities, take his homestead. For 10 years he grubbed among the rocks and stumps of Missouri. The chills gripped him and shook him, as a terrier shakes a rat, until he had little life or ambition left in him. All the time, and more especially when the chill was on or the resultant high fever was burning up his very bones and marrow, Hagens kept thinking of the glorious, pure air he used to breathe out in Western Kansas. It was in 1897 that finally he made up his mind that if his wife was willing he would give Western Kansas one more trial. Just then land was to be had almost for the asking. He discovered that a quarter section had been homesteaded and then abandoned by a New Yorker, and had been sold to the county for taxes. He secured the tax title and afterward perfected the title to the land for a trifle. That was 20 years ago. Today Hagens owns more than 1300 acres of fertile land which would easily sell for \$25 an acre.

I rode out to Hagens's place in a Buick six and filled myself with country sausage, big fat biscuit, coffee with real cream and homemade preserves. And at that Mrs. Hagens rather apologized and said that if she had known they were going to have company she would have tried to get up a real meal.

Now, Hagens is not an exceptional case. He does not think he has accomplished anything remarkable at all, and perhaps he hasn't. Of course his wife and the members of his family who have helped along deserve a due part of the credit for what has been accomplished. He declared modestly, that any man who would go out to Western Kansas and do his best could succeed and do a lot better than he could Back East. I believe this. There was a time when I did not think so. That former opinion was shared, evidently, by most of the early settlers in that part of the state because they got out of the country with remarkable unanimity when they were able to get away. Those who stayed are glad of it now, but there was a time when they considered the necessity a misfortune.

If one mingles among those Western Kansas people and partakes of their hospitality he runs one danger, and that is that he is liable to suffer from over-eating. I tried eating at three farm homes and know what I am talking about. There is no shortage of provisions there.

I have said that Western Kansas affords the best example of genuine democracy that I have ever seen. It is indeed the spirit of these people that I most

admire. They are a prosperous people but above all they are an intelligent people of superior ideals. Prosperity does not spoil them. Let me make just another observation here. Most of the Eastern loan companies draw a deadline about the middle of the state beyond which they refuse to consider loans on the theory that the security is not good. Let me remark that they are laboring under a mistaken impression. A loan on Western Kansas land in proportion to its assessed value is a safer loan or at least as safe as the average loan in Eastern or Central Kansas. The days of the exodus from Western Kansas are over. Dry seasons there will be. Short crops there will be but the population will not decrease nor will the farms ever again be abandoned.

A representative of a threshing machine company who has been selling machines exclusively in this Western Kansas territory for a good many years tells me that the losses from bad debts in his territory have averaged less than one-fourth of 1 per cent. Can you beat that anywhere? And threshing machine debts have not generally been considered as gilt-edged either.

However, the fact that loan companies have refused to do business in Western Kansas has resulted in high rates of interest in that part of the country. The banks have reaped a rich harvest. Those people are entitled to get money as cheaply as in any part of the state. Their loans are as safe as any loans anywhere in Kansas.

### Jack Rabbit Hunt

One of the standard amusements of Western Kansas is hunting the jackrabbit. One of the days I was there I went with the crowd. It would not be accurate to say I participated in the hunt. I carried a gun and tramped something less than a hundred miles but the jackrabbits had no cause to fear me. I did shoot at a couple but succeeded only in slightly accelerating their progress across the prairie. But those Western men are death to these animals. There were 15 or 20 of them and by 4 o'clock in the afternoon they had slaughtered 129 rabbits. At that they declared it was not much of a day for rabbits. These jackrabbits are rolling in fatness altho there does not seem to be a great deal for them to eat. There is method as well as sport in hunting these long eared speed record-breakers. As a matter of fact the jackrabbit is very destructive of wheat. He will dig down until he finds the green wheat sprout and devour it. So the wheat farmers wage war on him and his tribe and they seem to be doing a fair job of it. But the rabbit is one animal which has never been accused of race suicide. He believes in multiplying and replenishing the earth.

It did occur to me, however, that there are several millions of people who would appreciate the fine, fat rabbit meat which these Western Kansas settlers feed to their hogs and hens.

The hen, by the way, is decidedly fond of fresh rabbit meat, and for that matter so are the hogs. I think it was last year that the settlers out in that section gathered up a carload of rabbits and shipped them to the Salvation Army in Kansas City to distribute among the poor. It should be mentioned also to the credit of the railroad company that they were hauled without charge.

### Kansas an Oil State

I find wherever I go these days in Kansas that the country is being overrun with oil leasers. Many of these leases are being taken for purely speculative purposes, I imagine, but there seems to be a growing opinion that if you only dig deep enough, almost anywhere in Kansas, you will strike oil. Out at the little town of Athol I found the excitement running high. In digging a cistern at the depth of perhaps 25 feet a thin ledge of black rock was struck and from under this oil began to ooze out at the rate of possibly a gallon an hour. In addition to the unusual finding of any oil at such a small depth, this oil was of a very remarkable character. It is light colored as would be oil that is about half refined and would burn in a good lamp even as it comes out of the ground. So far as I know there are only two oil fields in America where such oil has been found, one in old Mexico and the other somewhere in British America.

Near where the Athol cistern was dug there used to be an oil tank and some of the doubting Thomases insist that the oil found in the cistern was really oil that had leaked out of the oil tank and soaked



into the ground until it had formed a small reservoir and that this was the source of the oil found in the cistern. One hardened skeptic offered to wager something that he could drink all the oil that nature had deposited in the ground where that cistern was dug. Most of the Atholites, however, scoff at the leaking tank theory. They say that the oil is not refined oil but a very high grade of paraffine oil worth, as it comes out of the ground, \$7 or \$8 a barrel. When I was at the town something like 75 gallons had seeped out of the ground into the cistern and the flow seemed to be undiminished.

Oil leasers are busy and the people, landowners, are indulging in visions of untold wealth to be developed. They have heard all about the Aladdin lamp stories from Butler county where land that could have been bought two years ago for \$30 an acre or possibly less, would sell now for \$2,000 or more an acre.

But Athol is not the only place where the oil fever is taking hold of the inhabitants. I find it nearly everywhere I go. If oil in paying quantities is found in half the places they are looking for it, in a few years Kansas will rank as one of the greatest oil producing states in the Union.

### As to the Effect

There is, strange as it may seem, a question as to whether the striking of oil in vast quantities in various parts of the state is a good thing for the people of the localities where it is found. An Eldorado man who used to dig along in very moderate circumstances has been one of the luckiest so far as riches coming his way is concerned. I have heard it estimated that his income from oil royalties amounts to \$75,000 a month. Not long ago he met a friend who was congratulating him on his good fortune. "Well," said the Eldorado man, "when I used to have just enough to live on in modest comfort and no extra money to spend I was content and at least reasonably happy. Now I am worried all the time. I don't know what to do with all this money that is rolling in on me which, as a matter of fact, I have never earned."

As I have never experienced the sensation of having more money than I knew what to do with I have little idea as to how a person in that situation feels, but I do think that sudden riches, wealth which has not resulted from the labor of the hands or brain of the person receiving it, is likely to bring with it very little satisfaction and happiness. Comparatively few men, I think, know how to spend money wisely. The sudden acquisition of wealth is likely to make fools of most men. In some cases it makes them ambitious for display of their wealth. They seem eager to let everyone know that they have money, and they squander it in ways that only tend to make them ridiculous. They seem to lose moral balance and want to make Rome howl. They enter on careers of wild dissipation and fall into the hands of sharpers who have only one purpose: to separate them from their new found wealth.

In other cases the sudden acquisition of vast wealth seems to develop a spirit of meanness, of miserly, grasping qualities that, perhaps, were never really suspected by their neighbors in the days when they were honest and poor. They develop ambitions to gather more and more wealth. It becomes an obsession, a passion with them. And so they take no pleasure or enjoyment in their riches. They have no desire to use money in a way that will benefit the world or themselves. After a while they die and leave heirs who had no affection for them while they were alive, to wrangle over their estates after they are dead.

And yet it seems there are plenty of opportunities for the possessor of wealth to use it for the public good and to the great satisfaction of the possessor. If men could only get the thought thoroly impressed upon them that they are only the trustees invested for a little while with the possession of wealth of which they must render an accounting to humanity and for humanity, there would be little objection to the accumulating of fortunes.

### What is Democracy?

A Socialist reader asks me to give a definition of democracy. That is not so easy a question to answer as it might at first seem to be. A pure democracy, I think, might be defined as a state of society in which there is absolute equality of conditions coupled with unrestricted liberty of individual action. It is entirely evident, however, that such a state of society is impossible. Individual liberty of action necessarily would destroy equality of conditions for the reason that the strong, selfish and unscrupulous always have and always will take advantage of their superior strength and unscrupulous cunning to get more than their share unless they are restrained by some power and authority greater than their own. Equality of conditions, on the other hand, can be achieved only thru communism, and communism does not take into account the varying degrees of ability on the part of individuals. Under communism the inefficient share equally with the efficient, the indolent equally with the industrious and the weak equally with the strong. Communism has never made anything like a permanent success, except where the community was held together by a strong religious sentiment which made the members of the community willing to abandon their natural tendencies and follow unquestioningly the leadership of the church authorities.

This religious sentiment which has enabled a few

communistic communities to exist for many years and even to flourish to a considerable degree, stands in the place of a powerful autocratic government which otherwise would be necessary to suppress the natural tendencies of the individuals composing the community.

The philosophical anarchist declares that anarchy is the only pure democracy. He opposes the restricting of individual action as tending to hinder the natural developing of the powers of mind and body. He argues that with unrestricted individualism the advantage of working together for the common good would be a sufficient restraint on human selfishness and that men and women would co-operate voluntarily.

This seems to me to be an entirely unreasonable conclusion which is contradicted by practically all human experience. In a very sparsely settled community it might be possible to get along pretty well without an organized government. The reason for this is that so long as the individuals have ample room to develop according to their own ideas they do not impinge on the rights and desires of other individuals, and therefore the law of selfishness is suspended temporarily. But just so soon as the rights of the individual begin to interfere with the natural rights and privileges of other individuals the clash of interests necessitates a definition of rights with power to enforce the orders of the authorities defining individual rights. That is government, and the end of anarchy.

If the ideal democracy cannot be attained, and I do not think it can be, how may a democracy be attained that approximates as nearly as possible to this ideal? How may that government be obtained that most nearly allows unrestrained liberty of individuals and at the same time prevents individual or collective encroachment by the selfish, evil-minded or powerful on the just rights of the less powerful. I certainly am not wise enough to give a definite answer to that question nor do I believe anyone else is wise enough now to give one.

Government, after all, is experimental. It evolves by a slow process as I am optimistic enough to believe, toward the most nearly perfect government that ever will be devised by man. Even the term "democracy" is only a relative expression. What would seem like a free, progressive and just form of government to a people at one stage of their development would seem an oppressive and even tyrannical government to people of more advanced intelligence and wider experience in self-government. Even to approach the ideal democracy a people require not only a high degree of intelligence but a high degree of civic virtue. The people of Mexico are just as much entitled to a just and free government as the people of Kansas but I do not think they have arrived at that state of intelligence and civic virtue that enables them to operate a democratic form of government as successfully as I think the people of Kansas can or could operate it.

When my Socialist reader asks me to define democracy I scarcely know whether he wishes me to define what I may call an ideal democracy or a democracy suited to the present needs and capabilities of the people of the United States. If he is a practical man, as I hope he is, I take it that he wishes my opinion on the best government possible to obtain at present. As I said, I do not feel wise enough to give a final and definite answer to that question, but I am entirely willing to offer suggestions for what they may be worth.

Let us take up a few of the evils that hinder the progress of democracy. First, there is the unequal distribution of wealth and control of those things that seem to me to be necessary to the well-being and happiness of all, by the few. How is that recognized evil to be remedied, for remedied it must be before we can approach the ideal democracy.

So long as more than 90 per cent of the wealth of the country is controlled by less than 5 per cent of the people even an approach to an ideal democracy is impossible. I see no way at present for curbing or limiting this undue accumulation of wealth except by imposing a graduated income tax and a graduated inheritance tax. I would make these taxes so high on swollen fortunes that it would be impossible for any individual either to accumulate a vast fortune or to transmit a vast fortune to his heirs.

As money is the blood of trade and commerce it should not be in the power of individuals or corporations to control or impede for private gain the flow of this blood thru the arteries and veins of the body politic. So long as this commercial life blood is controlled by private corporations or private persons there is certain to be congestion in certain parts of the body politic, and a lack of necessary blood in other parts. The circulating medium of the country, therefore, should be entirely controlled by the government. It should not be based on any particular commodity as it is now, but a public medium used for just one purpose, to facilitate the exchange of those things which the people need.

As transportation is essential to the prosperity of all it should not be controlled by private persons or private corporations. It is entirely possible that within a few years our entire methods of transportation will be changed and that the railroads will be superseded by great motor tractors hauling loads of produce over permanently paved roads. So far, of course, this is only a theory and may not prove practicable when put into general operation. I should however, advise the building of experimental paved highways by the government to test the question as to whether the productions of the people could be transported for distances long or short more

economically than they are at present transported by rail. My opinion is that they can be so handled but experience might show that I am mistaken. If experience should prove what I think it would prove then there would be no further necessity for private or government ownership of railroads.

As land is as essential to the happiness and well being of the people as water or air, unlimited private land ownership should be prevented in the interest of equal rights and real democracy. It may not be necessary that private ownership of land be entirely abolished but by a progressive land tax the holding of large tracts should be abolished. It is my opinion that a system of co-operative farming something along the line set forth several times in these columns would be the ideal way to till the land, and that it would result not only in a vastly increased production but in a vastly more even distribution of wealth.

Poverty is largely a disease resulting from unhealthful and unnatural conditions and these conditions must be abolished in the interest of the public good and in the interest of real democracy. The insanitary hovel should no more be permitted to exist than a polluted pond or stream. Municipal, modern houses should be built, provided with modern conveniences, constructed on lines of architectural beauty in a healthful and attractive environment. I think that it would be well to encourage the dwellers in these homes to own them and in order that they might own them they should be enabled, all of them, to earn income sufficient to permit them to accumulate the purchase price without stinting themselves or their families.

Our present method of dealing with crime is unscientific, ineffective and unjust. We permit conditions to exist that breed criminals and then undertake to punish the criminal for the logical results of our own wrongs. It is fact that needs no demonstration that an industrious, fairly well educated population living in comfortable circumstances rarely produces criminals. Idleness, poverty and ignorance bear their natural and prolific harvest of crime, inefficiency and mendicancy. In the democracy I have in mind the causes will be removed as far as possible so that no members of the body politic will live in poverty, ignorance or idleness; and in order that the causes which produce idleness, crime and mendicancy may be removed, not only must the hovel and the slum be abolished but the opportunity to earn a comfortable income and to obtain a liberal education must be provided to every citizen.

Now with all of these reforms and changes which I consider necessary in order to reach an approximately ideal democracy, I do not expect perfection. Human selfishness no doubt will still exist. The everlasting contest between the forces of selfishness, brutality and greed on the one side and idealism, humanity and even-handed justice on the other, will continue. All I hope for is conditions which will help the forces of altruism to overcome the forces of evil, and thus we shall approach the ideal democracy.

### A United Nation

A United American Nation stands behind the President as the world war encircles the globe. In the cities of the United States, citizens of German birth and of German ancestry rise promptly to declare their loyalty to the Stars and Stripes. The large and influential German-American press sounds the same loyal note. It was to be expected. These German citizens have ever been loyal when the test came. Torn between sympathy for the Fatherland, where friends and relatives are struggling against fate, and their love for the home land, theirs is a sorrowful experience. But first of all they are American citizens and they proclaim it unhesitatingly. All honor to such patriotism. The world esteems the German people, kind, thrifty, industrious, law-abiding. Whether it knows it or not, humanity is fighting militarism and a military aristocracy, not the real Germany. This is the true issue of the great war.

No one may question the justice of the principle of freedom of the seas. If the American Nation enters the world war it will be in defense of this principle. But there is a mightier principle at stake—that of settling international difficulties by the law of reason and with justice instead of with passion and by the sword. Never was the world's need of such a code more strikingly apparent.

For more than two years the American people, good neighbors to all the world, have deplored the appalling folly of bloodshed and murder instead of courts of arbitration as a means of settling disputes between nations. They have stood repeatedly for the peace principle when it took more sand to stand by it than it did to fight. They have refused to be stampeded into war by passion in the present conflict as well as by their difficulties with Mexico. Now reluctantly they are about to be compelled to resort to the crude primal method of the war club, and in defense of human rights. They have been called to stand for the rule of law and order thruout the world, a cause worth fighting for, but which please God, may it never be necessary to fight for again. If it must come, let the struggle be short and decisive.

Arthur Capper.



# A "Howdy" to the Girls

## Capper Pig Club Boys Speak for Fried Chicken and Trimmin's

By JOHN F. CASE, Contest Manager

"ROSY NELL being at the gate, I let her in," says John Shepard in his contest story continued from last week. After dinner she began to make her nest and by 3 o'clock it was made. When we went out to do the chores at about 5 o'clock we found that she had three pigs, and letting her alone we quietly went away. By the time we went to bed we found that she had 7 pigs. I was rather disappointed for I had told papa that she would have eight, and that seven was an unlucky number. The next day dawned early and I was the first one up. I went out to the hoghouse where Rosy Nell was, and there to my delight were eight pigs. Never was there a happier boy in all the world than I. When the pigs were 3 days old I turned them out into the alley way of the hoghouse. I left them out for about a half day, then put them back in their pen. I did this until they were about 3 weeks old. Then I turned them in the horse lot away from the other hogs. They were in the horse lot for about a week. After this they were turned into the rye pasture. The pigs stayed very close to their mother, but after a few days they would go quite a distance from her.

"The first week I fed my sow scarcely anything, but I gradually increased her feed. When the pigs were 4 weeks old I had my sow eating corn and drinking all the slop she wanted. They sure thought that the rye was a treat for they then had all they wanted. They stayed in the pasture until they were about 2 months old, making the pasture amount to 30 cents. June 10 we weighed my pigs and brought them to town for we had moved up town in the spring and papa and I went down to tend the crops and do the work all summer. They made an average of about 53 pounds each. I bought one sack of shorts and one sack of oilmeal to feed them. The feed store did not have meat meal so I had to get oilmeal cake. I soon found out that the oilmeal cake did not mix well with the shorts so I got a sack of meat meal the next time. One sack of oilmeal lasted just one and one-half months, or seven sacks of shorts to one sack of oilmeal. My pigs grew rapidly. The soaked corn was something I gave them every meal. September 1 I sold two of my pigs. These were the first pigs that I sold out of my litter. My prices were very reasonable; \$24 a pig without the registration papers and \$25 with the papers. My first pig went to Mr. Huat for \$25; my second to Mr. Holly for \$25. I did not sell any more until after the fair.

### That Trip to the Fair.

"Now in this contest Mr. Case, our manager, wanted all of the boys in the Capper Pig Club to come to the big Topeka fair. Well, we all wanted to go to get acquainted and also to see the real main clock works that made the contest so interesting. The boys numbered 26, with Mr. Case's little son and a lively bunch we all were. Thursday we went to see Mr. Capper. All of the boys were introduced to him. H-m-m! We were "way up"; remember, we were meeting the governor of Kansas. Now, came those dandy meetings that Mr. Case led and you could get up and say "I have the best Reds in Kansas." Say now, let me tell you we hated to end those meetings, and when the time to leave came, we hated to leave our dear friend, Mr. Case. We all vowed that we would see him again at the next state fair.

"When I came home I sold one boar to Mr. Judd for \$25, and three gilts to Mr. McMillan for \$73. My other two boars I sold for \$22.50 each. Soon after weaning the pigs I sold Rosy Nell for \$45. This now disposed of all my hogs and left me a nice round profit, and a pleasant year's work. The last few months my pigs were practically on full feed.

"So goodbye to the Capper Pig Club contest for 1916, and here I extend a hearty greeting to the Capper Pig Club for 1917. Yet in a larger sense I shall

always remember those dear old times we had with our old members, and I especially appreciate Mr. Case's and Mr. Capper's kindness to us boys. I shall always remember the days of this 1916 contest as one everlasting thought."

I'm glad that John liked the "main clock works that made the contest so interesting." The clock has been wound for another year and with 500 boys to help boost there will be no "marking time." There's a lot of good suggestions in these letters written by the winning boys. Don't fail to see that your bred sow gets plenty of exercise. It's mighty important for without you may lose both sow and pigs.

Every Capper Pig Club member in 1916 was a booster. It was a joy to work with a live lot of fellows who showed pep. If a pep trophy had been awarded for work last year, tho, as it will be for work this year, the trophy undoubtedly would have been won by Ray Jones of Reno county. This 14 year old chap always was on the job. As secretary of the Hampshire breed club Ray kept after his fellow members thruout the year, and every boy completed the work. No other boy in the club wrote me so many cheery letters or showed so much genuine interest. And that's saying a lot. Did pep pay? On January 1, 1917 Ray made an inventory. He found that his total expense for 1916 was \$153.93. His cash sales and prize won totaled \$183.93. He still had the contest sow valued at \$50 and a fall litter of 9 pigs valued at \$135. That makes his 1916 profit record \$215. Keep your eye on this chap in 1917.

I'm showing Ray's picture but the story will have to wait until next week. We must talk about the work in the new club and we must divide space in the Farmers Mail and Breeze with Mary Williams's girls. But believe me, fellows, Kansas girls will have to go some if they keep up with the Capper Pig Club. Isn't that right? All of us, tho, are mighty glad to see this club work for girls begun. And we'll eat fried chicken with 'em too.

### Why the Difference in Cost?

A nice friendly letter came to me the other day from Ottawa county. "Please tell me why the feeding cost records made by Capper Pig Club members were so much lower than those reported by boys who won in the contest conducted by the college men," it said. I'm glad to answer this question for I've been told that some very harsh criticism of our boys has been made. Again I patiently explain that the feeding costs in our contest were based upon a table of values prepared in 1915, standard prices at that time. Boys who fed pigs in the contest supervised by State Leader Hall for the college reported the amount of feed given and when prizes were awarded standard prices of feed in 1916 were considered. The 1916 feed costs were much higher.

Then, too, our boys had the advantage of putting on many pounds of pork without cost as the pigs suckled the mother. The college boys fed one pig and a feed charge from beginning of the feeding test was made. Does that make it clear? There's no jealousy between our boys and the boys enrolled in the college club-work. We all are working for business boys and for more and better swine on Kansas farms. The college men have helped our boys in many ways.

County Agent Popenoe of Lyon county with a lot of his prize winning boys and girls, paid us a visit last week. These youngsters have a mighty good leader in Mr. Popenoe and they warn you to look out for Lyon county this year.

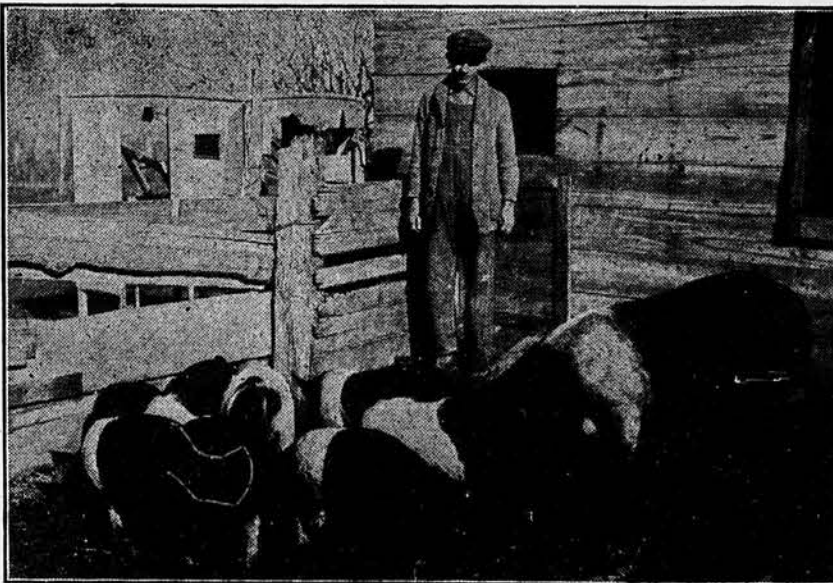
Louis Etherington, our representative in Greenwood county last year called on me, too. Louis won \$25 in a corn contest and spent Farmers' Week at Manhattan. Louis put six potatoes in his pocket when he left home, exhibited them at Manhattan, and won \$4. He's coming to the fair again this fall and he says "Keep your eye on Greenwood county." Some pep.

John Flarity of Lewis, Edwards county, is ill and will be out of school for months. I should like to have all you boys write to John as he's going to be a pretty lonely chap.

Well, time is up for enrollment. When profit reports are made a lot of youngsters are going to be kicking themselves for not lining up. The names of all boys in counties not having complete membership will be given in an early issue. These counties have completed membership since last report.

Name and Address.	Age
<b>BROWN COUNTY:</b>	
John Miller, Netawaka .....	15
Reg. Moore, Robinson .....	10
Glenn Patton, Powhattan .....	12
John Moser, Hiawatha .....	11
Willis Martindale, Robinson .....	15
<b>BARBER COUNTY:</b>	
George Martin, Medicine Lodge .....	12
Ross Jones, Hazelton .....	11
Harold Dunbar, Hazelton .....	13
Herbert Bryan, Hazelton .....	12
Irvin Coleman, Sharon .....	13
<b>COMANCHE COUNTY:</b>	
Arthur Barlow, Coldwater .....	15
Raymond Shoup, Protection .....	16
Lee German, Coldwater .....	15
James Wardrop, Protection .....	15
Edwin Wagner, Wilmore .....	12
<b>FINNEY COUNTY:</b>	
Paul Walters, Holcomb .....	13
Raymond Stevenson, Garden City .....	13
Carey Colburn, Garden City .....	14
Earl Steele, Garden City .....	10
Frank Lewis, Garden City .....	15
<b>NESS COUNTY:</b>	
Floyd Legg, Ness City .....	11
Alfred Loveless, Ness City .....	12
Horace Jones, Beeler .....	11
Kenneth Sherrill, Brownlow .....	14
Harold Mellies, Ness City .....	13
<b>MEADE COUNTY:</b>	
Clarence Utz, Plains .....	14
Lemorne Shouse, Plains .....	14
Lyle Pennington, Plains .....	12
Paul Flinn, Fowler .....	13
Raymond Hoskins, Fowler .....	13

One of the congregation of a church not far from Boston, says Harper's Mag-



Ray Jones of Sylvia, Reno County, Winner of Fifth Prize. Ray Showed a Profit of More Than \$200 Last Year.

azine, approached her pastor with the complaint that she was greatly disturbed by the unmelodious singing of one of her neighbors.

"It's positively unbearable!" she said. "That man in the pew in front of us spoils the service for me. His voice is harsh and he has no idea of a tune. Can't you ask him to change his pew?"

The good pastor was sorely perplexed. After a few moments' reflection, he said, "Well, I naturally would feel a little delicacy on that score, especially as I should have to tell him why I asked it. But I'll tell you what I might do." Here his face became illuminated by a happy thought. "I might ask him to join the choir."

### Hens are Laying Again

BY D. M. HESSENFLOW  
Republic County

The recent warm weather has induced the hens to start laying again. We are now getting a number of eggs every day. This inducement consequently forced down the price from 37 cents a dozen to 32 cents.

Our hens are fed a warm bran mash every morning. At noon we feed them a small amount of whole wheat in a litter just to keep them scratching. At night we give them a heavy feed of whole corn. This tends to keep their bodies warm thru the cold nights. We aim to keep from 6 to 12 inches of wheat straw on the floor of the scratch house at all times and all grain is fed in this litter. During the day we feed sparingly to keep them a little hungry so they will scratch and exercise considerably. A well fed hen is not a laying hen as she will soon become lazy and will depend upon being fed. In cold weather we give them warm water two or three times a day.

About 25 of our hens roost in out of the way places around the barn. We cannot train them to go to the henhouse. These I feed whole corn once a day in some litter south of the barn, and the remainder of their feed they hunt for themselves. We receive almost as many eggs accordingly from these 25 hens as we do from the ones confined in the hen house on feed. Of course on pleasant days we turn those out of the henhouse and let them roam around for their feed.

The average tenant farmer of today is not more than making a good living, due mostly to the inconvenience of the farms. On about one-third of the tenant farms in this county, there is not enough pasture or mow lands for profitable livestock raising and the trend of farming is turned toward grain. This is not a safe system of farming and if there are one or two bad years, those paying cash rent either have to sell some of their surplus stock, or give a mortgage on it to get money to pay the rent. While on the other hand, if the tenant is paying grain rent, he is forced to give a share of it and by the time he pays his pasture rent and other necessities, there is not much left for him.

The older boys of the Y. M. C. A. of Republic county, held their fourth annual conference in Belleville last week. Nearly 150 boys were present. They reported that this was the largest attended conference ever held in this county. The former secretary, J. C. Brunk, did much to aid the farmers in disposing of any seeds he might have for sale, and taken as a whole, the association has a tendency to attract a great interest in the work it is doing.

Hog prices have broken the record in this county at \$11.75 a hundred. Despite the high price of feed, there is money in hogs at that price. An average sized hog will bring from \$35 to \$40. A farmer sold two hogs recently weighing 530 and 650 pounds for \$115.64. One of the hogs was 20 months old and the other 22 months old when sold. It would not take many such hogs to make a good payment on a farm.

### Seed Imports Decline

Only about one-half as much alfalfa seed and less than one-half as much crimson clover seed were imported during the fiscal year 1915-16 as during either of the two previous years. Less than 70,000 pounds of hairy vetch seed was imported in 1916, whereas 2 1/2 million pounds was imported in 1914.

Say you saw it in the Farmers Mail and Breeze.



# Not Many Bills Passed

## No Laws Enacted for Women But Appropriations Go Along Smoothly

**A**PPROPRIATIONS totaling \$1,836,733 were approved last Saturday by the house in committee of the whole. The bulk of this amount was provided in the seven measures carrying appropriations for the state charitable institutions, whose budgets call for \$1,803,765, an increase of \$214,438 over the amounts finally allowed by the legislature two years ago.

In addition to the charitable budget, the house recommended for final passage house bill 698, appropriating \$30,800 for the state sanitary livestock commissioner's department for the next two years, and house bill 689, carrying an appropriation of \$2,168 for maintenance of destitute insane persons not admitted to the state insane hospitals. The money goes to eight counties.

Total appropriations for the charitable institutions approved by the house reach \$1,803,765, compared to \$1,589,327 two years ago. By institutions, the appropriations recommended by the committee this session compare with those finally allowed two years ago, as follows: Topeka hospital, \$58,000 increase; Osawatimie hospital, \$54,000 increase; Larned hospital, \$17,931 increase; Parsons hospital for epileptics, \$7,750 increase—Parsons drew a \$50,000 building two years ago; Winfield home for feeble-minded, \$6,500 decrease; Atchison Orphans' home, \$2,875 decrease; Norton Tuberculosis sanitarium, \$92,632 increase.

### Table of Appropriations.

Following is a comparative table showing the appropriations allowed each of the charitable institutions two years ago and those provided in the committee bills this session:

Institution—	1915 legislature.	1917 W. & M. committee.
Topeka hospital .....	\$442,000	\$500,000
Osawatimie hospital .....	405,000	459,000
Larned hospital .....	81,269	109,200
Parsons hospital .....	274,250	266,500
Winfield home .....	199,500	202,000
Atchison Orphans' home .....	116,000	113,125
Norton sanitarium .....	61,308	153,940
Totals .....	\$1,589,327	\$1,803,765

### Not Much Done.

Except for the action of the house in getting half way thru the state highway commission bill, the Kansas legislature didn't do much in the week ended Saturday, February 10, in the way of completed legislation. The scheduled getting-down-to-work and settling of the more important legislation was practically all put over until this week, when things really were expected to happen. In five weeks no big measure of really state-wide importance has become law. On the other hand, the committees are farther ahead in their work than for years, and that means the legislators will have a better chance to settle down to business and get out of Topeka by March 10 to 12, instead of hanging over until nearly the end of the month.

### Twelve Measures Become Laws.

In the last week only 12 measures passed both branches. The house passed seven senate measures on final roll call. The senate passed five house bills. Each passed about 40 measures originating in its own end of the capitol building.

Good roads probably have more interested followers this year in Kansas than almost any other branch of legislation. The house settled down Friday, and Saturday morning last week, and ground out 31 sections of the 62 contained in the Bardwell committee measure providing for a state highway commission. This bill was to be taken up again Monday, February 12. In the senate the good roads measures were made special orders for the first three days of the week, with the constitutional convention set for Tuesday afternoon.

Following are the measures that are recorded as having passed both branches of the legislature in the last week:

### Passed by the House.

Senate bill 323, by ways and means committee, appropriates \$1,000 annually for the next two years for school district 75, at Lansing.

Senate bill 213, by Senator Wilson, to give the state board of health control over the

construction of burial places constructed above ground.

Senate bill 123, by Wilson of Washington, allows state banks to invest in state and municipal bonds of states other than Kansas, to which they are limited under the present law. This bill now goes to the governor for signature.

Senate bill 40, by Carroll of Wabaunsee, makes cashing a worthless check a misdemeanor if the check is for less than \$20, or a felony if for \$20 or more. This measure was enacted in 1915, but is rewritten in senate bill 40 to correct an error in the law.

### Passed by the Senate.

House bill No. 543, by ways and means committee, appropriates for emergency purposes \$38,000 for state printing plant, which includes \$30,000 for printing and binding material.

House bill 40, by Paul of Marshall, allows all counties to issue bonds to fund present floating indebtedness.

### The Women Forgotten?

The legislature has done nothing for women. Not one of the measures proposed by them has become law. There seems to be no chance for a law requiring the publication of marriage banns, this session at least. The measure has been taken off the calendar. The equal property rights for women bill, once killed in the house judiciary committee, bobbed up again yesterday, both in the house and senate, when Martin of Reno, introduced such a bill in the house, and Schoch of Shawnee, an identical measure in the senate.

The measures having the backing of the women's lobby got past one house during the week. The house took favorable action on the Graham anti-cigarette bill, the free kindergarten bill, the movie censorship and a second mothers' pension measure. The senate gave a woman's measure a favorable vote for the first time in the session when it passed the Schoch measure raising the majority age of girls to 21 years. None of these measures has got past the committees in the second branch. The house passed the Wells bill, to restore John Brown's cabin and provide for the upkeep of John Brown Memorial park at Osawatimie. The senate committee already has reported it favorably. The bill is backed by the Woman's Relief corps and the Native Daughters of Kansas.

### Report Carrie Nation Fountain.

The Carrie Nation memorial bill, to allow the W. C. T. U. to build a memorial fountain to Mrs. Nation on the state house grounds scored a point in the last week by receiving a favorable report from the senate committee on buildings and grounds. The bill is in both houses, but no action has been taken by the house committee. Both of the D. A. R. measures, the bill for the adoption of the state flag and the Oregon trail bill, have not yet been reported by a committee in either house or senate.

### A Junior College.

Huffman in the senate and Mayhew in the house have introduced a bill authorizing high schools to provide for the teaching of advanced agriculture, to provide for agricultural extension work, to require certain high schools to qualify, and allowing the local school district in which the county high school is located to levy a tax to assist in such advanced agricultural work.

The bill provides that any high school having satisfactory rooms and equipment and having shown itself fitted by location and otherwise to give training in advanced agriculture and to carry on a definite course of agricultural extension work, shall be approved by the state board of education for such advanced work. The bill strikes a popular chord in the provision that instruction in agriculture shall be of a practical character, and when necessary to accommodate a reasonable number of students who desire to attend only during the winter months, special classes shall be formed for such students dealing with soils, crops, fertilizers, drainage, farm machinery, farm buildings, poultry, breeds of livestock, livestock judging, animal diseases and remedies, production of milk and cream, testing of same, horticulture, gardening, plants, and such other questions as have a direct relation to the business of farming, including farm arithmetic and ac-

counting, rural improvements, and farm management. It shall also include systematic courses in home economics. Every school approved by the state board of education must make an annual detailed report to that board. County high schools in counties with an assessed valuation of not less than 20 million dollars shall qualify according to the provisions of this act. The board of education or the electors at the annual school meeting of the school district in which the county high school is located are required to make an annual levy of not to exceed 3 mills on the dollar of the assessed valuation of the school district to assist the high school in qualifying for advanced agricultural work; in no case, however, shall the amount raised by the local school district be less than \$2,500.00 unless the maximum levy raises a less amount.

Whenever the board of education or the board of trustees of any high school shall deem it practicable and necessary, the course of study prescribed for accredited high schools by the state board of education may be extended to include the first and second years of college work, provided such extension work shall be approximately equivalent to the first two years of the agricultural course at the state agricultural college. Such work of college grade to be approved by the state board of education and accredited by all state institutions of higher learning in Kansas.

### High Prices for Pork

BY W. H. COLE  
Cowley County

The price at which fat porkers are selling brings joy to the hearts of those who have a few to turn off; but it happens there are fewer swine in this locality than for many years. There are two reasons for this. For two consecutive years the cholera has taken a heavy toll of the swine and this coupled with the shortage of corn has caused the farmers to hesitate considerably about going into the hog raising business very heavily.

Only a small acreage of oats was put out on this farm last season, and as the year was none too favorable for their growth they did not yield very heavily. The horses and colts seemed to relish them even if they were on none too good a quality and we dipped into them so frequently that we made up our mind some time ago that there were not enough of them left for seed. So one of our recent cash outlays was 67½ cents a bushel for seed, a good grade of Red Texas oats.

We have plowed the garden. Usually we try to do this earlier but somehow we were unable to get at it any sooner this time. A heavy dressing of well-rotted manure will be applied soon and then, about March 1, we shall plow it again. The last plowing will be deep. After a thoro harrowing the soil will be in excellent condition.

We notice the cold weather has killed all the leaves on the wheat. Still the horses and cows seem to like it very much. This is the time when we think the pasturing of wheat is beneficial. The freezes have filled the ground with tiny cracks, some of them so deep that the wheat roots may be seen. With the surface of the ground dry the constant tramping of the stock has a tendency to fill these cracks with dust and dirt. In this way the wheat roots are protected from the frost, and by filling the cracks the evaporating of moisture is arrested.

This has been a good winter for the rural mail carriers. Most of them use motor cars, and the roads have been almost ideal. The few showers have improved the condition of the highways. On this farm the mail is delivered a few minutes before 8 o'clock every week day morning which gives us about as good advantages, as far as mail service is concerned, as are enjoyed by most residents of the city. The patrons of this route are very proud of the record of

their carrier. During the 12 years that he has traveled the route he has never missed a delivery on account of bad weather or illness.

A recent chore was the smoking of the meat, which will be our supply for the coming summer. The hogs were slaughtered about eight weeks ago, and the meat has been in the sugar cure since that time. The hams and shoulders, which weighed an average of 28 and 23 pounds were cut into two pieces each so there would be no possibility of their not getting a sufficient amount of the cure to keep them thru the trying heat of summer. The smoke used was the prepared liquid smoke which not only imparts a very fine flavor to the meat to which it is applied but seems to have the added virtue of keeping insects from molesting it.

### Analyzing Farm Business

That the farmers of the country are adopting more and more the practice of analyzing their business carefully and using this analysis in keeping books was brought out recently in the hearings on the agricultural appropriation bill before the committee on agriculture of the House of Representatives. The Office of Farm Management of the United States Department of Agriculture has provided in Farmers' Bulletin No. 661 blanks for analyzing a farm business in such a way that the farmer can readily ascertain the various sources from which he derives his income, the ways in which he spends his money, the total income from the farm, and the amount which should be charged off for interest on his investment.

County agents, it was said, make much use of this bulletin. They take it to the farmer, sit down with him, and work out with him a complete analysis of his business, so that he is able to see exactly in what respects he is losing money and in what respects he is making it. Furthermore, these blanks are used frequently when farmers write to the department for advice and assistance. In such cases it is customary to send the inquirer the bulletin, with the request for him to analyze his business. The information thus obtained is compared with similar information on file in the department and the specialists in the Office of Farm Management are thus enabled to point out the mistakes which are causing trouble in any one individual case.

Approximately one-third of the farmers who have been induced to analyze their business in this way, it is said, are now keeping books. Hitherto, many farmers have been discouraged from this by the apparent complexity of the systems employed. By simplifying these systems so that the farmer can tell what the figures are all about and how to use them, the department is increasing the amount of bookkeeping being done on the farms.

### Cement Men to Kansas City

The Southwestern Concrete Association with a strong membership among contractors and cement users throughout the Southwestern states, has announced its definite plans for the first annual convention and show—Kansas City, February 19 to 24, which will be held in Convention Hall. Seventy-five of the leading manufacturers of cement, cement products and machinery, from all over the United States will be represented.

In speaking of the matter, Mr. Garnett B. Appo, president of the Southwestern Concrete association of Kansas City, said:

"The association will hold its sessions at the Coates House and Convention Hall during the last five days of the show week. The programs of the week will bring to Kansas City the leading authorities in the field of permanent construction who will present papers and lead discussions covering all phases of the subject. The sessions are so arranged that visitors to the city will be able to spend their mornings in convention session and afternoons and evenings in Convention Hall."

The acreage of Sudan grass in Kansas will be far larger in 1917 than ever. More than 31,000 acres of this crop was grown in the state in 1916. While the yields were not so good as they had been in the two previous years, due to the unfavorable spring, the crop has well demonstrated that it has a big place in the Middle West.





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# Give Trees a Chance

## The Farm Woodlots in Kansas Can be Made More Profitable

By C. A. SCOTT

THE CARE of woodlots is an important item in farm management that has received but little attention in this state. Every acre of natural or planted timber growing on Kansas farms should be a source of income and profit. The products from the woodlot are sawlogs, ties, poles, posts, fuel and nuts.

The sawlogs from the Kansas woodlots supply excellent lumber for interior use in farm buildings. It is especially serviceable for joists, beams, studding and sheathing for houses, and for floors and partition boards for bins and stalls in barns and sheds. For such uses our native lumber is more durable and satisfactory than the pine lumber from local lumber yards. Many of our native logs are made into box boards and crating material at the local mills, and command a good price for such uses. In some sections of the state the native logs are in good demand at barrel stave and head factories. The cottonwood is recognized as one of the best woods for staves of flour, vegetable and fruit barrels. The elm, hackberry, ash and Soft maple are used extensively for barrel headings. The Black walnut logs are considered too valuable for local consumption, and most of them are bought by wholesale walnut log buyers and shipped to eastern consumers. Second growth hickory is in good demand at vehicle factories, and cordwood finds ready sale at good prices at the packing house centers, where it is used in smoking cured meats.

There are 1/2 million acres of natural timber in Kansas. This is considered waste land by many owners because the returns do not pay the taxes and a reasonable interest on the investment. The stand of timber on this land is of little value, because for the last 50 or 60 years the settlers and owners have gone into the wood lot from year to year and cut the best trees for their particular needs and have left such kinds as the White elm, hackberry, Soft maple, sycamore, basswood, Water oak and like species. These now occupy ground that might well be producing such trees as Black walnut, Burr oak, cottonwood, Red cedar or Austrian pine.

In Eastern Kansas the natural timber is found on three distinct types of land: the overflow land along the rivers and tributaries, the steep hillsides facing these water courses, and the gravelly and sandy land in certain sections. By far the greater area of this is included in the first class mentioned, the overflow lands along the water courses. This is the richest land in the state, capable of producing timber that under proper management will return profit and interest on the value of the land. The trees adapted to such land are the cottonwood, Black walnut, Burr oak and pecan.

The rough hillsides and steep slopes

now having an unprofitable stand of Black and Red oak, hickory, ash and other similar growth are capable of supporting an excellent growth of trees. The trees adapted to this soil are the native Red cedar and the Austrian pine.

The gravelly and sandy land now occupied almost exclusively by Post oak and blackjack is a poor type, mostly unfitted for agricultural purposes. The Post oak soil makes fair grazing land. When cleared and farmed, the blackjack land frequently becomes exhausted of its fertility and blows and drifts with the prevailing wind. Both types are capable of producing excellent trees. The species suitable for these soils are the Red cedar, Austrian pine and Chinese arborvitae.

The land and the character of the growth on it must determine the details of the method to be employed in the improvement of the woodlot. The general system will be the same in all cases, and will consist of three distinct operations:

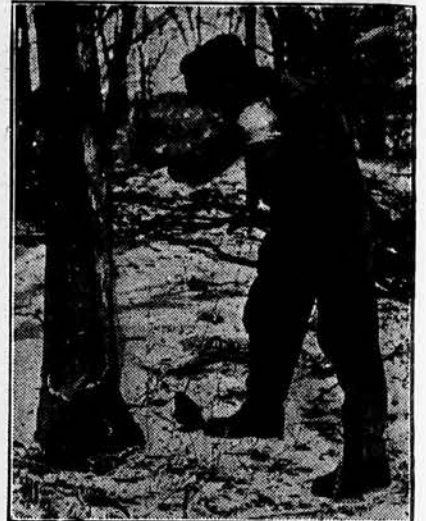
- 1st. Thinning; cutting out all mature trees that are worth as much now as they will be at any future time, and undesirable trees of all ages or sizes.
- 2d. Planting; restocking the land by planting seedling trees or seeds of desirable species.
- 3d. Protecting the young trees against injury from excessive growth of weeds, fire or livestock.

The first step involves the greatest amount of work and possibly the greatest expense. All the mature trees should be cut to make room for the smaller trees now growing with them, and to make room for planting seeds or seedlings of desirable trees for future crops. The undesirable trees of the present stand, regardless of their age or size, should be cut to make room for as many trees of the more valuable species as possible. This cutting may be done by the group or strip system. The group system consists of cutting the trees in groups of irregular areas here and there thru the woodlot. One or more groups may be cut every year until the entire woodlot has been cut over. This system probably will be found to be the most satisfactory in Kansas woodlots.

The strip system consists of laying off the woodlot in a definite number of strips and of cutting one strip a year until the woodlot has been gone over.

In order that the woodlot may yield the greatest possible crop of wood, the land must be kept fully stocked with growing trees. The number to the acre will vary with the age and size of the trees. E. L. Sponsler, of the University of Michigan, is authority for the following table which gives the number of trees at different sizes necessary to keep the ground fully stocked.

Diameter.	No. an acre.
2 inches .....	2000
4 inches .....	900
6 inches .....	510
8 inches .....	320
10 inches .....	235



Cutting Out the Dead Elms.

12 inches .....	170
14 inches .....	130
16 inches .....	100
18 inches .....	85
20 inches .....	75
22 inches .....	65
24 inches .....	55

The diameter of a tree is measured at 4 1/2 feet above the ground.

To give a clearer idea of the trees in a full stand, the following table gives the number of trees an acre for the different spacings.

Spacing.	No. plants.
3 x 7 feet .....	2074
4 x 5 feet .....	2178
4 x 12 feet .....	907
5 x 9 feet .....	968
6 x 8 feet .....	907
7 x 12 feet .....	518
8 x 10 feet .....	544
9 x 15 feet .....	322
10 x 15 feet .....	290
10 x 18 feet .....	242
10 x 20 feet .....	217
10 x 24 feet .....	181
15 x 18 feet .....	161
10 x 30 feet .....	145
12 x 30 feet .....	131
15 x 30 feet .....	96
18 x 24 feet .....	100
20 x 20 feet .....	108
12 x 42 feet .....	86
15 x 36 feet .....	80
12 x 48 feet .....	75
24 x 24 feet .....	75
18 x 36 feet .....	67
12 x 60 feet .....	60
15 x 48 feet .....	60
24 x 30 feet .....	60
15 x 64 feet .....	53
18 x 42 feet .....	57

The planting may be done at any convenient time after the thinning. The best time and the best method to follow will be determined by the ground and the kind of trees to be planted. Walnuts and acorns may be planted in the fall, soon after they ripen, or early the following spring, in holes 4 or 5 inches deep, made with a spade or mattock. Enough nuts or acorns should be planted to insure a stand of not fewer than 2,000 seedlings an acre. This will require a plant on every 20 square feet.

#### Plant Seedlings in March.

If seedlings are used in restocking the woodlot, they should be planted in March or April. These should be set in sufficient numbers to insure a full stand of trees. Because of the stumps and roots in the ground, a regular spacing cannot be made, but enough trees can be planted to get a full stand. Seedlings of the broadleaved species from 3 to 8 feet in height, and evergreens from 15 to 24 inches in height will give the best results. These must be planted in holes, dug with a spade, large enough to receive the roots spread in natural order.

The reason for planting seeds and seedlings much thicker than the trees can grow is to shade the ground as soon as possible, to keep down the weeds, to protect the ground from the drying effects of the sun and wind, and to develop trees with tall, straight stems clear of large limbs to as great a height as possible. When not crowded, trees develop short stems that divide into several large limbs near the ground and are of little or no value for lumber, poles or posts.

Say you saw it in the Farmers Mail and Breeze.



Oak Trees in Eastern Kansas; Stands of this kind should be the ideal in Every Woodlot in the State.



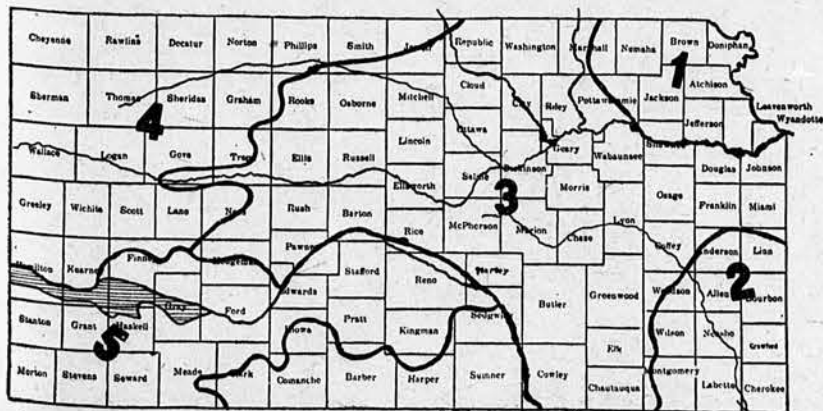
**By F. B. NICHOLS, Associate Editor**

"Soils are composed of two distinct kinds of material, that which was formed from the breaking down of rock, called rock material or inorganic matter, and that formed from the partial decay of plants, called plant material or organic matter. The quantity of organic matter in Kansas soils is almost always small because it is constantly decaying. Usually not more than from 2 to 5 pounds out of every 100 pounds of the surface soil consists of organic matter. When the soil is cultivated the organic matter de-




Local problems are presented in almost all sections. In Southeastern Kansas some soils require applications of lime; other fields need phosphorus. Care

When a farmer lives in 2 or 3 miles of a railroad station and has a good road over which to haul, he usually can obtain ground limestone in carlots and haul it to the farm as cheaply as he can secure the product of a portable crusher. In case of a long haul the cost is increased greatly. To this class of farmers, the obtaining of the product of a nearby portable crusher is a great advantage. Furthermore, when patronizing the portable crusher he can haul the ground limestone at his own convenience. Frequently in late summer and early fall there are periods when other farm work is not pressing and the roads are in good condition. At such times a farmer's labor is not worth so much as at seasons when other farm work is pressing. Even if he had to pay 25 cents a ton more for the product of a portable crusher, he would frequently gain by doing so rather than by buying limestone in carlots and having it shipped in. Portable crushers under Kansas conditions will reduce the cost of the limestone to a low point. They will do much to encourage the use of this material on Kansas farms.



**A Map of Kansas Which Shows the Districts Based on the Larger and More Important Differences in the Soils.**

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Several advantages are derived by farmers from co-operation in marketing their stock. Foremost among them is the greater net return to the farmer. Returns from thin stock, calves and

(Continued on Page 28.)



## Come Into the Poultry Club

Read these Rules Carefully then Fill out the Coupon on the Cover Page and Send It In

**T**HE FIRST five girls in every county in Kansas who file recommendations shall be official county representatives. These recommendations shall be signed by two disinterested farm women who personally know the applicant. The age limit shall be 10 to 18 years. Only girls living on Kansas farms are eligible for membership. Applications will not be considered after May 15, 1917. Members are to be organized into county clubs with a county leader and into breed clubs with officers. Each variety in the breed club shall be represented by one girl as assistant secretary. The breed club membership fee shall be 25 cents, to be paid to the breed club secretary-treasurer before July 1, 1917. No part of this money goes to the Capper Poultry Club. It is to be used in promoting breed club work.

### Farm Flock Record Keeping.

After being notified that she is chosen, and not later than May 31, 1917, all fowls in the farm flock, old, young, and 1917 hatch, (including turkeys, guineas, ducks and geese) shall be counted and an estimate of value at market price made by the club member, her mother or guardian and the two persons who recommended her. This count and valuation shall be sent to Mary C. Williams, Secretary, Capper Bldg., Topeka, Kan. Any fowls purchased during the year shall be valued at market price and the amount added to this record.

Beginning with the count and valuation of the farm flock a market price record of all feed given the flock, including grit, charcoal, medicines and poultry foods, shall be kept for one year. Also a record of all income from the farm flock, figured at market price, shall be kept for one year. The value of eggs and fowls consumed at home shall be estimated, a daily record made, and added to the income.

One year from date the flock count and estimate was made in 1917, the farm flock again shall be counted and its value estimated by the same persons. Add the 1917 valuation and any fowls bought to the feed charge, deduct this amount from the income figures added to the 1918 flock valuation and you will have the year's profit record. The farm flock need not be purebred, but purebreds may be entered. Records must be kept by the club member, but any member of the family may assist, subject to her supervision.

### Contestant to Enter Purebreds.

Not later than May 31, 1917, when record keeping for the farm flock is begun, every member shall enter 20 purebred chicks (chickens) in the contest. These chicks must be toemarked or otherwise marked for identification, must be of one variety and hatched within 10 days of one another. When entered the valuation shall be based upon the cost of the chicks when purchased or the value of the eggs from which they were hatched. For instance: if \$3 was paid for 30 eggs the 20 chicks hatched would be entered at \$2. The total value shall not exceed \$10. This flock shall be cared for by the club member. The value and date of entry in the contest shall be reported to the Capper Poultry Club secretary.

As compensation for keeping the farm flock record the club member shall be provided feed charged against the farm flock, without charge to her. She shall keep a separate record, too, giving all income from her contest purebreds. Sales of cockerels or capons, of eggs for hatching or baby chicks, and market value of eggs laid after February 1 and not sold for hatching or set, and prizes won shall constitute income. Pullets shall be penned February 1, 1918. A male or female not to exceed \$10 in value may be purchased and charged to expense. This record shall be kept until May 31, 1918, when the contest ends. When the year's record for the farm flock is completed an estimate of feed given the contest purebreds, based on average for fowls in the farm flock, shall be made, deducted from the farm flock feed charge and charged against the purebreds. Any feed given after that date until May 31 also shall be charged. May 31, 1918, the contest purebreds shall be counted (including chicks hatched in 1918 which shall have been marked for identifica-

tion) and the value estimated at double market price by the same persons who estimated value on the farm flock. Male or males purchased shall be valued at the original amount paid. Charge first cost of chicks, feed, entry fees at shows and fairs, male or males bought. Deduct the total from income record and 1918 valuation of contest purebreds and you will have the contest profit record.

Not later than June 10, 1918, every club member shall send the year's record for the farm flock and the record for the contest purebreds to Mary C. Williams, Secretary, Capper Bldg., Topeka, Kan. Along with the records shall be sent a story telling "How I Fed and Cared for My Purebred Contest Fowls." The contest will be judged on this basis:

	Points
1—Farm flock profit record.....	40
2—Contest flock profit record.....	35
3—Both flock records and story.....	25

These cash prizes will be awarded the girls making the highest grades:

First Prize .....	\$20.00
Second Prize .....	10.00
Third Prize .....	5.00
Fourth Prize .....	3.00
Fifth Prize .....	2.00

Ten additional prizes of \$1 each.

### SPECIAL COUNTY PRIZE.

Five dollars each to the five girls in one county who make the highest grade for a county club. Only girls living in counties with a complete membership eligible to compete for the special county prizes.

### SPECIAL PRIZE FOR PEP.

Five dollars to the girl appointed as a county leader who proves to be the best booster for her county and for the club.

### AND PRIZES FOR MOTHER, TOO.

These cash prizes will be awarded to the mothers or guardians of the four girls who win the first four prizes:

First Prize .....	\$10.00
Second Prize .....	5.00
Third Prize .....	3.00
Fourth Prize .....	2.00

The contest purebreds and all profits from the contest purebred flock shall be the property of the club member.

Diplomas of honor will be sent to all girls who win prizes and certificates of achievement to all girls who finish the contest and send in reports. Girls who win cash prizes will be required to make affidavits that their farm flock records and records of profits from their purebred stock are correct to the best of their knowledge.

## Capper Needed in Nebraska

In the extract which we have printed from the inaugural of Governor Capper, of Kansas, he hits the nail of top-heavy and extravagant government squarely on the head in a way just as pertinent for us in Nebraska as for his constituency in Kansas. It is so self-evident that we are governed too much, or rather have too much governing machinery, that further demonstration is unnecessary. As Governor Capper says, the multiplication and complication of unnecessary boards, commissions and officers charged with the conduct of public affairs would never be tolerated for an instant in private business and there is no good reason why the state and county and city should cling to wasteful and obsolete systems and refuse to adopt modern labor-saving, time-expediting and money-economizing methods.

Nebraska's state house is about as board-ridden and commission-ridden as it well could be and yet we have proposals for more boards and more commissions. Here in Omaha we have four sets of local governments—county, city, school district and water district—doing business over the same territory and for the same people on money coming out of the same pockets. We seem unable to realize that the high cost of living and the high cost of government are closely related and every merger of governing authorities is offset by the creation of new officers.

There is no doubt that if we could have the machinery of our state and local governments recast and rebuilt on efficiency lines we could save for the taxpayers at least half of their money or, rather, give them 100 cents of return for every dollar for which they now get only 50 cents value. Why then, should we wait until the load becomes unbearable before setting about in earnest to lighten it?—Omaha Bee.

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1101 Interstate Bank Building, New Orleans, Louisiana

## The Farmer's Concrete Mixer SHELDON Batch Mixer Price \$11<sup>50</sup> Up

The Sheldon was designed especially for the farm. Highly praised by users. Farmers everywhere call it the ideal mixer. Used today all over the United States. A big success. Small enough to be easily moved—big enough to keep 6 men busy. Low in price. Build your own silo, tanks, troughs, floors, foundations, buildings, etc., out of concrete with a Sheldon Batch Mixer.

**Read What These Sheldon Owners Say**  
I used my hired man to lay a foundation for my house. It took him one day; also put floor in my cow barn. My neighbor liked it so well I can't wait to keep it at home.  
—ANDREW CHRISTENSEN, Hancock, Minn., R. 1.

We have used the mixer during past year for putting in cement foundations for a complete set of farm buildings, including silo, and built very much.  
—DANA WRIGHT, Jamestown, N. D.  
Last year I bought a cement mixer from you with which I am well satisfied. It did not take long for me to pay for itself and I surely can recommend it to anyone needing a big mixer at a small price.  
—W. M. PARKS, Martinsburg, Ill.  
I am more than busy with my Sheldon Concrete Mixer. Have more work than I can do. I get 2 1/2 a day when I work out—JAMES L. WITTE, Wellsville, N. Y.  
The machine works fine. Have already got the job of mixing concrete for the bridge in this township—JOHN ROSS, Spartansburg, Pennsylvania.  
Last spring I purchased of you a set of castings to make a concrete mixer. It was constructed per the plans furnished and it surely worked great.—D. M. BAKER, Freeport, Ill.

**FREE PLANS**

Make your own concrete mixer. You can do it at a cost so low you can not afford to mix concrete by the shovel method. Along with our iron parts we send Free Plans and permit for making your own machine. A good way to get a practical mixer at a small expense. Or, we will sell you the complete machine, ready built.  
**Make Big Money at Concreting**  
If you buy a Sheldon Mixer for your own use, you can make many times its cost in a season by renting it to your neighbors. Or, if you want to go out with the mixer on contracts, you can easily earn \$3 to \$20 a day. Our customers are doing right now. The jobs go to the man with a Sheldon Mixer every time.  
**Write for Our New FREE Catalog**  
Shows our full line of mixers which are sold direct to you on strong guarantee. Thirty days trial privilege. No other like it. Patented. Two styles, hand and power. Mixes 2-2 cubic feet a minute. One man can operate it, but it will keep 2, 3, 4, 5 or 6 men busy. Continuous chain drive. Tipping dump. Easily and quickly moved. All parts guaranteed. Does work equal to \$400 mixers. Be sure to get the catalog. Write today.  
**SHELDON MANUFACTURING COMPANY, Box 4730, Nehawka, Neb.**

### My New Special Offer

I want to tell you about my co-operative plan by which you can get my time-tried, thoroughly proven Sheldon Batch Concrete Mixer at little or no cost to you. I want ten men in every county to accept my special co-operative offer right now. Are you going to be one of the ten? Write and say: "Send me special offer."

The Sheldon will pay for itself on first small job. Takes the backbone out of concrete. Makes possible those many small improvements that add so much to the value of your land.  
**SHELDON MANUFACTURING COMPANY, Box 4730, Nehawka, Neb.**

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Remember, the OilPull is a kerosene tractor from *start to finish*. It isn't a makeshift combination gasoline proposition. The fact is, the OilPull gives *more power* on a gallon of kerosene than competing tractors of the same size on gasoline.

In addition to cutting your operating costs in half, the OilPull has all the qualifications you want in your tractor. It is an all-purpose outfit and will handle *all* your power jobs, draw-bar or belt. It is oil cooled—there's no danger of the radiator freezing and no bother with cooling water.

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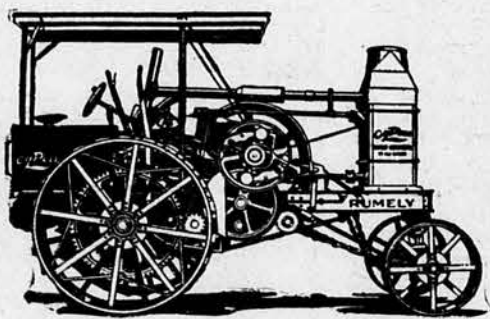
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## New Methods Were Studied

More than 1,500 Farmers Went to Manhattan Last Week

BY F. B. NICHOLS, Associate Editor

**M**ORE THAN 1,500 farmers attended the meetings of Farm and Home week February 5 to 10 at Manhattan. This is the largest attendance on record, which seems to indicate that the change in the date of the meeting to February is popular. Much interest was taken in the addresses and discussions. There is a general appreciation of the need of careful study of the conditions under which the business of agriculture in Kansas is laboring. These problems have been produced largely by the changes in values of labor and other things required in operating a farm which have made a great increase in the production costs.

The tenancy problems of Kansas were discussed by Dr. H. J. Waters, president of the college. Dr. Waters showed in this address that the present system of one-year leases on a grain farming basis in Kansas is rapidly reducing the crop yields and ruining the soil fertility with but little profit either to the owners or the tenants. He showed that a permanent and more profitable tenant system must be established if Kansas is to make the right progress in the next few years. He believes that longtime leases which provide for the joint ownership of livestock to eat the crops will help greatly in the solving of these problems. A system of this kind must be based on a good crop rotation and all the manure must be returned to the soil.

#### Better Pastures.

Ralph Kenney told of his work in improving pastures on the Casement ranch north of Manhattan, in an address before the Kansas Crop Improvement association. He spoke of the decline in the yields from the grass lands of the state,

the previous year, as well as any young plants just starting. A part of this damage is overcome, however, by burning before the crowns and the soil have become thoroly dry, thus preventing close burning. The early growth of grass left without protection and the early grazing while the soil is damp provide ideal conditions for the weakening of many plants and for their elimination under the burning system of pasture land management.

#### Forage Sorghums.

H. N. Vinnall of the office of forage crops of the United States Department of Agriculture talked on the importance of increasing the acreage of forage sorghums in Kansas, especially in the Western half of the state. He told of the work which is being done in the breeding of these crops, which is making them better adapted to the conditions in this state.

There was much talk among the men interested in truck crops of the importance of increasing the acreage of potatoes in the state this season. Many carloads of potatoes from other states and from Canada have been sold in Kansas in the last few months. Fred Merrill told of the work the horticultural department has done in the growing of this crop. He urged the importance of more care in seedling preparation and in selecting and treating seed.

Cattle breeding came in for a great deal of consideration from the farmers who attended the meetings of the Kansas Improved Stock Breeders' association. E. N. Wentworth, professor of animal breeding, spoke on the importance of having a definite ideal for the breeding work. He showed the value of eliminating scrubs; this is especially important in these days of high prices for feed.

John Clay of Chicago delivered an address on the development of the cattle business, from the range to the feed lot. He told of his experiences on the range many years ago, and of how the business of producing cattle has changed from a range to a cornbelt business. In this address he showed that encouraging progress is being made in getting more efficiency into the way cattle are produced. The methods used in the early days were inefficient, and there were large losses from storms, diseases and a lack of feed in the winter which have been prevented recently.

#### A Future for Sheep.

Sheep breeders believe there is an excellent future for this business in Kansas. They told of the large demand in the last few months for breeding animals. Much of this demand has been for foundation stock for small farm flocks. The new officers of this association are A. L. Stockwell, Larned, president; Henry Schloh, Natoma, vice-president; and A. M. Paterson, Manhattan, secretary.

New officers of the Kansas Crop Improvement association are: Carl Wheeler, Bridgeport, president; J. J. Johnson, Eldorado, vice-president; B. S. Wilson, Manhattan, secretary-treasurer; board of directors, Prof. L. E. Call, K. S. A. C.; Harry Umberger, K. S. A. C.; John Brown, Atchison; R. A. Muir, Salina; and L. C. Swihart, Lovewell.

The Kansas Swine Breeders' association elected Fred Laptad, Lawrence, president; Carl P. Thompson, Manhattan, secretary-treasurer. Vice-presidents chosen for the breeds are: H. P. Walters, Effingham, Poland China; George M. Klussmeyer, Holton, Duroc Jersey; George Porteous, Lawrence, Berkshire; J. E. Powell, Waldron, Hampshire, and Art Mosse, Leavenworth, Chester White.

The boys and girls were much in evidence during the week. Several large delegations arrived; Lee H. Gould of Dodge City, district demonstration agent for Southwestern Kansas, brought 25 young persons with him. H. L. Popenoe of Emporia, county agent of Lyon county, came with 14 boys and girls.

Farm and Home week has become an important annual event in the agriculture of Kansas. The attendance is increasing every year. It is a great forum for the discussion of the progress of the business of farming in Kansas.

Say you saw it in the Farmers Mail and Breeze.

Corporations reporting profits or declaring dividends of from 50 to 100 per cent are common. We read of them almost daily in the news. One of them, the Steel Trust, is making 50 per cent on watered stock, which means about 100 per cent real profit, and at the same time has advanced its prices 100 per cent. Not only is big business exacting this high toll, but little business. It has combined into trade groups and is as greedy and as overreaching in its demands as the Price Giants. The public must pay what both ask or do without necessities. We condemn loan sharks and usurious bankers, but food pirates, clothing pirates, fuel pirates and a long line of other pirates and parasites, can hold us up at will and do it with right good will. Some day the big lumbering public thru its government is going to demand and get a square deal.

and urged the importance of improving them so high yields would be obtained. The plan of improvement used on the Casement ranch is the deferred system of grazing, in which one-third the pasture land is given a rest every third year until the grasses have matured seeds. This system can be used profitably on most pastures in this state.

"Kansas is well known for its crops of wheat and corn," said Professor Kenney, "but few persons realize that the grass lands of the state cover an area almost twice as great as the annual acreage of winter wheat and corn combined and represent a value of 500 million dollars.

"Many farmers follow the practice of burning their pastures early in the spring to get rid of the dead, coarse, unpalatable grass stalks left over from the previous year's grazing. They have found by experience that cattle do better early in the grazing season upon pastures so treated. The young, tender, succulent plants make more rapid growth and cattle find it more accessible when mixed with dry growth.

"While better results in pasturing are obtainable early in the season on burned over fields, the ultimate effect on the stand of grass, and especially of the choice forage stand is bad. The burning cannot help but destroy the crowns of many of the plants, and also much of the seed that might have been dropped

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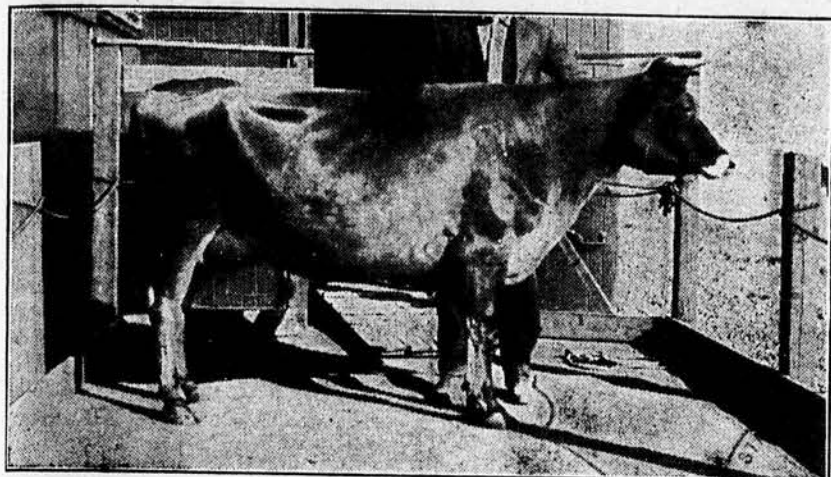
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## Don't Miss the Dairy Train

Lecturers on the Santa Fe, Next Month, Will Urge Poultry, also, as an Ideal Asset



DAIRYING and poultry culture have passed out of the experimental stage in Kansas. Their successful future is assured. Communities realizing this to be true, a few years ago, placed the dairy cow and the hen at the head of their industries. Dickinson county, one of the pioneers in dairying, has grown prosperous, with farms well improved, kept up to the Kansas producing standard. Farmers around Mulvane have an income of thousands of dollars monthly from dairy cows.

Convinced that Kansas is capable of becoming a better dairy state than Wisconsin, because of its many advantages, the Atchison, Topeka & Santa Fe railway, with the co-operation of the Kansas State Agricultural college, will run, March 6 to 31, a poultry and dairy demonstration train thru the Eastern part of Kansas. Meetings will be held at 105 cities and towns. The train will be run under supervision of C. L. Seagraves, industrial commissioner of the Atchison, Topeka & Santa Fe railway. H. M. Bainer, agricultural and industrial commissioner, will be in active charge. Speakers from the agricultural college who will be on the train at different times include:

Prof. O. E. Reed, head of the dairy division; Prof. J. B. Fitch of the dairy division; A. S. Neal, extension specialist in dairying; George H. Hine, state dairy commissioner, or O. I. Oshel of Gardner, Kan.; Ross M. Sherwood, acting head of the poultry department; and F. E. Fox and T. S. Townsley, instructors in the poultry department. Negotiations for other speakers are under way.

Farmers visiting the train will be encouraged and informed in the extension of the dairy and poultry industries. Cows and hens will be urged as means farmers can use in putting themselves on a cash business basis. If crops fail, and farmers depend upon crops alone, they have to go to their merchants and ask credit until another crop evens things up. The dairy cow and barnyard hen will nearly always produce on the results of poor years, and bring in something every day.

Experts aboard the special will encourage winter-dairying, as the idea of having cows freshen in the spring, to get bigger milk production, is a mistaken one. Mr. Bainer declares that a fall-fresh cow will produce one-fifth more than a spring-fresh one. Feed in winter is higher, but the high price of products more than makes up the difference. After a cow has produced all

winter, spring grass keeps up the supply until pastures get dry in the late summer. The cow gets a rest in the hot summer when she needs it most. Fall calves also do better than spring ones. At weaning time, the fall calves are ready to go on grass and keep right on growing. Spring calves have to go on dry feed at weaning time.

Mr. Bainer says a successful dairy cow should produce one pound of butter-fat a day during her period of lactation, or 300 pounds a year. If she produced only 250 pounds it would be worth \$75 at 30 cents a pound. Feed consumed by a good cow could not be sold for more than \$30, he says, and the calf, skim-milk and manure will pay good wages for feeding and general care. That would make a net profit of \$45 a cow or \$450 a year for 10 cows, the ideal herd for the average Kansas farm. That amount would equal 6 per cent interest on \$7,500. Following is the itinerary of the train:

<b>Tuesday, March 6.</b>			
8:20 a. m.	Sedgwick	10:15 a. m.	
10:45 a. m.	Newton	12:35 p. m.	
12:55 p. m.	Halstead	2:40 p. m.	
3:00 p. m.	Burrton	4:45 p. m.	
<b>Wednesday, March 7.</b>			
8:30 a. m.	Hutchinson	10:15 a. m.	
10:30 a. m.	Darlow	12:00 noon	
12:25 p. m.	Pretty prairie	1:55 p. m.	
2:20 p. m.	Kingman	4:05 p. m.	
4:25 p. m.	Carvel	5:55 p. m.	
<b>Thursday, March 8.</b>			
8:30 a. m.	Norwich	10:15 a. m.	
10:40 a. m.	Viola	12:10 p. m.	
12:40 p. m.	Peck	2:10 p. m.	
3:25 p. m.	Goddard	4:55 p. m.	
5:20 p. m.	Cheney	6:50 p. m.	
<b>Friday, March 9.</b>			
8:30 a. m.	Mulvane	10:30 a. m.	
10:50 a. m.	Udall	12:20 p. m.	
1:05 p. m.	Oxford	2:45 p. m.	
3:20 p. m.	Wellington	5:20 p. m.	
<b>Saturday, March 10.</b>			
8:30 a. m.	Anthony	10:15 a. m.	
10:40 a. m.	Harper	12:10 p. m.	
12:35 p. m.	Danville	2:05 p. m.	
2:20 p. m.	Argonia	3:50 p. m.	
4:15 p. m.	Mayfield	5:45 p. m.	
<b>Monday, March 12.</b>			
8:30 a. m.	Arkansas City	10:05 a. m.	
10:35 a. m.	Winfield	12:10 p. m.	
12:55 p. m.	Burden	2:25 p. m.	
2:55 p. m.	Grand Summit	4:25 p. m.	
4:55 p. m.	Moline	6:15 p. m.	
<b>Tuesday, March 13.</b>			
8:30 a. m.	Severy	10:15 a. m.	
11:00 a. m.	Bureka	12:45 p. m.	
1:25 p. m.	Hamilton	3:00 p. m.	
3:30 p. m.	Madison	5:15 p. m.	
<b>Wednesday, March 14.</b>			
8:25 a. m.	Toronto	10:15 a. m.	
11:00 a. m.	Fredonia	12:45 p. m.	
1:25 p. m.	Longton	3:10 p. m.	
3:35 p. m.	Elk City	5:20 p. m.	
<b>Thursday, March 15.</b>			
8:25 a. m.	Benedict	10:15 a. m.	
12:00 noon	Erle	1:30 p. m.	
1:50 p. m.	Walnut	3:20 p. m.	
3:50 p. m.	Girard	5:35 p. m.	

<b>Friday, March 16.</b>			
8:30 a. m.	Thayer	10:10 a. m.	
10:45 a. m.	Chanute	12:30 p. m.	
1:00 p. m.	Humboldt	2:30 p. m.	
2:45 p. m.	Iola	4:15 p. m.	
4:35 p. m.	Colony	6:05 p. m.	
<b>Saturday, March 17.</b>			
8:30 a. m.	Yates Center	10:15 a. m.	
11:00 a. m.	Neosho Falls	12:45 p. m.	
2:00 p. m.	Garnett	3:45 p. m.	
4:05 p. m.	Richmond	5:50 p. m.	
<b>Monday, March 19.</b>			
8:25 a. m.	Gridley	10:15 a. m.	
10:45 a. m.	Burlington	12:30 p. m.	
1:20 p. m.	Waverly	2:50 p. m.	
3:20 p. m.	Williamsburg	4:50 p. m.	
<b>Tuesday, March 20.</b>			
8:30 a. m.	Ottawa	10:15 a. m.	
10:45 a. m.	Baldwin	12:30 p. m.	
12:45 p. m.	Vinland	2:15 p. m.	
2:45 p. m.	Lawrence	4:30 p. m.	
<b>Wednesday, March 21.</b>			
8:25 a. m.	Olathe	10:15 a. m.	
10:30 a. m.	Gardner	12:00 noon	
12:15 p. m.	Wellsville	1:45 p. m.	
2:15 p. m.	Pomona	3:45 p. m.	
4:40 p. m.	Lebo	6:10 p. m.	
<b>Thursday, March 22.</b>			
8:30 a. m.	Emporia	10:00 a. m.	
10:30 a. m.	Reading	12:00 noon	
12:25 p. m.	Osage City	1:55 p. m.	
2:40 p. m.	Lyndon	4:10 p. m.	
5:00 p. m.	Melvern	6:30 p. m.	
<b>Friday, March 23.</b>			
8:30 a. m.	Saffordville	10:15 a. m.	
10:35 a. m.	Strong City	12:05 p. m.	
12:30 p. m.	Clements	2:10 p. m.	
2:35 p. m.	Florence	4:20 p. m.	
4:45 p. m.	Peabody	6:15 p. m.	
<b>Saturday, March 24.</b>			
8:30 a. m.	Marion	10:10 a. m.	
10:35 a. m.	Hillsboro	12:05 p. m.	
12:30 p. m.	Canton	2:00 p. m.	
2:35 p. m.	McPherson	4:10 p. m.	
4:50 p. m.	Little River	6:20 p. m.	
<b>Monday, March 26.</b>			
8:30 a. m.	Webber	10:00 a. m.	
10:30 a. m.	Courtland	12:00 noon	
12:40 p. m.	Concordia	2:10 p. m.	
2:25 p. m.	Aurora	3:55 p. m.	
4:15 p. m.	Miltonvale	5:45 p. m.	
<b>Tuesday, March 27.</b>			
8:30 a. m.	Barnard	10:15 a. m.	
10:40 a. m.	Ada	12:10 p. m.	
12:40 p. m.	Minneapolis	2:25 p. m.	
3:30 p. m.	Manchester	5:15 p. m.	
<b>Wednesday, March 28.</b>			
8:30 a. m.	Salina	10:15 a. m.	
10:45 a. m.	Solomon	12:15 p. m.	
12:35 p. m.	Ablene	2:10 p. m.	
3:05 p. m.	Hope	4:35 p. m.	
5:05 p. m.	Burdick	6:35 p. m.	
<b>Thursday, March 29.</b>			
8:30 a. m.	Alma	10:00 a. m.	
10:35 a. m.	Esbridge	12:05 p. m.	
12:40 p. m.	Burlingame	2:10 p. m.	
2:30 p. m.	Carbondale	4:00 p. m.	
4:35 p. m.	Topeka	6:15 p. m.	
<b>Friday, March 30.</b>			
8:30 a. m.	Meriden	10:15 a. m.	
10:45 a. m.	Valley Falls	12:30 p. m.	
12:55 p. m.	Nortonville	2:40 p. m.	
3:20 p. m.	Atchison	5:20 p. m.	
<b>Saturday, March 31.</b>			
8:30 a. m.	Potter	10:00 a. m.	
10:35 a. m.	Leavenworth	12:35 p. m.	
1:30 p. m.	Bonner Springs	3:00 p. m.	
3:25 p. m.	De Soto	4:55 p. m.	

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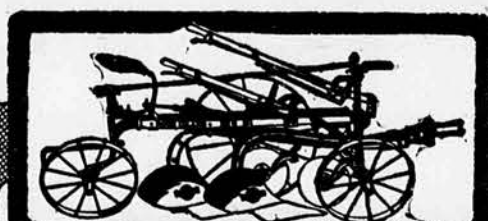
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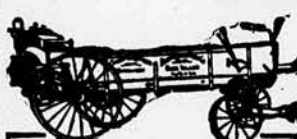
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## Peach Killers' Union Meets

### The Wheat, Also, May be in Bad Condition

BY H. C. HATCH

JUST now the annual debate is on as to whether the peaches are killed. The mercury was down to 10 below here and some say that degree of cold will kill the buds, but I have heard that it required 15 degrees below to kill them. More likely it depends on the condition of the buds as to the amount of cold needed to kill; last winter the mercury went but little, if any, lower than it did this week and we had no peaches last summer. The fall and winter have been so dry, however, I am in hopes of a few peaches in 1917.

It is too early to tell what the cold did to the wheat. Coming as it did with the ground bare it certainly will do it no good. We need a crop of wheat in Kansas as bad as we ever needed one, not only for ourselves but for the rest of the country. It has been very dry for the wheat this winter in all the country lying west of the Missouri River but wheat can stand dryness better than it can stand too much moisture. I have noticed that the best crops were raised in the dry years when it was nip and tuck whether the wheat would "make."

On the very coldest day we had during the first week in February our pump failed. The bucket which works in the cylinder pulled apart and left us without water works. It was too cold to do pump work for two days, but luckily we had the tank full when the accident occurred so we got along until the weather warmed up. We could not get a new bucket in Gridley as it was an odd size, and so we had to 'phone to Burlington and have it sent out by parcel post. It is in times like this that we appreciate parcel post; we 'phoned for the repairs about 10 A. M. and by 4 P. M. had the pump together, and back in the well.

Nearly all the pumps in use have a 3-inch cylinder but as I stated in the foregoing paragraph, our pump has an odd sized cylinder, 2½-inch. This is because it has to pump the water up a 35-foot elevation for a distance of 60 rods. In such a case the smaller cylinder will do the work easier, and while it will not throw quite so much water at a stroke it will make the pump and all connections last much longer.

Many men who install pumps do not seem to understand that a smaller cylinder is needed in a pump when the water is to be forced some distance and so put in the regular or 3-inch size. Not long ago I was at a well where the pump had to force the water up a 50-foot elevation and for almost 70 rods. The pump was laboring badly and with every stroke would lift pump, platform and all. Remembering our experience I asked the man what size cylinder he had on the pump, and he said he didn't know; said that he paid no attention to the installing as he supposed the man who did the work knew his business. We lifted a plank and saw that the pump had a 3-inch cylinder. I told him our experience and advised him to change cylinders and get the 2½-inch size. He did so and after that his pump worked smoothly and well.

While we were waiting for the pump repairs our stock was out of water so we borrowed a neighbor's wagon tank and pump. It was a regular threshing machine outfit equipped with 20 feet of suction hose. I hated to have to haul water but found it no more of a job for a warm day than hauling feed; in fact it did not take so long to get a tank of water and put it in our supply tank as it did to get a load of fodder. In one hour we had everything watered and had water to spare. What we need at our barn and feed lots is something in which a good supply of water can be stored, say enough to last a week. With that on hand a break in the water sys-

tem would not give us so much hurry-up work.

Our Grange received one of the Traveling Libraries from Topeka this week and will place it in the school house for the use of the members. The books can be changed on meeting nights, twice a month. These libraries consist of 50 volumes and are sent free by the state to any responsible society. The books can be retained six months when they must be sent back and exchanged. The only cost is for transportation and this is assessed at \$2 which is a very small sum to pay for the use of 50 good books in a neighborhood for a period of six months. This \$2 is to be sent in advance when the books are ordered. The library we received was numbered 659 which indicates that many of them are in use in Kansas.

When it is said that these libraries will be sent to any responsible society in Kansas it does not mean that their use is confined to certain organizations. The people in any school district can get together and select some one of their number to act as librarian and to forward the application and the fee of \$2. Should there be 25 in the district who wish to read the books this would mean but 8 cents apiece to pay and this would give access to 50 books for six months. I can't think of anything better for districts remote from good public libraries than this free Traveling library. For more information about this library write to Mrs. Adrian L. Greene, Secretary, Topeka, Kan.

An inquirer at Cairo, Kan., noted what I had to say about flax, some time ago, and now asks a number of questions about raising and harvesting this crop. I scarcely know what to say about growing it so far west as Pratt county, in which Cairo is situated. Flax will stand considerable dry weather but not too much. It is free from insect pests, but is subject to what is called "wilt." I do not think that would trouble a new section like Pratt county for several years. It is commonly thought here that six years should elapse between the time of flax sowings on the same ground. If sown oftener the wilt is pretty sure to get the crop. Flax will grow on almost any kind of soil found in Kansas; the soil of Pratt county is well adapted to flax if the seasons are favorable.

The ground to be sown to flax may be prepared by fall plowing or it may be sown on corn stalk ground the same as oats. The seedbed for flax requires finer preparation than for oats and this may be secured by disking and harrowing. The seed should be sown about April 1 at the rate of ½ bushel to the acre. It may be harrowed in or put in with a grain drill, covering very lightly. The crop may be cut with a self binder but the majority of growers in this locality cut with a self-rake reaper, and either thresh from the field or stack it loose. If cut with a binder the bundles should be made small.

There are two kinds of flaxseed, that grown in the Southwest and that which comes from Dakota and the North. The homegrown seed is to be preferred and should be procured if possible. Flax can be killed by cold after it comes up in the spring, but seldom is killed if the sowing is not done until April 1. The yield of seed runs from 2 to 20 bushels to the acre with an average of from 7 to 10. If the spring is dry flax will do well if rain comes later; heavy rains are not needed but some moisture is required. One thing that sometimes harms flax is to have dry conditions continue until blooming time and then have it turn wet. Under such conditions flax sometimes will keep blooming and set but very little seed.







## 60c to make test will save you over \$50<sup>00</sup>

*How black sediment formed by ordinary automobile oil increases friction, wear and expense. New lubricant resists heat, reduces sediment about 86% and saves you over \$50 a year.*

Notice the two test bottles. The upper bottle contains ordinary automobile oil drained from a crank case after 500 miles of use. The other bottle contains Veedol after the same mileage.

In ordinary oil the sediment is seven times as deep as in Veedol; Veedol reduces sediment 86%.

All ordinary oil breaks down under the terrific heat of an automobile engine which ranges from 200° to 1000°. After only a few hours running a large volume of sediment is formed and much of the oil loses all lubricating value.

Engineering tests show that on the average 50% of ordinary oil is turned into sediment in a 10-hour test and the engine loses four to five horse-power.

The Sediment Test is the most scientific test of a lubricant's value in reducing friction and is of the greatest importance to automobile owners. Friction increases in proportion to the amount of sediment present; sediment in large volume causes friction, wear and expense.

### The exact effect of sediment on metal surfaces

If you look at the inner surfaces of your automobile engine with your naked eye you will say that they are perfectly smooth, but if you examine them under a microscope you will find they are actually covered with thousands of sharp points and depressions. It is these points and depressions that require efficient lubrication. These metal surfaces will slide easily against each other only when covered with a substantial film of liquid lubricant.

Oil that contains sediment causes metal to metal friction because the sediment crowds out a large part of the liquid oil and the metal surfaces are pressed together. Then the microscopic teeth grab and cut in. That means friction, wear and expense.

If you want to prevent friction and save expense do not use oil that breaks down under heat and forms a large volume of sediment.

### The Faulkner Process

Veedol is unlike ordinary oil. It is made by the Faulkner Process. This is a new discovery used exclusively by this company, which gives Veedol its remarkable heat-resisting and wear-resisting

properties. New equipment for this process cost us \$300,000, and it will add \$50,000 to our 1917 manufacturing cost. Ordinary automobile oil cannot be made like Veedol and cannot have the same lubricating properties.

Veedol resists heat, does not evaporate rapidly, does not carbonize if your motor is in good condition—and finally, reduces sedimentation 86%.

### 60 cents to test Veedol will save you over \$50

Five gallons of Veedol will only cost you about 60 cents more than five gallons of ordinary oil and with five gallons of Veedol you can drive 2,000 to 5,000 miles—possibly two or three times the mileage you get from ordinary oil. So you will have ample time to compare operating costs.

Expert statisticians have found that the average automobile runs 6,000 miles a year and that the average yearly expense is \$416. Of this, gasoline, repairs and depreciation come to about \$268.

Since friction and wear vary in direct proportion to the amount of sediment formed by the oil, the elimination of 86% of the sediment will save gasoline, repairs and depreciation. Thus Veedol will save you \$50 to \$115 a year.

Among the users of Veedol are many large companies that keep a careful record of operating costs, such as the Hudson Motor Car Company, Fifth Avenue Coach Co., Shaw Taxicab Co., owners of the Black and White Taxicabs, and many others.

The fact that these users pay more per gallon for Veedol, proves that they save money by using it.

### Make this road test

Clean out the crank case of your engine. Fill it with kerosene. Run your motor about thirty seconds under its own power. Draw out all kerosene and refill with Veedol.

Then make a test run over a familiar road, including steep hills and straight level stretches.

You will find your motor has acquired new pick-up and hill-climbing ability. It will have less vibration and will give greater gasoline mileage.

Veedol is the ideal lubricant for all gasoline engines—automobile, motorboat, tractor and stationary engines. One test will prove to you the efficiency of this wonderful heat-resisting lubricant.

### Buy Veedol today

Over 12,000 dealers sell Veedol. Each dealer has a Veedol Lubrication Chart which specifies the correct

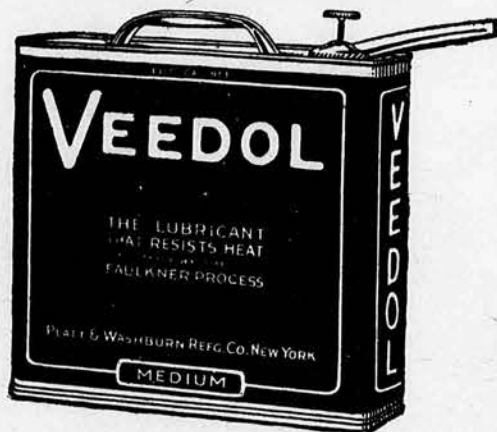
grade of Veedol for your car for both Winter and Summer use. If you cannot get Veedol, write for name of dealer who can supply you. Buy a can of Veedol today.

A convenient pouring device is supplied with each metal container.

Supplied in—

Sealed Cans ½-gal., 1-gal., 5-gal.  
Steel Drums 15-gal., 28-gal., 53-gal.  
Oak Barrels 28-gal., 60-gal.

Guaranteed when sold in the original package.



### Send 10c for 88-page Book

Send 10c for our new 88-page book on the construction and lubrication of automobiles, motorboats, tractors and stationary engines. No other book at any price contains as much information on this subject.

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1877 Bowling Green Building New York

### Use Grease of Tested Quality

The Sediment Test shows you how far Veedol excels ordinary oil; Veedol Grease is equally superior to ordinary grease.

There is a Veedol Grease for every purpose:—

- |   |   |
|---|---|
| 1 VEEDOL CUP GREASE.  | COMPOUND—For gears where the housings are not tight.          |
| 2 VEEDOL GRAPHITE GREASE—For general lubrication, springs and water pump. | 4 VEEDOL TRANS-GEAR OIL—For gears enclosed in tight housings. |
| 3 VEEDOL TRANS-GEAR   |   |





## Disagreeable Work Made Easy

Most women detest washing dishes. You can make this work easier and do it quicker by sprinkling a little 20 Mule Team Borax in the water. This Borax softens the water, cuts the grease, helps the soap to do its best work and puts a fine polish on china and glassware. You will find many uses every day in your kitchen and laundry for

# 20

## MULE TEAM BORAX

It will lighten your work on wash days. It will make your clothes white and sweet smelling. Use it in the bath tub to soften the water, cleanse the pores and destroy perspiration odors. There's nothing better for cleansing milk cans when they come back from depot or creamery.

### 20 Mule Team Borax Soap Chips

Soap in chip form. Saves you soap cutting. Blended in the right proportions, one part Borax to three parts of pure soap. Not a substitute for Borax but a time, labor and money saver that will pay you to use every wash day. See the picture of the famous 20 Mules on each of the above packages.

Sold by all dealers.



## "Macon Moore"

By Judson R. Taylor

This is a story of detective work among the MOONSHINERS in the mountain wilds of GEORGIA. There is not a slow line in the entire book of 251 pages; it is written in a style that commands attention right from the start. The best part of it all is that MACON MOORE is a gentleman detective and in no sense a swash-buckled ruffian. He has the courage to meet even criminals and desperadoes on the level. In short, he is what the schoolboy would call "a corker." Like all fiction there are places where the story strains the probable, but is within the possible. We think it certainly a mighty clever, well-written, interesting book.

**SPECIAL OFFER:** This dramatic story book sent free and postage paid for one new or renewal subscription to the Missouri Valley Farmer at 30c. MISSOURI VALLEY FARMER, Book Dept. M.M. 2, Topeka, Kan.

## MACON MOORE

74% SOUTHERN DETECTIVE

By Judson R. Taylor



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Send no money. Simply name and address. We will send you, postpaid, 12 boxes of our famous White Cloverine Salve, also 12 beautiful Art Pictures, 16x20 in. Sell the Cloverine at 25c. each and give one beautiful picture free with each box. Return us \$3 collected and we will immediately send you six (three pair) beautiful Nottingham Lace Curtains nearly three yards long. You will be proud of them. Everyone buys after you show pictures—stores usually charge \$1 each for them. A doctor discovered "Cloverine." Millions using it for Cuts, Eczema, Piles, Colds, Catarrh. Write to-day.

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## Vegetable Garden Free

It is none too early to commence to plan your vegetable garden for the coming season. If you have a piece of land that makes it possible for you to have a garden of any sort it is your duty to get busy and make that land yield something. We will help you with your garden and will furnish you the seed on an unusually liberal plan.

### Only One Collection To a Person

This is the best assortment of garden seeds ever offered. Choice, tested seeds, true and tried varieties, and warranted fresh, and reliable. This assortment contains all the standard garden vegetables, such as Melons, Onions, Cabbage, Radishes, Lettuce, Turnips, Beets, etc.

### Special Offer to Our Readers

We have purchased a large quantity of these vegetable seed assortments to give to our readers as a premium with a subscription. The seeds are packed in envelopes and will be sent free to all who send 50 cents to pay for a one year subscription to Capper's Weekly. New or renewal subscriptions accepted on this offer. Address

**CAPPER'S WEEKLY, Seed Dept. 4, TOPEKA, KAN.**

Capper's Weekly, Seed Dept. 4, Topeka, Kan.  
Enclosed find 50 cents for which enter my subscription to Capper's Weekly for the term of one year and send me the vegetable seed assortment free as per your offer.

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The Farmers of Kansas can now get

## Health and Accident Insurance

in the Kansas Central Indemnity Company, of Hutchinson, Kansas. "An Old Line Stock Company," at \$5.00 quarterly premium; paying \$15.00 a week for either Sickness or Accident Indemnity, and one thousand maximum Accident Death Indemnity.

Policies pay for all diseases flesh is heir to, and Accidents common to all men. The Company is owned largely by Western Kansas Farmers, and the Policy the Farmers have been looking for. Please write us for further information. Agents Wanted—Good Commission.

## RICE PRODUCER TO CONSUMER

100 pounds beautiful clean white new crop table rice, double sacked, freight paid, and guaranteed to reach you in good condition, \$6.50 east of Rockies.

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## Lovely Peacock Ring

### Latest Novelty FREE

Peacock Rings are all the rage. They are sterling silver, bronze finish. The Peacock is enameled in brilliant natural peacock colors making a very attractive appearance and a ring that any person would be proud to wear.

**FREE OFFER:** We will send this handsome ring to all who send 50 cents to pay for a year's subscription to the Household, a big story and family magazine. If ring is not satisfactory we will return your money. Mention also wanted.

**HOUSEHOLD, Dept. PR-2, Topeka, Kansas**

## Don't Forget Longfellow

BY MRS. DORA L. THOMPSON  
Jefferson County

Few months have so many days for special observance as has February. We always think of Valentine's Day, Washington's birthday and Lincoln's birthday. But we ought, sometimes, to add to our days of celebration or substitute for them an observance of the birthday anniversaries of two of our great American poets. Lowell's birthday and Washington's are both dated February 22. Longfellow was born February 27, 1807.

If these days are not observed in the school, parents may well read to their children the story of each poet's life and some of the poems. Longfellow's "Hiawatha," "Evangeline," and "The Courtship of Miles Standish," are enjoyed by all ages. Lowell's "Bigelow Papers," are especially interesting now. They were written when Lowell and others objected to the annexation of Texas and the war with Mexico that came as a result. The homely yankee dialect of the poems gives many humorous touches. "The Vision of Sir Launfal" is another of Lowell's poems that ought to be read in every home.

We have often wondered what was the cause of woody layers in potatoes. Our potatoes this year are good enough except for those black, fibrous layers. To cut them out in paring means to cut the potato in two and throw away half. The cooked potato readily yields the layer by itself. To mash them, we are forced to press the mashed potatoes thru a colander. We asked Mr. Greene of the horticultural department at the agricultural college what he called the black streaks in the potato and he said dry rot. We found, as he said that these layers extend from the stem end. He added a caution that if we used our own potatoes for seed we should discard the stem ends when so affected.

We expect to have some seed potatoes from the home folk in Wisconsin and shall try out some in the garden. We are told that the reason we need to plant Northern seed is because the buds are hardier. Our potatoes mature so early that the buds lose much of their vitality by the time they should be planted.

This is the sixth year that we have sent an order for cockerels or eggs to the same Kansas breeder of Rhode Island Reds. This breeder has taken many prizes and kept a high standard of excellence in her chickens. Her treatment of patrons has been so good that they search the papers for her advertisements, send checks and leave the selection of stock to her judgment.

The "good idea" answers to roll call at a recent meeting of our club contained the following:

When a layer of cake is scorched, rub it over a grater. The burnt crumbs will drop on the table instead of on the cake and all burnt taste will thus be removed.

When cows have been milked several months it is often difficult to churn butter from the cream. Sometimes the cream will merely froth and the butter granules will not collect. If the cream is to be skimmed by hand, it has been found that scalding the fresh milk will cause the cream to gather in a tough layer that is easily separated from the milk and easily churned.

We should like to add a suggestion for increasing the size of the opening in a new nipple for a baby's bottle. We tried using a large needle. This merely slit the rubber and formed valves that closed tightly. A toothpick cut in half lengthwise, inserted in the tiny opening and turned around several times will wear the rubber away. This is next to the best tool we know for the purpose. A tiny punch would be better, but few of us possess one small enough.

## Let's Talk About Flowers

It's time to be ordering flower seed for another summer's bloom and many women who love blossoms but have little time to spend in caring for them are wondering just what varieties will be best. Let's call the roll of readers of the Women's page and have every one answer with the flower which has proved most satisfactory for her and best withstood dry weather, hot winds, chickens and the destructive raids of the family dog and cat. To encourage the timid ones to speak out in meeting there will be a

prize of \$1 for the best letter on this subject received before March 6. For the next two letters there will be a small flashlight, just the thing to light the way down cellar or help you take a peep into a dark oven, and there will be smaller prizes for other good letters.

Tell us, also, when you have your say, the methods of cultivation you found most successful with your flowers, and suggest ways of protecting them from the chickens. What plants, shrubs or vines do you find best suited for hiding unsightly fences and outbuildings? Address all letters to the Women's Page of the Farmers Mail and Breeze, and don't forget to write early so you won't be too late for a prize.

## The Neighborly Man

Some are eager to be famous, some are striving to be great. Some are willing to be leaders of their nation or their state. And in every man's ambition, if we only understand, there is much that's fine and splendid—every hope is mostly good. So I cling unto the notion that contented I will be. If the men upon life's highway find a needed friend in me. I rather like to putter 'round the walks and yards of life. To spray at night the roses that are burned and browned with strife; To eat a frugal dinner, but always have a chair. For the unexpected stranger that my simple meal would share. I don't care to be a traveler, I would rather be the one sitting calmly by the roadside helping weary travelers on. I'd like to be a neighbor in the good old-fashioned way. Finding much to do for others, but not over much to say. I like to read the papers, but I do not yearn to see. What the journal of the morning has been moved to say of me; In the silences and shadows I would live my life and die. And depend for fond remembrance on some grateful passer-by. I guess I wasn't fashioned for the brilliant things of earth. Wasn't gifted much with talent or designed for special worth. But was just sent here to putter with life's little odds and ends. And keep a simple corner where the stirring highway bends. And if folks should chance to linger, worn and weary, thru the day, To do some needed service and to cheer them on their way.

—Edgar A. Guest, in  
The Twentieth Century Farmer.

## Prunes in New Ways

Prunes are a valuable addition to the bill of fare when fresh fruits are difficult to obtain and if properly cooked will be relished by the majority of persons. They should be washed well, then left to soak over night in cold water and cooked slowly for several hours. The sugar should be added in the latter part of cooking in order that the fruit may not be toughened. Cinnamon, cloves or lemon juice added to the prunes makes the flavor more palatable.

There are many ways to serve prunes if one likes variety. For prune salad, remove the stones from stewed prunes, fill the openings with mild cheese and serve on a lettuce leaf with salad dressing. Peanuts may be substituted for the cheese. A novel dessert is made by stuffing the stewed prunes with peanuts or with marshmallows and serving them with whipped cream sweetened slightly and flavored with vanilla.

For prune pie make a filling as for ordinary cream pie using 1 cup of sugar—or less, if the prunes were sweetened in cooking—½ cup of flour, a pinch of salt, 1 whole egg or two yolks and 2 cups of milk. Scald the milk in a double boiler and stir into it the flour and sugar which have been sifted together and mixed with the beaten egg and a little cold milk. Add the salt and cook slowly until the mixture thickens, then stir in 1 cup of prune pulp, beat well and pour into ready baked pie shells. Cover with a meringue of egg whites beaten with a little sugar and brown in the oven, or put a spoonful of whipped cream on each serving.

Prune Bavarian cream is a delicious dessert for the Sunday dinner and may be prepared the day before. Soak ½ box of gelatin in ¼ cup of cold water until it swells, then dissolve it in ¾ cup of boiling water, add 2 tablespoons of lemon juice and ½ cup of sugar. Stir a moment until the sugar dissolves, then set the bowl in a cold place. When the gelatin begins to set, beat it well with an egg beater for a few minutes, then beat in 1 cup of cream whipped stiffly and 1 cup of prune pulp. Half a teaspoon of cinnamon and more sugar may be added if desired. Continue beating until the mixture is so stiff that the beater will hold a drop, then pour into wet molds and chill.



# The College Plays Hostess

Many Women Were Guests at Farm and Home Week

BY MARY CATHERINE WILLIAMS

YOU MISSED it by not going. The hundreds of women who attended the Farm and Home Week at the Kansas State Agricultural college had a good time every minute of their stay and they are going back again next year. That's decided already. A real holiday when one can get away from dishpans and brooms and mops and milk strainers and chickens, wear her best clothes and eat someone else's cooking for a few days is in itself a treat to any housekeeper, but when in addition to all this one is the guest of a great college, welcomed by president, faculty and students, escorted over grounds and buildings by courteous guides, and entertained with programs at which experts from the college and from the United States Department of Agriculture discuss the very problems she has come up against in her everyday life, it is an experience that cannot fail to provide delightful memories for weeks and months to come.

Mrs. Mary Pierce Van Zile, dean of women, was in charge of the home eco-



Cooking Classes Were Open to Visitors.

nomics program and proved a gracious hostess to the women and girls in attendance. Exhibits showing the work of girl students were placed in the halls and rooms of the home economics building where the women's meetings were held. Most interesting of these were the dresses made by the advanced dressmaking classes, costumes of silk and crepe as lovely and modish as can be found in a fashionable city shop, which the girls had designed and cut and fit with no patterns except the ones they made for themselves. There were other exhibits of wonderfully dainty collars and cuffs, hats in the process of making, underwear, aprons and kimonos, and drawings and color schemes for dresses to be cut and made later in the classes.

## How Much Do You Score?

Miss Frances Brown and many of the other women speakers are known personally to a great many farm housewives thru their institute work. Among those from away were Miss Caroline Hunt, a dietary expert from the United States Department of Agriculture, and Mrs. Louise Campbell of the Iowa State college. Miss Hunt spoke on correct meals for small children and showed a number of enlarged photographs illustrating model meals. Mrs. Campbell spoke on the essentials of success in homemaking and gave a score card by which a homemaker can judge her efficiency just as she has learned to score her bread and jellies. She emphasized such points in this score card as disposition; characteristics including earnestness, promptness, energy, accuracy—no hit or miss measuring in recipes—adaptability and leadership; manners, bringing out the importance of teaching the children to be courteous to mother in order that they may be courteous to outsiders; personal appearance; and ability, native and developed and technical. Here is where she discussed training for girls in house planning, house management, business methods of keeping accounts, sewing, cooking and planning meals. There are many women, she said, who have fried their families into hospitals.

"My Greatest Help is Sewing," a topic discussed by Miss Wright of the domestic art department, proved to be a demonstration of making a dress form at home by stuffing out a fitted lining over a figure which can be bought for a small sum. Women who have twisted and squirmed into all sorts of positions in a desperate attempt to see in the glass how to fit the back of a waist, leaned forward and listened so as not to miss one detail, and it would be interesting to know how many of these useful "Betsy Janes" will be set up in Kansas homes as a result of this demonstration.

Other talks by teachers in the domestic art department gave helpful suggestions for planning clothes that are pretty, artistic and becoming and for choosing fabrics that are of good quality and sure to wear well.

## When Home is a Hospital.

Miss Kennedy, the college nurse, gave a talk and demonstration of the care of sick persons in the home. With a life-sized figure for a patient, Miss Kennedy showed how to put fresh sheets on the bed without taking the invalid up, how to bathe the patient without danger of exposure and colds, and many other ways to increase an invalid's comfort.

There was a general assembly of all the visitors in the college auditorium every day, with special music furnished by the college department of music and talks of interest to all. On the stage of the auditorium was the canning exhibit of the Glenwood Mother and Daughter club in Leavenworth county, which for size and excellence is said to be the best exhibit of the sort in the entire United States this year. Mrs. J. M. Timmons, president of the club, and three assistants gave a canning demonstration one afternoon, showing how to can chicken, fruits and vegetables by the hot water bath and steam pressure methods.

But there isn't time enough to tell of all the good things which those who could not attend the Farm and Home Week missed. You'll have to go next year without fail and see it for yourself. Plan to take those boys and girls along with you, too, for there is a special program just for them and a big exhibit of the work done in their corn and wheat and kafir and sewing and canning and other clubs, and the groups of eager, happy boys and girls you see everywhere around on the campus with their county badges fluttering and faces aglow with interest in the new sights and a determination to go home and work harder at their club projects than ever, is one of the best parts of the week.

## Styles of Underwear

A pretty and serviceable combination suit consisting of petticoat and camisole



is 8181. The garment closes at the back. The pattern is cut in sizes 34 to 44 inches bust measure.

Drawers 8164 are cut in sizes 24 to 36 inches waist measure.

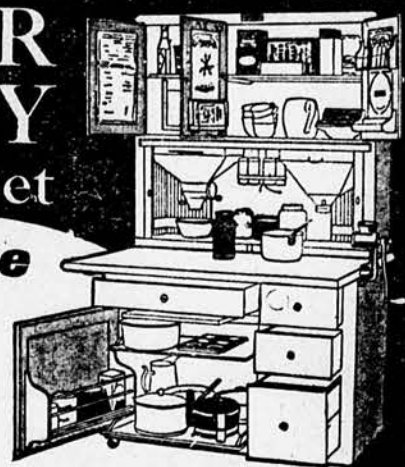
Girls' dress 8171 is cut in sizes 6, 8, 10, 12 and 14 years. These patterns may be ordered from the Pattern department of the Farmers Mail and Breeze, Topeka, Kan. Price 10 cents each.

Paste pieces of velvet, soft side out, in the heels of shoes, bottom and back, and your stockings will wear much longer.

# HOOSIER BEAUTY Kitchen Cabinet

Get This Lifetime Kitchen Assistant!

It Solves the Hired "Help" Problem



## Stop Being a Slave to Your Kitchen

Nothing tells on a woman so quickly as kitchen drudgery. And on the farm the Hoosier is needed more than anywhere else on earth.

It lets you sit down restfully at your work. It ends those miles of useless steps that you are now taking from the cellar, the pantry, the cupboard, the kitchen table, back and forth six times a day in preparing meals and in clearing away the dishes and utensils afterwards.

## Exclusive Hoosier Features

Into the Hoosier are built the pick of all methods that experts have devised for saving kitchen work. Some cabinets have copied a few—but 17 of these Hoosier features can't be found in all others combined. Our catalog pictures and describes them all. The coupon or a postal brings it FREE! Send today.

Don't spend your strength in saving the price of a Hoosier Kitchen Cabinet. You and the Hoosier together can do in half the time the work that is taking you twice as long to do without it.

This marvel of convenience has places for 400 articles *all within arm's reach*. But it's more than a tool-house for your kitchen. The Hoosier is an *automatic servant* with 40 labor-saving inventions—each like a *helping hand*!

## Write for Catalog Freight-Paid Offer and Money-Back Guarantee

The Hoosier is in daily use in over one million kitchens. Enormous output makes possible our present low prices.

Our money-back offer removes all risk—enables you to try the Hoosier right in your own kitchen to your heart's content. Send for this offer today. Save miles of steps. Save health. Save strength. Save work. Save time. Save food supplies. And have the handsomest cabinet in your neighborhood in the bargain.

## Mail The Coupon Today!

Get our interesting catalog that shows actual photographs of all the beautiful new Hoosier models. See the many ways to short-cut kitchen work and read our surprising money-back, freight-paid offer.

Send the free coupon today.

THE HOOSIER MFG. COMPANY  
118 Van Buren Street, New Castle, Ind.

## New Hoosier Catalog FREE



## FORTUNES HAVE BEEN MADE

by advertising. Everyone knows that so well that it isn't necessary to insist upon it. We are not arguing that you will make a fortune by advertising in Farmers Mail and Breeze. But we do claim that there is no reason why you should not do what others are doing, add substantially to your income by advertising in the columns of this paper and we are not sure you may not find yourself on the way to a fair fortune. Look over our advertising columns, the display and the classified columns. You know what our readers buy that you have to sell, poultry and eggs for hatching, hogs, cattle, horses, land, seed corn and good seeds of about every kind. One man sold \$3,000 worth of seed by spending \$5 for advertising space in one of the Capper Papers. That is an extreme case, of course, but there is a big market for what you have to sell. Our readers will furnish the market. Rates are given in this paper. They are low for the circulation. If the rates are not clear to you ask us for them, addressing Advertising Department, Farmers Mail and Breeze, Topeka, Kan.

If your subscription is soon to run out, enclose \$1.00 for a one-year subscription or \$2.00 for a three-year subscription to Farmers Mail and Breeze, Topeka, Kan.

## Special Subscription Blank

Publisher Farmers Mail and Breeze, Topeka, Kan.

Dear Sir—Please find enclosed \$1.00, for which send me the Farmers Mail and Breeze for one year. \$2.00 three

My subscription is..... (Say whether "new" or "renewal.")

My Name .....

Postoffice .....

State..... St., Box or R. F. D. ....



# For Fords

## Less Carbon Less Heat

Every make of automobile has its minor operating problems. Among Ford owners two such problems are: Carbon troubles and Overheating.

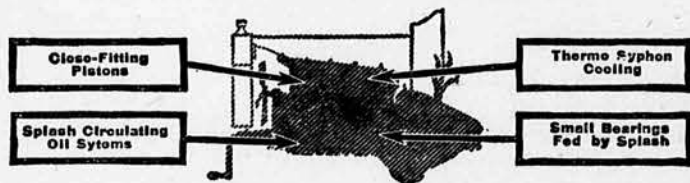
Of course every petroleum-base lubricant in burning must leave a carbon residue.

But carbon residues are of three kinds.

The first—which “cakes” hard on spark-plugs, piston-heads and valves—is the most troublesome.

The second—also troublesome—is an adhesive, sticky or “gummy” carbon, which causes piston rings to stick in their recesses with resultant loss of power and also interferes with valve action.

The third variety of carbon residue forms in a light, dry ash. This light ash is expelled through the exhaust by the natural action of the engine.



The high standing of Gargoyle Mobiloil “E” among Ford owners is due to two things:

(1) Its light carbon ash.

In *body* Gargoyle Mobiloil “E” is scientifically correct for the Ford Piston clearance.

If the oil-level is correct, Gargoyle Mobiloil “E” does not work past the piston rings into the combustion chambers in excess quantities. Thus troublesome carbon deposits, so common on incorrectly lubricated Ford cars, is avoided. The slight carbon residue from Gargoyle Mobiloil “E” is a light, dry ash. It expels naturally through the exhaust.

(2) Its *quality* enables Gargoyle Mobiloil “E” to withstand the high heat in the Ford combustion chambers.

The correctness of the *body* assures complete distribution through the Splash Circulating Lubricating System of Ford cars. Complete protection to all moving parts results. Friction-heat is reduced to a minimum.

Ford owners who use Gargoyle Mobiloil “E” avoid trouble from overheated motors in summer.

### Gargoyle Mobiloil “E”—An 80c Demonstration

It will cost you less than 80c to fill your Ford crank-case to the proper oil-level with Gargoyle Mobiloil “E”. And that trial amount will demonstrate its benefits in the way of—

- (1) Lower cost per mile for oil
- (2) Lower cost per mile for gasoline
- (3) No troublesome carbon
- (4) Lessened tendency to overheating
- (5) Full power—particularly on the hills



## Mobil oils

A grade for each type of motor

In buying Gargoyle Mobiloil “E” from your dealer, it is safest to purchase in original packages. Look for the red Gargoyle on the container. For information, kindly address any inquiry to our nearest office.

### YOUR TRACTOR

also may be lubricated efficiently with Gargoyle Mobil oils. On request we will mail you a separate Chart specifying the correct grade for each make and model of tractor.

VACUUM OIL COMPANY, Rochester, N.Y., U.S.A.

Specialists in the manufacture of high-grade lubricants for every class of machinery. Obtainable everywhere in the world.

Domestic Branches: Detroit, Boston, New York, Des Moines, Chicago, Philadelphia, Indianapolis, Minneapolis, Pittsburgh, Kansas City, Kan.

## Brush Up on Your History

You'll Need to Know about the Great Men and Events of the Past if You Give This Party

IF YOU ARE planning to entertain your friends soon why not have a history party? They would be sure to enjoy it. As soon as the guests arrive give each of them an envelope containing one-half of a card on which is a picture of some historic character or scene. They are to find the other half and when they are all paired off let the holders of certain cards choose sides, dividing the couples into two camps. Line the camps up on the two sides of the room and have a history spelling match. A person on one side gives out a name of some historic character to be spelled by the opposing couple, then the other side names a word, and so on. Award the prize to the side that makes the fewest failures in a given time.

For the next game have cards ready inscribed with the names of historic animals, and pin one card on the back of each person. The wearer of the card must guess from the remarks made by

succession turns a letter right side up and the first person at his table who says a name beginning with that letter, takes the letter for his own. After all the letters are gone from the center scores are counted, and the two players having the highest score at each table move to the next table. Prizes may be little cherry-decorated baskets or boxes filled with bonbons or salted almonds.

### Write a Garden Letter

How many boys and girls are planning to have a garden this spring? It doesn't matter whether it's a part of an acre in tomatoes or just one bed in father's big garden, or a little row of flowers. It will be your garden, you know, if you plant it yourself and keep the plants watered and the weeds pulled, and the other Farmers Mail and Breeze boys and girls will be glad to hear all about it. Of course you haven't begun to work out of doors yet but perhaps you have begun to plan the things you will plant when you can get out in your garden. Write to the Children's Editor of the Farmers Mail and Breeze, Topeka, Kan., and tell how big a garden you are going to have and what kinds of vegetables and flowers you are going to plant and what you are going to do with them—whether you are going to take them to town to sell or give them to mother for dinner. There will be \$1 for the boy or girl who writes the best letter, 50 cents for the second best letter, and a package of postcards for the next five best letters. The letters must all be in by March 5.



### Ostrich Egg Omelet is Good

Ostriches are the poultry of the desert, but the taking of their eggs is not such a simple matter as is the case with our barnyard hens. Mr. Tristram, in his book on “The Great Sahara,” describes how two ostriches were seen standing for some time in the same spot. On riding toward them they rapidly scudded off, and he and his Arabs intersected their track, and retraced it.

“The track of an ostrich is by no means easy either to follow or to retrace, for his stride, when he is going at full speed, measures from 22 to 28 feet; and the oblong impression of two toes at such wide intervals affords no very evident track to any eyes less expert than those of a Bedouin huntsman. We retraced the impressions to the spot where we had seen the birds standing together, and where the sand was well trodden down. Two Arabs, at once dismounting, began to dig with their hands, and they presently brought four fine fresh eggs from the depth of a foot under the sand.

“We always found ostrich egg omelet a most welcome addition to our desert bill of fare, and because of the thickness of the shell the eggs kept perfectly sweet and fresh for three weeks.”

### A True War Story

A good story about a faithful horse has come from the battle front. After fierce fighting it was noticed that a horse of the Cold Stream Guards remained standing between the German and British firing lines. The faithful creature stood there, without food, water, or shelter for two days and nights. At last some of the men, moved by their great love for horses, risked their lives in an attempt to rescue the animal. When they crawled up to him they found that the horse was standing by the dead body of his master. They tried and tried but could not get the faithful animal away. Famished, thirsty, and cold, it still stood by the rider it loved and had proudly borne into action.

The men crawled back to the trenches to report what they had seen. Another party crept out. Every man of them risked death from the German fire, but each man felt that this devoted horse was worth it. They succeeded in reaching the brave creature and blindfolding him. Then, when he could no longer see his master, but heard only the kind voices of the dead man's friends, he moved. They led him back in triumph to the British lines. Is it any wonder that the horse is one of the best loved of all animals?

### For Washington's Birthday

The American game is good fun for a Washington's birthday party. Give each guest a small hatchet bearing a number and let them find their places at small tables around the room. Four or six persons may be seated at each table. Have a pile of letters such as are used by kindergarten teachers on each table. These may be made at home if none can be obtained elsewhere. Be sure to have the alphabet repeated several times. After the players are seated, the letters are placed face down upon the table. Let one table be for famous Americans, another for American cities, a third for American rivers, while a fourth can be American flowers, and so on for as many tables as are needed. Each player in





## Breeders Who Aim High

**In Beef or Dairy Herds Success Comes thru the Most Careful Attention to Blood Quality**

**C**OMMUNITY breeding is succeeding in Kansas. Good results are being obtained where farmers in a neighborhood are interested in some certain breed. A co-operative effort pays especially well with livestock. This has been shown in Marshall county with Herefords, and around Independence and Mulvane with Holsteins. The movement is making progress with other breeds in many communities.

The advantages of community organization as the Ohio Farmer said recently, may be summarized under four chief divisions: 1. The development of better livestock in the locality. 2. The distinction of being a center for that particular breed, thereby increasing the demand for cattle. 3. The spread of organization to other forms of agriculture. 4. Social betterment as a result of community organization.

### Develops Better Livestock.

A member of a community association has many advantages in developing livestock that a non-member does not have. In purchasing purebred animals a beginner must take big risks in getting good stock if he is depending on himself alone. The organized association, as a rule, will be of great help in purchasing cattle as there are always men having a great deal of experience willing to help a beginner. Trading of valuable sires also is made possible in community organization. Many valuable sires are slaughtered before their period of usefulness is ended because they are closely related to many of the young cows of the herd. These sires, instead of finding their way to the block, if traded to a neighbor will extend their period of usefulness, developing the breed to a marked degree. In a locality where one farmer alone is breeding one special breed, the trading of sires is out of the question.

Perhaps no other thing has developed purebred dairy cows as has the advanced registry association. Let us see how community organizations are of benefit to a breeder who wishes to test his cows for advanced registry. To show this I will take for example a breeder living 200 miles from the state experiment station. This breeder has two valuable cows he would like to have tested. The rules and regulations of advanced registry say a tester must be sent from the experiment station to the farm of the breeder. The owner of the cows must pay all necessary expenses, board and lodging, and traveling expenses. He also must pay the tester \$2 a day for every day the testing is done. For a yearly record the tester will be required to make 12 trips from the station to the farm. Traveling expenses alone would amount to \$100; the tester's salary, including his board, is about \$60, making the total cost of the two records \$160. It can be seen that no man is going to have his cows tested under such circumstances.

In a community association, however, things take on a brighter aspect. In an association there are more men who wish to have cows tested at about the same time. One tester can stay in this locality and do the work without traveling back and forth; his traveling expenses will be almost eliminated. The cost of the testing will be reduced greatly, enabling more men to have their cattle tested for advanced registry.

### Attracts Buyers.

The second strong argument in favor of community organization is that a locality soon becomes known as a center for one particular breed. Buyers are attracted to these places as they are certain they can get the stock they wish in a small territory. A localized breeding association insures a good market. It

is possible for a large number of breeders to advertise their stock in a more extensive and efficient manner than one breeder alone. One has only to look over our leading papers to see the large advertisements of certain associations. The advertisements of such associations as Livingston County Holstein-Friesian association; Waukesha County Holstein Breeders' association, and the Jefferson County Guernsey Breeders' association attract the attention of readers at once. Prospective buyers are much more likely to go to these communities than they are to localities with only a few herds.

Other phases of agriculture are benefited by breeding associations. Once the farmers get the spirit of co-operation many things can be accomplished. Wholesale purchases of feeds, fertilizers, machinery and other farm necessities are made possible. With the establishing of such organizations we generally notice the erection of silos, the use of fertilizers, the purchase of commercial feed-stuffs for balancing of rations and similar improvements helpful in developing a community.

Many of our rural communities are sadly deficient in social development. The enjoyment of a social evening under

**The butchers, the bakers, and the food package men, have spoiled the town women and made their husbands pay well for it. A Kansas City housewives' club is appealing to Congress to do what they can do for themselves—remove the 10-cent tax on oleomargarine. This tax is placed on oleo colored to look like butter and intended to compete with butter. There is no tax on oleo in its natural state and it is just as palatable. If these housewives who think a sandwich looks better for having a pink ribbon tied around it, don't fancy the delicate pink color of honest oleo, they can add the butter color themselves. There is no law forbidding the consumer to do this. Also it is a mighty sight quicker than getting Congress to remove the tax which would seriously affect the farm end of the dairy industry that earns all it gets.**

the auspices of the local organization adds greatly to the advancement of the locality. If a social hour is enjoyed after the regular meetings a closer relationship is soon created between the members.

### A Successful Association.

One of the best examples of community organization I have ever visited is the Livingston County Holstein-Friesian association. Livingston county is in Southern Michigan. There are 237 herds of purebred Holstein cattle in this county. The location of every herd is shown on a map of the county. This map is one of the interesting features of a booklet prepared by the secretary of the association. A buyer going to this county gets one of these booklets or guides which gives him information in regard to the various breeders in that association. Every buyer is well treated from the time he comes to the county until he leaves; the members leave nothing undone to make every buyer satisfied. The efficiency of the county organization is proved by the large number of purebred cattle shipped from the county every year and by the high prices paid for them.

As is stated in the constitution, the purpose of the organization is to encourage the breeding of Holstein cattle

by the selection of high-class sires and by keeping them until their daughters have been tested; by co-operation in selling stock; by urging the general adoption of the semi-official test; by advocating measures expedient in controlling and eradicating contagious and infectious diseases; and by circulating advertising matter.

### Now a Foremost Market.

As a result of such organization Livingston county has developed into one of the foremost markets for Holstein cattle in the United States. A buyer going to this locality can be certain of fair treatment and entire satisfaction before leaving.

However, it must be understood that such organizations will not spring up alone; it requires co-operation and untiring efforts on the part of the members. There are many organizations existing that we never hear anything about. Why is this? Simply because they are just existing and lack the life of a successful organization. Every member must be a booster and work in co-operation with the other members instead of boosting for his own individual interests alone.

## Away With Livestock Diseases

BY H. T. MORGAN

It is doubtful whether any previous meeting of the United States Livestock Sanitary association ever surpassed that held in Chicago in December, in importance. The suggestions offered for the control of infectious livestock diseases should be placed before every livestock producer in the country. The president, Dr. O. E. Dyson, said: "In order to be effective, livestock sanitary control must depend on the enactment and enforcement of state and federal laws. The offices of all State livestock sanitary officials were created by legislative enactment to protect and promote the interests of livestock producers. Unfortunately, the selection of such officials has been so closely allied to politics that it seems impossible for livestock producers to conceive the fact that a livestock sanitarian of an opposite political faith could be competent, or honestly endeavor to promote or protect the livestock interests."

"Livestock sanitation should be placed on a business basis. The largest single interest in all of our agricultural states should not be compelled to suffer unnecessary economic losses incident to the ravages of preventable diseases of livestock or to incompetency on the part of those officially charged with livestock sanitary control. Little progress from our present status can be made, however, except by way of a radical change of policy with a view of completely separating livestock sanitation from the blighting influence of political control. It would be easy to procure the enacting and enforcing of modern livestock sanitary laws if livestock producers would realize that their interests would be protected by organizing. This can be accomplished by the organizing of county livestock sanitary associations with subsidiary organizations in every township in which it would be possible to make the production of livestock a profitable enterprise. Livestock producers by means of organizations also could keep in touch with state officials charged with the enforcement of laws enacted to protect livestock interests against infectious diseases. All laws governing livestock sanitation should express the opinion of the majority of livestock producers. The personal interests of a few men who assume to represent the livestock producers' interests should not be permitted to stand in the way of the enforcement of any law for the betterment of livestock sanitation."

"When economic advantages to the livestock industry far outweigh insanitary risk, livestock sanitary regulations should be made to conform to the principle of the greatest good to the greatest number. For many years the laws of nearly all states have required a certificate of health, including the tuberculin test, to cover the importation of cattle for breeding or dairy purposes. Such laws prevent a state from being used as a dumping ground for tubercular cattle. However, such laws and regulations tend often to inspire too much confidence in the value of certificates of health, representing the animals covered thereby as being free from tuberculosis. Under these conditions unscrupulous breeders and dealers are permitted to sell and ship, without restriction, cattle from badly infected herds, and a purchaser has no as-

surance that the animal for which he holds a certificate of health will not develop tuberculosis as a result of having been exposed to infection prior to being removed from an infected herd. The value of all certificates of health, covering the tuberculin test of cattle, should be rated according to whether the herd from which animals are purchased is free from tuberculosis. Only certificates from herds entirely free from infection should be considered as worth their face value. If 10 per cent of the herd is infected, the value of the certificate of health should be discounted 25 per cent. If 25 per cent of the herd is infected, the value of a certificate of health should be discounted 50 per cent. If 50 per cent of the herd is infected, practically no value should be attached to a certificate of health until the animal has been subjected to and has successfully passed a tuberculin test administered not less than 90 days after being removed from an infected herd. If purchasers at public sales or from farm herds would place the proper estimate on the actual value of a certificate of health as ordinarily issued, and govern the price to be paid accordingly, it would be a question of only a short time until the success of all breeders of purebred cattle in all states would depend on their ownership of state accredited herds."

"A problem now confronting the swine breeders of the United States is whether hog cholera can be controlled. The mere fact that annual visitations of hog cholera with its attending losses have been looked upon by the average breeder as inevitable should by no means be permitted to establish the mistaken belief that hog cholera would fail to yield to modern sanitary control, the application of which would limit the movement of cholera infected swine, require the cleaning and disinfecting of infected premises, railway cars, loading pens and chutes. There is no more reason for permitting the unrestricted spread of hog cholera from infected herds or premises than to ignore the fact that hog cholera is an infectious disease."

"The profitable production of purebred sheep and swine necessarily compels breeders to keep their stock free from infectious diseases. Therefore, it would seem perfectly safe to permit such shipments upon an affidavit of the owner in lieu of adding the burdensome expense of inspection and certification upon the industry, especially when such regulations are of minor importance as compared with the larger problems of local livestock sanitary control."

"Ignorance and greed are the principal factors responsible for the prevalence of any infectious diseases of livestock."

Dr. Dyson called attention to other diseases which are creating vast economic losses every year to livestock producers. The losses occasioned by influenza, or shipping-fever among commercial and other horses, is 100 times greater than the losses from glanders, and there are laws compelling the mallein test for all imported horses—horses shipped interstate—and yet there has been no concerted effort to control the endless chain of infection in any state by restricting the movement of infected or exposed horses by requiring the disinfecting of public stables or cars used for transporting horses to and from market centers. Influenza will continue to lay a heavy toll upon shippers of horses until such time as pressure sufficient to force disinfection is brought to bear.

## The Responsive Dog

Many people have no idea of keeping a dog except to serve them—a canine caretaker, in fact; and the unfortunate animal is left on a galling chain from one week's end to another, says a contributor to *Collie Folio*. What wonder that he becomes savage and uncompanionable? This dog's owner is almost as much to be pitied, for he loses the real pleasure of the dog's companionship. Few animals are more responsive to their environment than our canine friends. Treat them well, and they repay with interest any trouble that may have been expended on their behalf. Make their lives dull and uninteresting, and they will become morose and sullen, and their faculties will remain in an undeveloped stage. The watch-dog pure and simple is more often than not to be pitied. Serving his master day and night, he is fed on the scantiest fare; his drinking-pan is rarely cleansed; and he is voted too uncertain in temper to be at large. No wonder his spirit soon becomes broken.—Our Dumb Animals.



# SHARPLES

## SUCTION-FEED PATENT

and what it means to you dairymen

The new SHARPLES patent, one of the broadest process patents ever obtained, covers any separator that will *skim clean at all speeds*. It covers the *process* of varying the feed in proportion to the centrifugal (separating) force. No one else can, for 17 years, make and sell such a separator.

You know of the tremendous losses caused by all fixed-feed separators because they are never turned full speed. More than 4,000 investigations *proved* that 19 out of 20 operators turn their separators *below* speed most of the time. Purdue Experiment Station Bulletin No. 116 *proves* that the loss from slow turning amounts to from 7 to 13 lbs. of butter per cow per year—or the appalling loss of 80,000,000 lbs. of butter yearly in America alone!

### Skims Clean at Any Speed

So we realized that it was far from sufficient that a separator *could* skim clean when properly handled. It was vitally necessary that it *would* skim clean—even when improperly handled. That's SHARPLES, which sucks in just as much milk as the centrifugal force can perfectly handle—and *no more*. The result is *clean* skim at all speeds and *unchanging* thickness of cream.

All separator makers *know* of this tremendous loss and some *admit* it in their advertisements. They *cannot* stop the loss (because SHARPLES basic patent covers any separator that will skim clean at all speeds) so they try to *warn* against it by putting on a sight speed indicator (on which the operator's eyes must be glued every moment and his muscle must respond instantly to the indicator's *prod* for more speed)—or a bell indicator (which, like the fire alarm, gives notice of damage only *after* it is done). All such devices have proven *failures*, time after time, because few operators can stand being prodded or yelled at whenever the speed slackens.

A bell ringing device is truly an acknowledgement of the vast *superiority* of SHARPLES which automatically *prevents* all losses from uneven turning instead of simply announcing them.

### Simple Tubular Bowl—No Discs

Not a single piece is added to accomplish the wonderful "Suction-feed." And the SHARPLES was *already* by far the *simplest* and easiest to clean. We realized that it was not enough that a separator *could* be kept clean—it must be so simple that it *would* be kept clean. So the *patented* SHARPLES Tubular Bowl contains *no discs* or blades—it is just a plain, light, steel tube. No other separator can use it.

All other separators must contain discs or blades to skim at all. Their makers wrangle between them as to how many discs, and if curved or straight, and how the milk should be fed into them. They constantly change their designs without getting nearer the *ideal*. Some use more discs, many of them boast of using less. Such boasts plainly acknowledge that "the fewer discs the better."

The *ideal* is SHARPLES which has *no discs at all*. But this ideal is a SHARPLES patent.

### Important to Dairymen

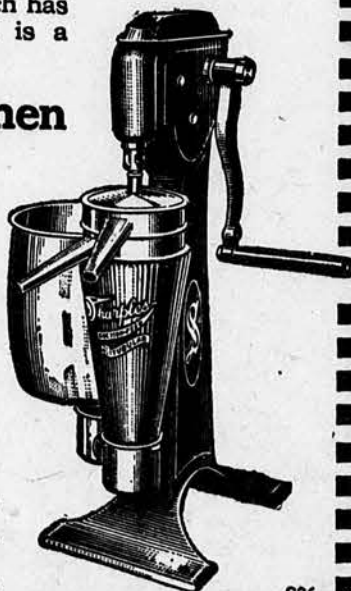
So all SHARPLES patents assure you, as a SHARPLES user, of *larger* profits and *greater* convenience than the other man gets. The knee-low supply tank, single ball bearing in oil, slow and easy crank speed, freedom from the tyranny of fixed speed, increasable capacity, easiest cleaning, automatic oiling without oil cups or oil holes—all these are *your* advantages *exclusively*, because they are exclusive SHARPLES features.

Send for catalog, which explains all this, addressing Dept. 15.

Sharples Separator Co.

West Chester . . . Pa.

Also Sharples Milkers and Gasoline Engines  
Branches: Chicago San Francisco Portland Toronto



S26



### FARM WAGONS

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

ELECTRIC WHEEL CO., 30 Elm Street, Quincy, Ill.

### A Milk House for Dairy Farms

How to build model farm buildings is the problem confronting every man who runs a farm. Many stories are written on this subject by architects, agricultural experts, and others not so well posted on the practical necessities of the farmer.

Probably one of the most compact, yet effective works along this line is being done by the National Lumber Manufacturers' association, which is having agricultural college experts write special illustrated bulletins on the various buildings on the farm. The series includes bulletins on implement sheds, grain storage houses, swine houses, dairy barns and milk houses, with another bulletin on the preservation of farm timbers.

The bulletins have been published for free distribution in such shape that when the series of 10 is complete, all can be bound together for handy ready reference. The bulletins, while written by

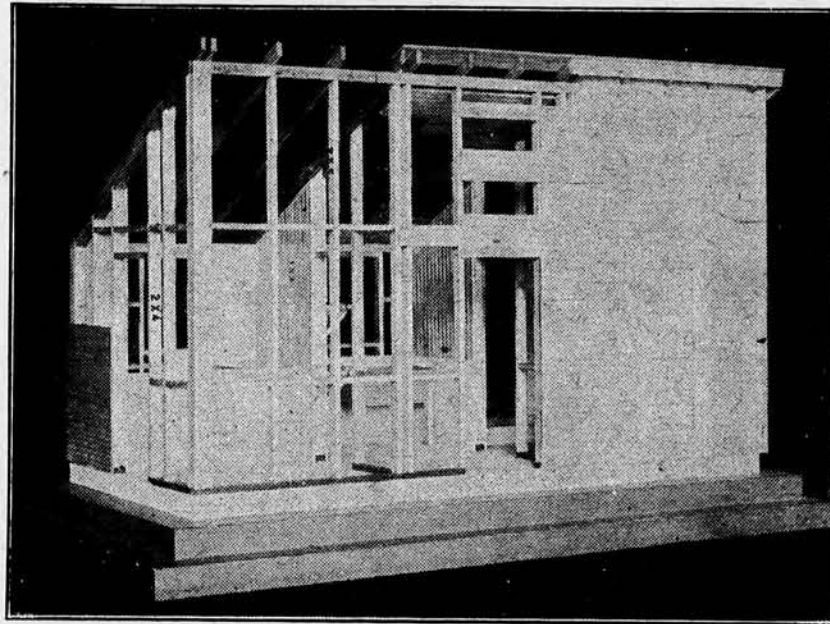
test of the milk, while the reverse is true of a wet season.

The temperature of the milk when being skimmed will affect the test of the cream. Lowering the temperature of the milk will cause a thinner cream than would be skimmed if the milk were warmer. Never attempt to skim milk that is not at least 75 degrees Fahrenheit in temperature. In cold weather it may be necessary to warm the milk in order to have it at the proper temperature.

The rate at which milk is fed into the separator also is important. The float always should be used to regulate the amount of milk entering the bowl. The underfeeding of milk into the separator will cause an increase in the test of the cream.

The amount of skimmilk or warm water that is used to flush the bowl and allowed to run into the cream can, will affect the test of the cream.

The separator bowl should be cleaned



The Construction of this Milk House is Explained in a Building Bulletin by National Lumber Manufacturers Association.

agricultural experts, are frankly advocating the use of wood, as economical, yet the provision is made that to get the value out of a farm building, it must be built along the most advanced scientific lines.

### Why the Cream Tests Vary

BY H. A. RUEHE

The question often is raised by dairymen selling cream why it is that the test of their cream should vary from time to time, and frequently the cream buyer is unjustly accused of misreading tests. This causes dissatisfaction between the buyer and the producer, which often results in the producer unnecessarily changing his market.

All separators have some device, either a cream screw or skimmilk screw, which is designed for the purpose of regulating the richness of the cream that will be skimmed from the milk. Hence, it is possible to set the separator to skim a thin cream or a very rich cream. The cream screw is only one factor in determining what the test of the cream will be. The tests of cream from different skimmings will vary to quite an extent, even tho the screw is set the same. These variations are due to one or more of the conditions mentioned in the following paragraphs.

The speed at which the separator bowl revolves is very important. Unless the bowl travels at the proper rate of speed it will not skim efficiently, and too much fat will be left in the skimmilk. A decrease in the speed of the separator also will cause a decrease in the fat test of the cream, while overspeeding the bowl will cause an increase. The separator should be run at a speed designated by the manufacturer. In order that one may be certain that the separator is being operated at the correct speed, the revolutions of the crank should be timed with a reliable watch.

A variation in the percentage of fat in the milk of various milkings also will cause a variation in the cream test. With the separator set the same, a low-testing milk will skim a thinner cream than a rich milk. The addition of fresh cows may change the test of the milk from the herd. A dry season, when the cows are on pasture, will cause a decrease in the milk flow and an increase in the

thoroughly every time it is used. If this is not done properly, the passages for the skimmilk and cream within the bowl may become clogged. This will cause inefficient skimming and is also likely to cause a variation in the test of the cream. Keep the separator bowl clean; this not only will make the separator do more effective skimming, but the cream also will be of better quality.

These conditions are likely to vary from time to time when separating milk; therefore, a cream shipper may well expect to have a variation in his cream test. If there is a slight variation in the tests of various deliveries of cream, do not condemn the cream buyer, for he may not be at fault. Examine your cream statement and see if there is a variation in the total pounds of butterfat which you are being paid for. If your cream tests a little lower than it did at the previous delivery, you may have a few more pounds of cream to your credit; so that after all you may be getting paid for the same amount of butterfat.

### Take Care of the Calves

Take good care of your calves, for if you lose one you have lost the use of your cow for a whole year. A little extra care and attention at the right time may mean the saving of the calf.

When the calves are 7 to 8 months old, wean them, for the cows need a short vacation in which to build up the next calves they are to drop.

The calves should be taught to eat grain early in life, so that they will not have a setback when they are weaned. If you want your calves to develop the way they should, it will be necessary to keep right on feeding them after they are weaned. Develop your calf in the first 18 months of his life, for if you do not do it at this time the chances are you never will. The calf that loses his "calf fat" at weaning time will never develop into the good individual that he would have had he been grown properly and not allowed to go back at this period.

Heifers that are grown properly should be bred at 20 to 21 months of age, so that they will bring their first calf at about 30 months of age.

W. L. Blizzard.



## The Record of Three Cows

Common Farm Stock that Proved to be Worth Keeping

BY D. B. KINNISON

I MADE \$235.93 from three milk cows in one year. We make butter and also sell sweet cream, whole milk and buttermilk direct to the customer in a town 5 miles distant. I get 25 cents a pound for butter during the pasture season and 30 cents in the cold months. Sweet cream brings me 40 cents a quart, whole milk 6¼ cents, and buttermilk 5 cents. My family of six had milk, butter and cream to use during all this time and I also had the separated milk to feed the calves and pigs. These products consumed at home probably were worth an additional \$30 not included in my sales record.

My cows are plain, ordinary farm animals. One is a Shorthorn and one has Guernsey blood. Both are about 14 years old. The third cow is a quarter-blood Jersey-Shorthorn 3 years old.

The cows were in pasture during the season and pastured on corn stalks for part of the fall and winter, then fed on alfalfa hay and ear corn. They had a warm shed and plenty of straw bedding, but otherwise received only ordinary care. The drinking water never was warmed for them during the winter. My sales of dairy products for the 12 months were \$160.93. I sold one calf for \$10 and another for \$15, and have two calves worth \$50, making my total for the year \$235.93. No doubt I could have done much better if all had been young cows of good dairy breeds.

While a cow of good dairy breeding is all right to own, it is difficult to sell her at public sale for what she is worth. A cow that sells well at a farm sale must have dark red hair and carry an abundance of beefsteak.

### Don't Have the Churn too Full

Some persons have a difficult time to get their cream churned, because they fill the churn too full. The churn should be only about a third full to allow the cream to churn well and expand. In cold weather the cream should be kept in a warm place and allowed to ripen well. It should be stirred thoroughly twice a day and the third day it will be ready to churn. If churned rapidly enough the butter will gather in 15 or 20 minutes.

In getting the butter ready for market wash the milk out with cold water and a wooden paddle, then add a teaspoonful of salt for every pound of butter. The butter mold should be scalded and placed into cold salt water, and after the butter has set a half hour, it can be molded smoothly.

The separator, strainer, and all vessels used in handling the milk should be washed and scalded twice a day.

E. M. H.

### Irene's Cherry a Jersey Champion

Irene's Cherry 285828 has earned the title of "World's champion senior 2-year-old Jersey." She went on test at 2 years and 11 months old, and in 365

days produced 12,567.7 pounds of milk, containing 749.87 pounds of fat. This means 882.2 pounds of 85 per cent butter and easily exceeds the record which was made by Lad's Lady Riotress Irene, the former champion.

The new champion is a direct descendant of Loretta D. and Ida Marigold. It will be remembered that Ida Marigold was the best cow of any breed in the cheese test at the World's expositions at Chicago and St. Louis, and Loretta D. was pronounced best cow of any breed in the tests for economic production of butterfat and butter; and economic production of milk for all purposes of dairying, at the St. Louis exposition.

It is interesting to note that Irene's Cherry is the first cow to go on official test at Fewacres Farm, located at Wauwatosa, Wis. She was bred by Clark and Emery of Belvidere, N. Y., and sold to F. D. Underwood, her present owner, before she was 2 years old.

### Ripen the Cream Properly

To make good butter the cream must be neither sweet nor too sour. One will learn by experience to know when it is at the right temperature. By all means have a dairy thermometer and save yourself hours of worrying and fussing over the butter that "just won't come." If the cream is cold, set the vessel in another containing hot water. Stir occasionally until it reaches the right temperature for churning which you will find marked on the thermometer. Then take it from the water and churn immediately.

Take up the butter as soon as the churning is finished. Do not let it stand in the buttermilk for several hours as I have seen some buttermakers do. Rinse the milk out of the butter with cold water, salt it, and after working it for a short time, set it away for the salt to dissolve. It should be worked again or it will be streaked, and then it is ready to pack away.

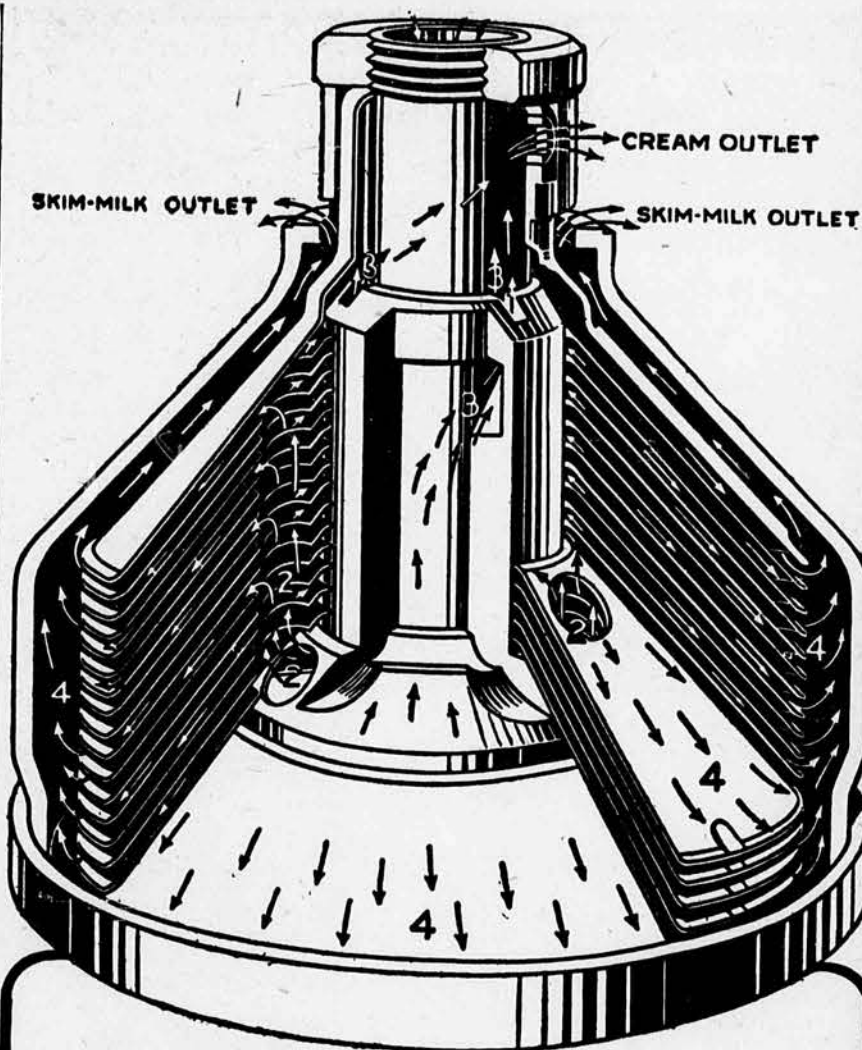
Cora E. Austin.

### Milk Utensils Must be Clean

To make good butter one should have clean milk utensils. They should be washed carefully, scalded and aired. When the cream is 12 hours old I put it in the can with the rest and when it has ripened enough I churn it at a temperature of about 62 degrees. I wash the buttermilk out with two or three waters, or until the water is clear, and then add an ounce of salt for every pound of butter. This is worked in well and the butter left to stand until the salt is well dissolved. Afterward it is worked again and then molded. One should be careful to keep milk, cream and butter away from all vegetables or anything that has a strong odor as odors are absorbed easily.

Mrs. A. H. Baumann.

A hog will thrive much better if he comes to fresh feed every time rather than to that he has mused over before.



## Here is the heart of THE NEW DE LAVAL CREAM SEPARATOR

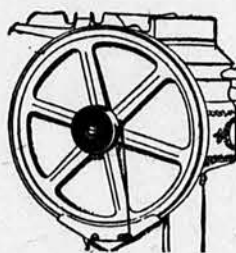
THIS is the new self-centering De Laval bowl with detached spindle, that is creating such a sensation in the dairy world.

This new De Laval bowl, with patented tangential tubular milk passages and patented removable milk conveyor, makes possible in a bowl of given size and weight, operated at a given speed, greater skimming efficiency and capacity than has ever before been attained in any other cream separator bowl.

These are big advantages that you can secure only in the De Laval.

But aside from the big advantages of greater capacity and closer skimming, there are many other important improvements in the New De Laval.

All discs are now interchangeable and are unnumbered. There are fewer discs. On account of greater simplicity of bowl construction, the New De Laval is easier to wash and, capacity considered, is still easier to run than before. High grade construction and design, together with perfect automatic lubrication, are a guarantee that the splendid De Laval record for durability will be maintained in the new style machine.



Every New De Laval is now equipped with a Bell Speed-Indicator, the "Warning Signal" which insures proper speed and uniform cream.

If you are trying to get along without a cream separator or with a half-worn-out or unreliable machine, why not get a NEW De Laval NOW and stop your cream waste? You don't need to count the cost, because the De Laval will soon pay for itself.

There is a De Laval agent near you who will be glad to explain all the improvements and advantages of the NEW De Laval, and who will set and start a machine for you on your farm and let you try it for yourself.

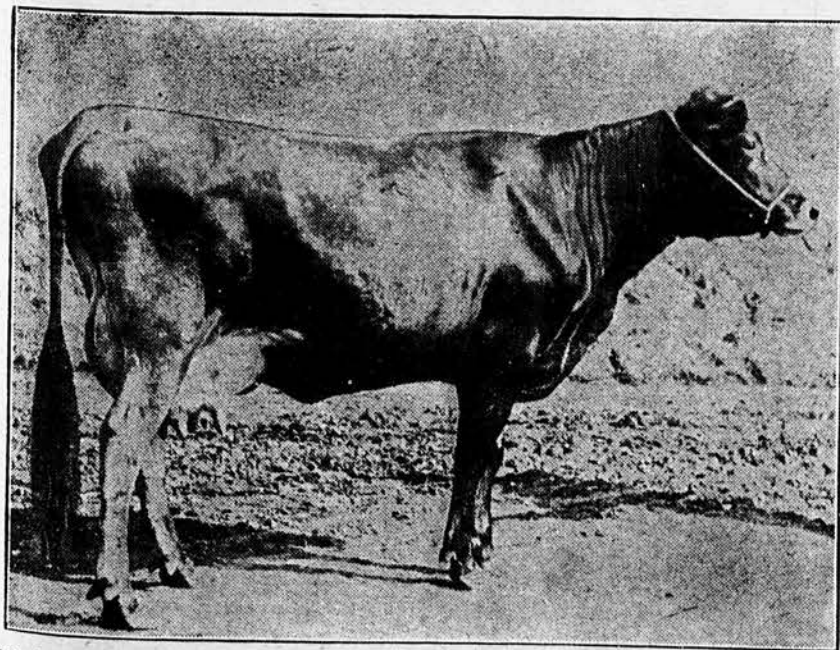
Why not see the nearest De Laval agent at once? If you do not know him, write to the nearest office for any desired information.

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**THE DE LAVAL SEPARATOR CO.**  
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## "Short Measure—eh?"

A cow can not tell you when she is sick, but her milk yield is a very accurate indication of her condition. The fact is, thousands of cows are allowed to remain unprofitable or below their reasonable standard of productiveness through their owner's failure to act on the hint of the milk pail. Don't pass it off by simply calling her a "backward cow"—correct the trouble and reap the extra profit.

Kow-Kure is a medicine for cows that are "off color." It is in no sense a food, but it promptly acts on the digestive organs and enables the cow to thrive on her natural food. Its great curative powers act on the genital organs where many cow ailments originate. The success of Kow-Kure is positive in the prevention and cure of Abortion, Barrenness, Retained Afterbirth, Milk Fever, Scouring, Lost Appetite, Bunches and other common ills.

You can buy Kow-Kure from feed dealers and druggists, in 50c. and \$1.00 packages.

DAIRY ASSOCIATION CO.  
Lyndeville, Vt.

**KOW-KURE**

Write for free book "The Home Cow Doctor"



## Let Us Send You Six Roses Free

### Roses That Have Made the Ramblers Famous

Of all flowers, no other excites so much attention and admiration as Climbing Roses, and none gives more pleasure; adapting themselves as they do, to many uses. The varieties we offer have been selected for their hardiness, strong, climbing habit, freedom of bloom, beauty of flower and sweetness of scent. These roses are rapid climbers, frequently producing shoots from ten to twenty feet in a single season. The flowers are produced in lavish profusion and present many beautiful and gorgeous colors. These roses are admirably suited for porches, arbors, walls, trellises, etc., and are also valuable for fences and lattice work around the home or garden. Of the many rambler roses introduced in the past few years, the following list presents roses which have been recognized as the



### "All Star Collection"

The roses that we offer are from one of the largest nurseries in the world and are guaranteed to reach the subscribers in good growing condition. They are strong one-year plants, well rooted and are of blooming size. The instructions sent with the roses, will make it easy for you to bring the plants in fine large bushes even if you have never before grown roses.

### Description of the Climbing Roses

#### White Dorothy Perkins

A pure white sprout of well-known Dorothy Perkins, of same habit of growth and freedom of flowering; a splendid companion for the pink variety, as it flowers same time. A valuable addition to the class. Awarded gold medal National Rose Society, and award of merit Temple Show, England.

#### Tausendchön

Tausendchön, which in German means Thousand Beauties, is a beautiful rose with colors running from delicate balsam or tender rose through the intermediate shades of bright rose and carmine, with white, yellow and various other delicate tints showing. Strong and hardy.

#### Dorothy Perkins

Beautiful shell pink. A rapid grower, frequently developing shoots from 10 to 15 feet long in one season. Hardy, withstanding the severest winters without injury. Blooms in clusters, flowers double and large.

#### White Baby Rambler

This is a true ever-blooming Crimson Rambler. There has been a widespread demand for a Crimson Rambler that would bloom more than once. Here you have it. Everyone knows how Baby Rambler is always in bloom. This is simply a climbing form of the Baby Rambler, embracing all its good qualities.

#### Shower of Gold

Color deep golden-yellow and orange. A very vigorous grower. The foliage is beautiful in form, in color, and in its high metallic luster. Produces a mass of bloom. One of the finest, leaving little to be desired in a yellow.

#### Excelsa

A distinct variety in color, form and habit. The color is an intense crimson-maroon, with tips of the petals tinged scarlet. Flowers large and double, 30 to 40 on a stem, and almost every eye on a shoot produces a cluster of bright blossoms.

**SPECIAL OFFER** We will send six of these beautiful Climbing Roses free and postpaid to all who send us 60c to pay for a THREE year subscription to the Missouri Valley Farmer. New or renewal subscriptions accepted on this offer.

MISSOURI VALLEY FARMER, Rose Dept. 2, Topeka, Kan.

## Honey, and the Way It Grows

### An Extractor is Needed for the Best Results

BY E. E. TYLER

HONEY is produced in three forms—extracted, chunk and comb or section honey. A colony will supply much more extracted honey than either comb or chunk honey. The secretion of wax, used in making comb, is slow and expensive work. It takes from 15 to 20 pounds of honey—used by the bees as food—to produce 1 pound of the wax; so for greatest honey yields the combs should be saved and returned uninjured for refilling. The average yield of chunk honey or comb honey is about 25 pounds a colony; of extracted honey from 50 to 75 pounds. A beginner with a few colonies may not feel able to buy an extractor, but often he can co-operate with neighbor beekeepers and get an extractor for the neighborhood.

Extract only ripe honey which will always be found sealed or capped. A little honey not yet fully ripened and capped mixed with other extracted honey will spoil the whole lot. Before extracting the honey must be uncapped. To uncapp honey the uncapping knife with a blade 8 inches long is best, tho a good butcher knife will do. Keep it as sharp as a razor. Stand a frame full of capped honey on end on the board of the uncapping jar. The sharp nails will keep it from slipping. Shave the caps off in large, thin sheets, letting them fall into the jar. The low places can be uncapped readily with the rounded end of the blade. Turn the frame and do likewise to the other side. It is now ready for the comb pocket of the honey extractor.

Before using, clean the extractor thoroly and oil the bearings sparingly. Place it on an inverted box high enough for a pail or jar to be placed under the honey gate and anchor it securely. Close the honey gate. Place an uncapped frame in each of the comb baskets and partly extract from one side. Reverse the baskets and extract part from the other side, to avoid cracking the combs, and then speed up and clean the one side and reverse the baskets and clean the other side of both combs. A little practice will soon indicate the speed required for each part of the work so as not to injure the combs. Extracted honey can be stored the same as canned fruit.

By taking the capped frames from one super at a time and shaking or brushing the bees back, the honey will be warm enough to flow well, and the comb is in about its toughest state for extracting. Return the empty combs to the super and in this way go thru all the supers. If the flow is plentiful it may take two or even more supers to each hive to keep up with the needs of the bees.

Extracted honey should always be strained thru a cloth to remove pieces of wax, chips or other particles. To strain honey easily, use a piece of cheesecloth tied or pinned over the vessel. Another convenient way is to make a bag about the size of a 5-cent salt sack with a twisted wire ring sewed around the top to hang it under the honey gate. A wire ring 1 foot across covered with cheesecloth so it will bag some is handy and easily cleaned. By means of a stick un-



Where the Bees Live.

der one edge it can be held up, while the other side rests on the edge of the vessel.

Chunk honey is obtained by simply going into the hive and cutting out chunks of honey and comb, using it in that form. Comb or beeswax is indigestible and should not be eaten. Chunk honey should be put in a pail and this set in a vessel of scalding water until the comb melts. Then on cooling slightly the wax will form a cake over the honey, which may be taken off leaving the pure honey ready for use after straining.

Fancy market-honey usually is produced in small sections each weighing about 1 pound, and when properly cared for it can be produced profitably. Some beekeepers work for section honey only but it usually is more difficult to get bees into a super of sections than into an extracting super. To overcome this, first get them to partly fill a super of frames for extracting and then raise it and put a super of sections with foundation starters between it and the brood chambers. They then usually will store in the sections.

Pure honey is a wholesome and delicious sweet and its general use should be encouraged by a more generous supply on the market as well as on the table of the beekeeper. The real value of honey for table use is well known and need not be emphasized. It is much more delicious and wholesome than any sirup or similar material. It can be used in place of sugar, sorghum, and other sirups in many recipes, and when used it improves the flavor of the finished product. More honey should be produced and used on every farm.

The bees collect nectar and pollen from many kinds of flowers, tho most of the honey comes from a few. The flower must be one not too deep for the bee to reach the bottom, and it must have enough nectar to attract the bee. A honey bee cannot profitably collect nectar from Red clover because its tongue is too short. The bumblebee with a long tongue is especially adapted for Red clover.

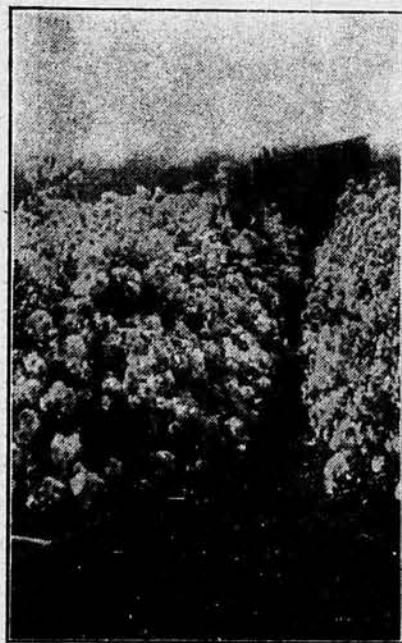
Beginning in the spring we have maple blossoms and then the fruit blossoms which provide some nectar and pollen; later come the locust, lindens and the all important—the real honey plant—White clover. A large part of the honey in this state comes from White clover. Sweet clover is rapidly coming to the front as a honey plant and a soil builder for waste places. Later we have the summer and fall blossoms, such as alfalfa, golden rod, smart-weeds, buckwheat, Spanish-needle and other similar blossoms. The late fall blossoms usually produce an inferior grade of honey.

A beekeeper's best motto is "Keep all colonies strong." A robber is merciless, taking from the weaker colonies until they swarm out even in the fall or early spring when there is no honey left. Robbing is the cause of many freak actions of bees.

Robber bees are sneaking in action and become stripped of so many hairs as even to look smooth. They will tear down combs, dropping sawdust-like chips on the bottom of the hive in their hurry to make away with the ill-gotten gain.

Should your bees get to robbing, contract the entrance of the hive being robbed to a working limit, of about 1 inch. Coarse hay or weeds put over the entrance, as in moving bees, usually will stop it quickly. A robber will not go where the guards can get hold of it, so you are taking advantage of a weak point. Sprinkling with cold water also adds to the fear.

Transfer swarms and comb from beehives to movable frame hives on warm days early in May.



A Harvest for the Bees.



# To the American People:

Powerful interests in the United States are attempting to put the responsibility for the present high price of binder twine upon the *Comision Reguladora del Mercado de Henequen*, a co-operative selling organization composed solely of the sisal farmers of the State of Yucatan, Mexico, under the control of the State Government. In view of the widespread campaign that is being conducted against this organization, and the false impressions that are being created thereby, we feel that it is our duty to inform the American people that sisal (one of the fibres from which binder twine is made) has been and still is the cheapest hard fibre obtainable in the American markets, and we submit herewith irrefutable data in substantiation of this statement.

**BINDER TWINE MADE FROM YUCATAN SISAL SHOULD BE SOLD TO THE AMERICAN FARMERS THIS SEASON AT A PRICE SEVERAL CENTS PER POUND BELOW THE PRICE OF TWINE MADE FROM MANILA HEMP OR ANY OTHER FIBRE.**

It is true that the price of sisal fibre has increased since December from 10½ cents per pound to 16½ cents, the price at which February-March shipments are now being offered, but the prices of all other similar fibres have increased in like proportion, as the figures given below will prove.

In 1916 Yucatan obtained approximately \$40,000,000 for her entire crop of sisal fibre. Every cent of that sum, with the exception of approximately \$1,000,000, remained in the United States, representing the purchases made by the Yucatan farmers and merchants in this country. Yucatan produces practically nothing except sisal fibre, and buys her food, clothing and other necessities of life in the American markets, where prices of all commodities have soared to the highest levels ever attained. Thus the money that the American farmers paid, indirectly, to the Yucatan farmers came right back to them in the shape of payments for wheat, corn, flour, cotton and woolen goods, and the thousand and one other necessities of life that Yucatan is compelled to buy in the American markets.

The increase in the prices of all commodities, sisal and all other fibres included, is due to the general condition of the world markets, and the law of supply and demand is the sole controlling factor. Therefore, it is illogical, unjust and malevolent to impute to the *Comision Reguladora* responsibility for the high price of binder twine.

In the face of the indisputable facts here set forth, we confidently anticipate that the keenly-observant, fair-minded American people will easily discern that the attacks made upon Yucatan's co-operative organization have emanated from persons who are inspired by purely selfish motives. Prior to the organization and effective operation of the *Comision Reguladora del Mercado de Henequen* certain middlemen were enabled to accumulate large fortunes in consequence of their control of the sisal market. Yucatan's co-operative marketing organization has effectually eliminated speculators and middlemen of every sort from the sisal market, and, naturally, the loss of this source of revenue has caused them to attempt to accomplish the disruption of the *Comision Reguladora* and the reinstatement of themselves as the dominant factors in the marketing of Yucatan's only agricultural product.

**WE ASK ONLY THAT THE AMERICAN PEOPLE GIVE THOUGHTFUL CONSIDERATION TO THE REAL UNDERLYING FACTS OF THIS SO-CALLED "SISAL CONTROVERSY" AND NOT GIVE SUPPORT UNWITTINGLY TO THE SELFISH AND POWERFUL INTERESTS THAT ARE HIDDEN BEHIND THIS VERY EXTENSIVE CAMPAIGN AGAINST THE COMISION REGULADORA.** Study the Manila hemp market as well as the Yucatan sisal market, and do not give to your neighbor in Yucatan a degree of justice that is less than that which you give to the Filipino, whose fibre also is used for making binder twine.

## YUCATAN FARMERS' MARKETING SYSTEM

The *Comision Reguladora del Mercado de Henequen* (Commission for Regulating the Sisal Hemp Market) is a co-operating marketing organization, composed entirely of sisal farmers, under the control of the government of the State of Yucatan.

It was created in January, 1912, by special act of the legislature of Yucatan and was reorganized in November, 1915.

The board of directors—10 in number—is composed solely of sisal planters of Yucatan.

None but the farmers derives one cent of profit from its operation.

All the sisal growers of Yucatan, and of the adjoining state of Campeche, are members of the organization and participate in its benefits in the exact proportion to the number of pounds of fibre each delivers to the association for marketing.

After deducting the expenses of operation, federal and state taxes, cost of transportation and warehouse charges, the remainder of the proceeds of sale is divided among the farmers at the end of each commercial year.

The sisal is sold to American manufacturers, large and small, direct, at the same price, saving them the commissions heretofore paid to the middleman.

## THE MIDDLEMAN IS ELIMINATED

Prior to the organization of the *Comision Reguladora* the Yucatan sisal market was absolutely controlled by speculators—two buyers, who made deliveries to the two principal American twine manufacturers, and bought annually from 90 to 98 per cent of the entire sisal production. They arbitrarily fixed the prices at which the farmer had to sell his product. They accumulated millions of dollars thru their operations. They loaned money to the Yucatan farmer and took as security mortgages on sisal plantations or liens on the sisal crops. In many cases the money was repayable in fibre, at prices fixed by the buyers. Often the price was far below the prices of competitive fibres of equal strength and usefulness in the manufacture of binder twine.

## LAW OF SUPPLY AND DEMAND GOVERNS

With the possible exception of one or two weeks, there has not been a single day since the *Comision Reguladora* relieved the market from the control of the middlemen when sisal fibre has sold at a higher price than even the lowest of the twine grades of Manila hemp, its principal competitor.

Testimony given before the U. S. Senate Agricultural Committee at Washington shows that the following grades of Manila hemp are used in the manufacture of binder twine: Fair Current, Government F (Current), Midway and Good Current. Sisal fibre is selling today on a parity with the lowest of these grades of Manila hemp and from 2½ to 8½ cents per pound below the other grades.

The Philippine Islands (United States territory) produce approximately 1,100,000 bales of Manila hemp annually. Yucatan produces approximately the same amount of sisal. If the price of Yucatan's sisal were arbitrarily put at a figure above its intrinsic value as compared with Manila hemp, the manufacturers would, naturally, buy the latter fibre. Competition between sisal and Manila hemp is very active at all seasons of the year. Yucatan's million bales are constantly matched against the million bales from Manila. And, in the competition, YUCATAN SELLS HER FIBRE FOR LESS THAN THE PRICE OF MANILA HEMP.

The following table proves our assertion and upholds our position. The table was made by the American Draughting Company of New York, and is based on quotations printed semi-monthly in the *Cordage Trade Journal* of New York. A look at the table will show that the price of sisal fibre is, and

has been, on a level below that of other binder twine fibres. It proves that the American farmer should get sisal binder twine this season much cheaper than twine made from other fibres.

## PRICES OF BINDER TWINE FIBRES

(In cents per pound)

	Mexican Sisal	Good Current Manila	Midway Manila	Gov't "F" Manila	Fair Current Manila
1914.					
Jan. 1st....	5¼	12¾	10¾	....	6½
July 1st....	5½	12¾	11¼	....	6½
1915.					
Jan. 1st....	4½	9½	8¾	....	7
July 1st....	5½	11¾	10½	....	9¼
1916.					
Jan. 1st....	7	13½	12½	12½	11½
July 1st....	10	17½	16	15¼	12½
1917.					
Jan. 1st....	14½	22½	20	18	16
Feb. 1st....	16½	25	21½	19	16½

## THE AMERICAN FARMER'S POSITION

It has been charged, for the purpose of injuring the *Comision Reguladora*, that Yucatan "robbed" the American farmer in 1916 of more than \$4,000,000 by reason of the increase in the cost of binder twine as compared with 1915. Yucatan did get more for her sisal last year than she obtained in 1915. The American farmer, however, got a far greater increased price for the products of his farm. According to the report of the United States Agricultural Department, Bureau of Crop Statistics, the American grain farmers received approximately \$803,000,000 more for their corn, wheat, oats, rye and barley in 1916 than they got for their 1915 crop. Yet they harvested a billion bushels less in 1916 than in 1915 and the area harvested was nearly 7,000,000 acres below that of 1915!

**THE INCREASED COST OF BINDER TWINE TO THE AMERICAN FARMER IN 1916 WAS APPROXIMATELY FIVE CENTS PER ACRE. YET HIS INCREASED REVENUE FROM HIS GRAIN CROPS WAS SEVERAL DOLLARS PER ACRE MORE THAN IN 1915.**

Yet the maligners of the *Comision Reguladora* craftily shriek "monopoly" and "robbery" at the farmers of Yucatan whose proceeds from the sale of sisal came right back to the United States!

Last year Yucatan paid \$11 to \$12 for American flour, against \$5.50 to \$6.00 the year before, paid almost double for the corn and wheat she imported, more than double for potatoes and beans, much higher prices for bacon, ham, butter, eggs, canned goods, machinery, clothing, cotton goods, etc.

## COST OF PRODUCTION HIGHER

**THE COST OF PRODUCTION OF SISAL FIBRE IN YUCATAN HAS MORE THAN DOUBLED IN THE PAST 18 MONTHS** in consequence of the admirable social reforms inaugurated by Governor Alvarado's administration. Peonage has been abolished and the field laborer is now a free man and must be paid living wages. Instead of working for a pittance, as they did prior to the present revolutionary reforms, the laborers now receive from \$1.50 to \$3.00 (American gold) per day. The day's labor is limited by law to eight hours and the working week to five days; child labor is prohibited, female labor is strictly regulated, working conditions have been improved at considerable cost to the planters, public schools have been established on each sisal plantation at the expense of the farmers and the labor law provides compensation to laborers for accidents and sickness besides compelling the farmers to provide old age pensions and otherwise safeguard and protect the health of the laborers.

Hundreds of Americans are going to Yucatan now because of the improved labor conditions, good wages, equitable laws and just treatment.

## STATISTICAL POSITION OF SISAL

One year ago when Yucatan sisal was selling for 7¼ cents, New York, there was a large surplus of sisal on hand and the indicated production for the first six months of 1916 was large. On January 1, 1917, there was an actual shortage in the visible supply of nearly 300,000 bales, and an indicated decrease in production during 1917 of at least 25 per cent.

Here is a statement of the world's visible supply of sisal fibre on January 1, 1917, subject only to minor corrections, as compared with the same date a year ago:

	1916 Bales	1917 Bales
Stock at Progreso, Yucatan, January 1.....	107,786	22,075
Stock in U. S. warehouses, January 1.....	118,825	.....
Stock afloat, January 1.....	14,167	27,304
Stock at Merida and Campeche, January 1.....	110,900	39,762
	351,678	89,141
Shortage January 1, 1917.....		262,537

## COMPARATIVE CORDAGE PRICES

The following table shows comparative prices of various cordage and proves that Yucatan sisal is merely following the market trend:

	Jan. 1, 1916.	Feb. 1, 1917.	Increase.
Pure Manila rope.....	13¼	23	.09¼
Manila rope, 2nd grade.....	12¼	22	.09¼
Manila rope, 3rd grade.....	10¼	20	.09¼
Sisal rope, 1st grade.....	9¼	19	.09¼
Sisal rope, 2nd grade.....	8¾	18	.09¼
Cotton rope, 1st grade.....	20	29	.09
Cotton wrapping twine, 1st grade.....	20	35½	.15½
Sea Island twine.....	30	44	.14
Braided sash cord.....	22	32	.10

Italian hemp twines have increased more than 10 cents per pound, jute twines are from 6 to 10 cents per pound higher and all other fibre products have soared in like proportion, some cotton yarns being up more than 20 cents per pound.

## A FINAL WORD TO THE PUBLIC

There is now pending in the United States Senate a bill, known as the Webb bill, which specifically authorizes combinations of American manufacturers to deal only in foreign commerce. The bill has the approval of President Wilson and already has passed the House of Representatives by a majority in the proportion of 8 to 1. Such combinations of manufacturers are prohibited in the United States, and it is the purpose of the Webb bill to legalize these "combinations" for foreign trade only. The expressed purpose is to build up the trade of this country with Latin America.

How, then, can this country consistently object to an association of farmers in Yucatan organized solely for mutual help in the marketing of their crops, especially when the association is under regulation by its Government? Will any such inconsistent policy encourage Latin America to do still more trading with the United States?

In conclusion, we say again, study Yucatan's position with an open mind and accord to her and her farmers the measure of justice that Americans would demand for themselves.

**Comision Reguladora del Mercado de Henequen**

Branch Office: 120 Broadway, New York City

Main Office: Merida, Yucatan, Mex.



## "Plowed For 28c An Acre"

"AND it was mighty good plowing too," says Will Clark of Emerald Grove, Wis., when telling about his new Janesville Tractor Plow. "Turned everything clear under just like our Janesville horse plow. Our Janesville horse plow always pulled a horse lighter and I am glad to see you put the same proposition in your tractor plow."

## JANESVILLE Tractor and Horse Plows

The secret of good plowing with these plows is in the flexible frame and the shape of the mouldboard. The first point to consider in either a tractor or horse plow is the frame. It must handle the plows properly; allow enough of a "floating" movement for the plow bottom to take away the pinch at the plow points. Then consider the mouldboard. It must curl the furrow smoothly—handle flow of soil with least pull on the team or drawbar. These features in Janesville plows account for their winning year after year in the famous plowing matches at Wheatland and Big Rock, Illinois; also for being able to use the same plow bottom in sticky loam, blue muck, clay, sod or stubble. As one owner says, "I can plow anywhere as good as in my best field."

Janesville Tractor Plows curl the furrow at any speed. Can be used with any tractor. Two or three bottoms. Plow 12, 13 or 14 inch furrows without changing plow bottoms.

### This Book FREE

We specialize in building a limited line of farm machines for the more efficient type of farmers. Send for our catalog. Our line includes Janesville Tractor and Horse Plows, Corn Planters, Cultivators, Harrows, Listers, Weeders and Seeders. Also cotton tools for southern farmers.

**JANESVILLE MACHINE CO.**  
42 Center St.  
Janesville, Wis.  
Established 1859



Janesville Horse Plow and Janesville Tractor Plow

## Hog Raisers, Attention!

Special Offer to every buyer of Standard Hog Regulator February 19th to 24th, inclusive.

### Standard Hog Regulator Week



Annual Prize Week for Standard boosters. It will pay you well to see the Standard Dealer in your town, or write us at once for special offer coupon. Handy note book free with each coupon by mail.

Dept. 34  
Standard Chemical Mfg. Co., Omaha, Neb.

**How to get 5 Gallons Free of Oil Free**  
Write  
**PROGRESSIVE OIL COMPANY,**  
TOPEKA, KANSAS

## What Shall I Do, Doctor?

BY DR. CHARLES LERRIGO.

### Whooping Cough.

My children were exposed to the whooping cough about Christmas time and about two weeks later they had fever and began to cough. We went to our family doctor and got medicine for them before we were sure they had whooping cough so that they are not having it very hard. Do not cough much thru the day and have not whooped very many times yet. It has been three weeks now since their feverish spell. Will you tell us how long we should keep them away from others to keep from giving it? We have kept them right at home so far. Can a person that has had it carry it to others? How long will the germs remain active? (Meaning those in the excretions from nose and throat.) Is it positively necessary to fumigate after they seem to be over it? Of course I know it is more sanitary but I wondered if the germs would live for a long period of time like some other diseases. Some say that the children will cough all winter. Will they give whooping cough if they do? Please give us a thoro discussion of it. I do not want to stay at home needlessly nor do I want to scatter the whooping cough. My children were exposed in another county and so none of the families around here have it. MRS. L. F. C.

This is a good time to discuss whooping cough for it is now prevalent all over the country. Mrs. L. F. C. has the right spirit; she does not propose to scatter the disease. To be safe she will have to keep her children at home for three months, unless the cough absolutely ceases before that period has elapsed. It is possible, though not at all likely, that the cough may be contagious even longer than three months. Many children continue to whoop, every time a fresh cold excites the cough, for a period of a year or even two or three. Such a cough, while retaining the peculiar sound of whooping cough, is not contagious. There is no need for the

Political contests, important as they are, are but incidental to the business of government. The real business of government is direct, efficient, devoted service to the people—all the way from the township to Washington. Ours is a government by distrust. It was created when monarchism was the dread of the new world. Every division of the then new government was strongly entrenched against the other because our forefathers dreaded a king more than anything else in the world, and unity of action in our public service has been impossible from that day to this. Little government was needed in those days. Now the need is complex. And more important than presidents, cabinets, tariffs, or anything else governmental, is a reformation of the business methods of American government from top to bottom.

mother to be quarantined though it is well that she should not wear in public the dress in which she attends the children. There is very small probability that the disease can be conveyed by an intermediate person—none if such simple precautions as washing, and changing the clothing are observed. The contagion is very readily transmitted by the infected child, though, and one such patient may infect a whole school. Nothing is gained by fumigating after the disease is over unless it be that the opening wide of doors and windows to the fresh air is thereby made an absolute necessity. The germs do not linger long after the children cease to cough.

During the early stage, while the child is feverish and has much irritation of the membranes, he should be kept quiet in a well-ventilated room, and should be in bed if temperature exceeds 99 degrees. This stage lasts from two or three days to two weeks. When this is passed he may play outdoors even in cold weather if properly dressed. Do not close the bedroom at night. Leave the windows wide open. The patient may continue to occupy a sleeping porch if such is his custom. Children who vomit should have especial attention as to nutrition. Feeding every three hours is better than three full meals a day. It is better to give food in liquid and semi-solid form rather than dry, as dry foods seem to incite coughing and reflex vomiting.

The dangers of whooping cough lie in several directions. Any fever coming on suddenly in the course of the disease,

especially if accompanied by an aggravation of the coughing, demands prompt medical attention to prevent pneumonia. Nutrition often suffers from the frequent vomiting. This demands special and frequent feeding. Ear trouble should not be slighted as it may result in middle-ear disease. Children of good constitution given proper care by an intelligent mother generally get well in from six to ten weeks, but the disease is very fatal to tuberculous or rickety children, and to the neglected. Usually it is considered especially dangerous in a child less than 6 months old, but the age need not cause the mother to despair. I have seen many cases in children 3 months and younger (one in my own family) and all of them have made good recoveries.

As to medicine: Every doctor has his favorite prescription (I have one of my own that sometimes seems to work marvels); give what your doctor orders but do not add to it half a dozen medicines of your own contriving. When the cough has settled down to a few regular paroxysms daily the best medicine is fresh air, and time.

### Epilepsy.

I am troubled with epilepsy. I have had it ever since I was small. My mother and father are healthy as well as my brothers and sisters. The only way I account for it I was always very nervous, and was scared when I was little. I was taken to a hospital and operated on, but it did no good. I have also gone to many other doctors and have also gone to many other doctors and has not done any good. I am now married, have one child and am 22 years old. Please tell me is there any cure for me. J. M. H.

I am sorry that I cannot give you any great encouragement. You do not say how severely you are affected which is a very important feature in judging the probability of recovering. Since you are only 22 and of good family you have two points in your favor. I strongly advise you to get into communication with the State Hospital for Epileptics at Parsons, Kan., and obtain advice. It is wasting time to go to the ordinary physician in general practice for such a purpose. It is highly important that you bear no more children.

### Try Electricity.

In September, an ear, side of my neck and face and one shoulder broke out in big, deep sores. Was most painful. The sores healed in three or four weeks, but the pain continued for about three months and now while not so severe, is still quite painful, a little swollen, and an itching pain seemingly beneath the skin. My physician was of the best. He said it was inflammation of the nerve sheath, and generally run its course in six weeks. The seat of the trouble, he said, was in the dorsal nerve, tho my back did not hurt at all at that time. He said it was not shingles, but I can't remember just what he did call it. Now while my neck, face and ear still pain me, my back also is more or less painful, and when I lift anything, has a pulling sensation, and leaves such a burned in, aching pain, that altogether is a drain on my strength. My face, neck and ear are always cold. The doctor said it was unusual for it to last so long, but said no treatment would help. Now what do you say? H. A.

Such cases are very intractable to treatment. It must be directed to improved nutrition and a general building up of the system. One specific agent that usually is very helpful is galvanic electricity.

### Swelled Hands.

A Subscriber: The swelling of your hands suggests some disease of the heart or kidneys. Better have a careful examination.

### Kind Words from Colorado

I think Arthur Capper is doing more to keep Kansas boys at home than any other person. His pig contest certainly is a big thing, and I only wish all the governors were farmers enough to start the boys on the right track as he is doing. If the governor of Colorado would lend the boys the price of a sow and start a contest it would not be long until we would be on the map just as Kansas is today.

When my time runs out on the Farmers Mail and Breeze let me know as my dollar is always waiting for the namer. Craig, Colo. E. M. Smith.

Mrs. O'Flaherty and Mrs. Finnerty were having a conversation, Mrs. O'Flaherty belonging to the newly rich. Mrs. Finnerty said to Mrs. O'Flaherty, "Who were your ancestors?"

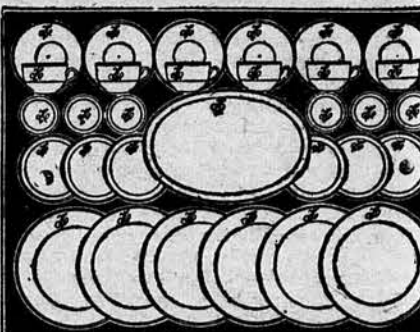
"Ancesters, what d'ye mean?" "Why, who did you spring from?" "I wud have you know, Mrs. Finnerty, the O'Flahertys spring from no wan, they sphring at them."

**MAYER HONORBILT**  
For style and comfort wear  
**Mayer HONORBILT SHOES** For all the Family  
Ask your dealer for Mayer Shoes. Look for the trademark on the sole.  
F. Mayer Boot & Shoe Co.  
Milwaukee, Wis.

**Peerless FENCE**  
"Same in Sunshine or Rain" Says Col. Experience:  
"I have managed to keep my eyes and ears pretty wide open these many years and here is what I've found out: Through fair weather and through rain, through January's blizzards and July's boiling sun, Peerless Fencing Stays Put."  
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is a name that stands for much value to every farm owner, and is worthy of your fullest confidence.  
Peerless means Fencing and Gates of solid, heavy-gauge, open hearth steel wire, woven with a close, firm mesh, perfect rust resisting and anchored to stay by the famous Peerless Tie. Proof: Seventeen years of daily service on farms throughout the country.  
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206 Michigan St., Adrian, Mich.

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The new cigar-shaped Pipe that has created a sensation. Made from the best briar. Smoke your favorite tobacco in it. Thousands being sold.  
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BY MAIL POSTPAID, Send Stamps, Coin or Money Order.  
**A DRY AND HEALTHY SMOKE**  
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For A Few Hours Easy Work  
Every piece pure white, high grade china, blue edge and gold initialed. One of the richest looking, most stylish Dinner Sets on the market. Absolutely up-to-the-minute and of undisputed quality. Guaranteed not to crack. Will add beauty to any table. Get this set. Merely give away FREE 12 Beautiful Art Pictures 14x20 inches (sold for \$1.00 each in many stores) with 12 cans of White Cloverine Salve, which you sell at 25c each. Millions using it for cuts, eczema, catarrh, colds, piles, burns, etc. Send us the \$3.00 collected and the set is yours. We've been making these offers for 30 years. The Wilson plan is the easiest and absolutely square. No money required. Simply send name and address. Pictures and Salve sent promptly prepaid.  
**WILSON CHEMICAL CO. Dept. 935, TYRONE, PA.**



## Lighting a Farm House

### COLORADO AGRICULTURAL COLLEGE

Every home needs good light. The light giving good service with minimum cost, safety and efficiency is earnestly sought. Many makes of lighting equipment, varying from the kerosene oil lamp, kerosene oil vapor, acetylene, to the individual electric lighting and power plant, are upon the market and are giving excellent satisfaction.

It is difficult to give exact cost of installation of any one of these systems. Only an approximation can be given in this article, and the term "installation" includes the bare plant without connections or fixtures, except where the lamp itself is a complete unit. We shall use as our basis a seven-room, modern home with basement, the whole to be well lighted.

#### What \$5 to \$10 Will Do FEB 17

For this sum one or more very efficient oil or gasoline lamps may be purchased. A single lamp of this kind may be had for \$3 that consumes one quart of oil in about 16 hours. This lamp is the bracket type, may be easily carried from room to room and used where desired. A double hanging lamp of the same grade can be had for about \$6 and consumes one and one-half quarts of oil in about 12 hours. By combining these two, a very good, inexpensive system may be had.

#### What \$25 Will Do.

It is desirable to have a lamp for every room. Many lighting systems using gasoline are in common use. These are constructed with a reservoir for the gasoline placed at a convenient yet safe distance from the burner, the gas being produced by passing the gasoline thru a small tube over or around the heated burner, the gas burning inside of a mantle thus producing a white light. Some of these must be "generated," others are self-generating and lighted by simply applying a match.

A 100-candle-power burner of this kind consumes about one quart of gasoline in 15 hours, making the cost of operation about two-fifths of a cent an hour. All rooms, the bath and basement, may be supplied with suitable sized units at a cost not to exceed \$25.

#### What \$50 Will Do.

In place of individual units the system may be operated from a central low pressure supply tank in the basement or outside the building. The equipment needed:

One 10-gallon tank with pump, gauge and fittings, about .....	\$25
Gas pipe for connections .....	10
Eight lamps (fixtures) .....	15
	\$50

#### What \$150 Will Do.

For \$150 an acetylene generator having a capacity of 50 lights of 25 candle power each can be installed.

## Hog Lice Cause Losses

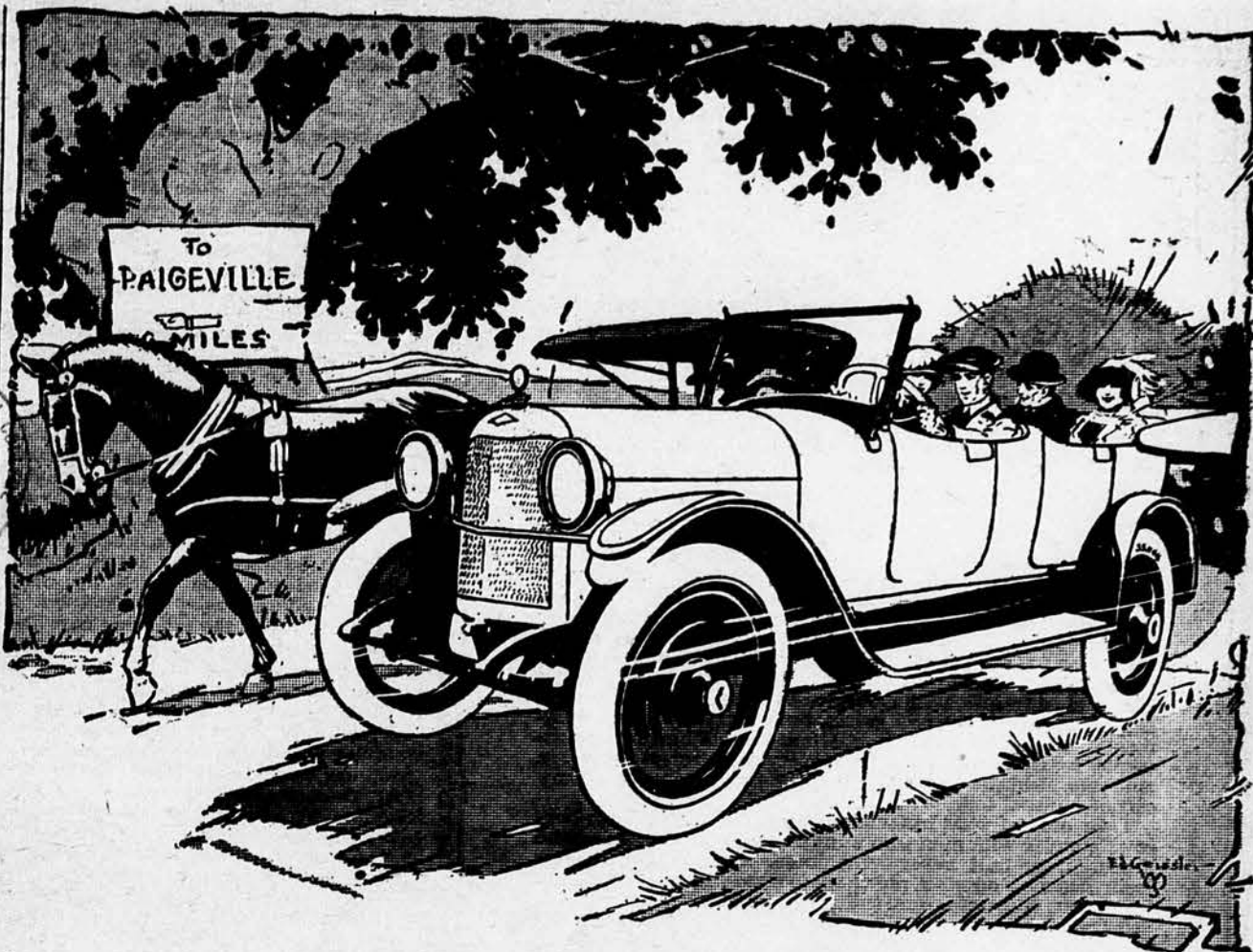
The high priced-feed you give a lousy hog is largely wasted, because these tormentors will keep any hog from getting the good out of its feed and making profitable gains. Besides, it is said that lice-worried hogs are at least 50 per cent less able to resist infection from the germs of cholera and other scourges which sweep the country periodically.

No hog raiser can afford to feed lice and it will be money well invested to get some medicated or crude oil at their first appearance and go after these torturing pests in earnest. If you have a dozen or more hogs you will save time and get more satisfactory results with a hog oiler, a number of which are now on the market. These permit the hog to rub the oil right into the itchy, lousy parts in the natural way without trouble to you.

One hog oiler will keep 20 to 30 hogs free from lice and prove an investment that will bring back big returns in increased profits and saving of feed.

## To Talk of Livestock

The Southeastern Kansas Live Stock association will meet February 20 and 21 at Fredonia. Arrangements have been made for a large livestock exhibit; the animals will be used for judging purposes and also to show what is being done by the farmers of that section in producing livestock of a high quality. The meeting will be of interest to every farmer in that section. A copy of the program can be obtained from C. G. Elling of Parsons, the district demonstration agent.



# PAIGE

*The Most Beautiful Car in America*

**P**AIGE cars are made in two sizes. There is a seven-passenger, 51-horsepower model which sells for \$1495. There is also a five-passenger, 39-horsepower model which sells for \$1175.

The "Stratford" model is, of course, considerably larger than the "Linwood." It is well worth the difference in price. But we want to point out at this time that both cars are Paiges—blood brothers of the same strain.

So far as a choice between these two motor cars is concerned, it is simply a matter of your individual requirements. If you can advantageously use a large, sumptuous, seven-passenger automobile, by all means invest your money in a Paige "Stratford-51."

On the other hand, if a five-passenger model is ample for your purposes, then, decide on the "Linwood-39."

It is merely a choice between a one karat or a two karat diamond. Both cars are clean cut, flawless gems. In their respective price fields, these two cars represent the utmost that you can secure in automobile value.

We are putting the matter before you in this frank way because we want to be genuinely helpful. We also want to emphasize—just as clearly as we possibly can—that Paige builds only good cars—quality cars.

But—above all—make it a point to see the Paige line before you buy any car.

As a business man, you can't afford to overlook the two greatest dollar-for-dollar values in the entire automobile field. This is a broad, sweeping statement, but you can establish the facts to your entire satisfaction.

Will you make it a special point to see "The Most Beautiful Car in America?"

Stratford "Six-51" 7-passenger	-	\$1495 f. o. b. Detroit
Linwood "Six-39" 5-passenger	-	\$1175 f. o. b. Detroit

**PAIGE-DETROIT MOTOR CAR COMPANY**  
211 McKinstry Avenue, Detroit







## Farmers' Convention Ends

As a parting shot at the legislature the Farmers' Educational and Co-operative union went on record Friday, last week, just before adjourning as being strictly against the bill then pending providing for the transfer of \$50,000 from the grain inspection fund to the general revenue fund. The opposition was based on the argument that by allowing the surplus money obtained from the grain inspection fee to be used for any other purpose than paying the expenses of inspecting grain would class it as a special tax.

The officers of the union in 1916 were re-elected without opposition. They are: Maurice McAuliffe, Salina, president; E. E. Woodman, Centralia, vice president; E. B. Roadhouse, Osborne, secretary; Willis D. Beller, Russell treasurer; J. A. Scheel, Emporia, conductor; W. R. Olson, Salina, doorkeeper; W. B. Shields, Lost Springs, chaplain.

Delegates to the national convention are: John Tromble, Beloit; W. C. Landon, Salina; Fred Fraley, Graham; M. McAuliffe, Salina, and E. E. Woodman, Centralia.

The executive committee remains the same as last year. The members are: C. A. Brasted, Logan; H. D. Collins, Erie, and Dan Thurston, Delphos.

These resolutions were adopted:

### National Matters.

We heartily indorse the resolutions as adopted by our last national convention at Palatka, Fla., which demands:

The initiative, referendum and recall for both state and nation.

Public ownership of all public utilities, including railroads and water powers.

A national money system, providing that all money shall be issued direct by the government, a full legal tender and paid into circulation, not lent into circulation, to meet the public expenses of the government, states and counties.

The election of all United States judges for a term of years instead of their appointment for life.

A graduated land and property tax.

We are opposed to compulsory military training in our public schools, state or national.

We urge upon our president, our congress and all government officials to take every precaution to prevent all actions by themselves or any American citizen that will increase the danger of forcing us into war with any nation.

This convention goes on record as standing for national prohibition.

### State Matters.

We are proud of the vast volume of business done by our co-operative association and we urge further extension of the good work.

We are emphatically opposed to the repeal of the primary nomination law. We believe the present form of ballot in this state is the best we ever had and should be retained without change.

We condemn the action of the house of representatives in defeating the co-operative banking bill, and we demand of the legislature the enactment of a law making it possible to establish co-operative banks under safe financial provisions without official obstructions or hindrances.

We favor the publication of all school books by the state. We are opposed to any change of the law that will make the selection of school superintendents appointive instead of elective.

We are opposed to any law shortening the time of redemption of property sold under mortgage.

We demand a law that will make it the duty of the utilities commission to compel the railroad companies to furnish grain cars in sufficient number to keep all elevators in the state in operation during the movement of grain.

We demand that the law providing for the employment of county farm advisers be so changed as to require a petition to the county commissioners signed by not less than 50 per cent of the actual farmers of the county before the commissioners shall have power to pay out any money for the employment of such advisers.

We believe the Torrens system of transferring land titles is much better, safer and cheaper than our present system and we urge upon our law makers and citizens generally a thorough study and full investigation of this system.

We recommend that a committee of three be appointed by the president of this body to consider the advisability of the state union taking over the business of the Farmers' Union Mutual Insurance company, of Stockton, and report to the president not less than 60 days prior to our next annual meeting.

We favor amending our state constitution so as to empower the state, counties and municipalities to engage in any business upon a vote of the majority of the people.

That we most heartily indorse the pending bill to amend the law so as to require county commissioners to let the contract for all public printing and supplies for their counties to the lowest responsible bidder.

(Signed) E. R. RIDGELY,  
FRANK SLATER,  
FRED J. FRALEY,  
WILLIAM G. SWANSON,  
C. S. WOODROFF,  
J. F. HOLMES,  
W. P. HARRINGTON.

Fair List Prices

Fair Treatment

# Bring Back Any GOODRICH BLACK SAFETY TREAD TIRES That Owe You —Anything—

FROM Maine to California, and on around the world, The B. F. Goodrich Company sends forth this all-including invitation:

Bring back any Goodrich tires you feel have failed to give you right service.

Goodrich will at once make good all their shortcomings—generously and gladly.

There are no strings to this offer—no conditions—no catch words.

## THE GOODRICH SUPER-GUARANTEE

For a Goodrich Black Safety Tread Tire carries with it in the market an unwritten SUPER-GUARANTEE that it is the best fabric tire, the largest, oldest, and most resourceful rubber manufacturer can produce.

The very name of Goodrich pledges it to the best service a fabric tire can give—style, safety, comfort, durability, freedom from tire trouble, and mileage.

The buyer takes no risk of imperfection in it. A Goodrich tire must deliver the high standard of service Goodrich pledges for it, or Goodrich Fair Treatment squares the account in full.

Where You See This Sign  
Goodrich Tires are Stocked



Ask Your Dealer for Them

The B. F. Goodrich Co.  
Akron, Ohio

Also maker of the tires on which Dario Resta won the official 1916 National Automobile Racing Championship—Silvertown Cord Tires.

### FAIR-LIST PRICES

The standard of prices for standard tires. Pay no more.

30 x 3	\$11.35	33 x 4	23.70
30 x 3 1/2	14.70	34 x 4	24.60
31 x 3 1/2	15.35	34 x 4 1/2	31.20
32 x 3 1/2	17.70	35 x 4 1/2	32.55
32 x 4	23.05	37 x 5	43.10

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**LEARN TIRE REPAIRING**  
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**Southwest Tire Repair School**  
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**INDIAN RUNNER DUCK CULTURE**  
Finest illustrated duck book published. Tells how to hatch and care for greatest egg producing fowl on earth. How to get a start. Quotes low prices on stock and eggs of finest strains. Sent for 5 cents postage. Berry's Farm, Box 153, Clarinda, Iowa

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and see the largest exhibit of Power Farm Machinery that will be exhibited in the Southwest at any one time or place this year at big

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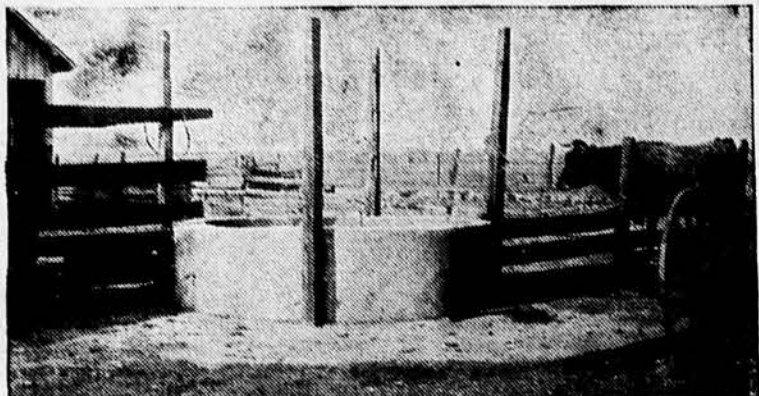
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Forum (Convention Hall)





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## Answers to Farm Questions

(Continued from Page 10.)

lamps shipped in this way often are surprising, as it is on these classes of stock that the local buyers ordinarily make their largest profits, 100 per cent being not uncommon.

The economy in time and labor spent in collecting and delivering stock for shipment is an important feature of the shipping association. Usually there are several buyers operating in a community, driving about from farm to farm dickering with the farmers for their stock. Wherever the farmers have organized shipping associations the business of local buyers has been reduced and in some cases entirely displaced. One association manager often is enabled to ship the stock from the same territory formerly covered by several local shippers. It is reported from one county in Minnesota in which shipping associations have been organized that seven association managers now are shipping the stock previously purchased by 24 local stock buyers. A similar condition exists in numerous other localities.

Thru these associations a farmer usually can market his stock when it is ready and does not have to wait until a local shipper is ready to buy it. Further, he is reimbursed for animals killed or injured in transit, whether he consigns one head or a carload of stock. This is made possible by a fund set aside for that purpose. Another advantage of importance is the consideration received at the central market, due to the volume of business handled thru the association.

### A Larger Acreage of Cowpeas.

Do you consider cowpeas a profitable crop for Kansas? Would a larger acreage pay? Douglas Co. M. A. Y.

Cowpeas is perhaps the most important annual leguminous crop for this state. It is especially valuable as a catch crop to grow after some other crop has failed, or after the spring grain crops. There ought to be more than 1 million acres of this crop grown in Kansas; the acreage in most communities, however, has been small.

The main thing that has held down the acreage of cowpeas in this state has been the high price of the seed. The way to overcome this is to grow the seed at home. Cowpeas usually produces seed abundantly in Kansas—especially is this true of such standard varieties as the New Era and the Whippoorwill—but they cannot be threshed successfully with an ordinary grain separator, and for that reason many men decline to "fool" with growing the seed. The seed can be threshed quickly with a flail if only a small quantity is to be saved; if a considerable acreage is to be grown a small pea harvester may be purchased cheaply that will do the work in a satisfactory way. F. B. N.

### Alfalfa for Sheep.

What value has alfalfa as summer pasture for sheep? Osage Co. R. S.

When sheep are unaccustomed to feeding on green alfalfa, or when fed on wet alfalfa bloating is likely to result. Animals not accustomed to this kind of feed should never be turned into an alfalfa pasture when it is wet. It is a good plan to permit them to fill up partly on some other feed and then turn them into the alfalfa pasture. By this plan the amount of alfalfa may be increased gradually without bad results. As soon as bloating is observed the animal should be taken away from the alfalfa and given internally a mixture consisting of from 1 to 2 tablespoons of turpentine mixed with a half-pint of raw linseed oil. This should be given as a drench. Pour slowly into the animal's mouth and depress the head at the first indication of strangulation or coughing. During the drenching process the nose should be elevated no higher than the animal's eyes.

### An Opportunity in Seed Growing.

What do you think of the opportunity in producing purebred seed in Kansas? Is it possible to start in a small way and develop a profitable business as one department of the farm work? Barton Co. N. D. R.

There is a fine opportunity in almost every community in Kansas for a few farmers to get into the business of producing good seed. The crop yields could be raised materially if this were done. Better seed is needed, and it is important that this should be adapted to the local conditions.

An especially good opportunity is offered in the growing of wheat for seed. It is true that Kansas is a great wheat state, but its leadership is based on an immense acreage and not on high yields. The yields are really disgracefully low when the good adaptation of the soil in this state to wheat is considered. Well-bred seed will increase these yields without any additional expense after the seed is purchased, for the forces of heredity act without expense.

There is little pure wheat seed in Kansas. Most of it is mixed badly, with a fearful lot of wheat weeds, and several wheat types. Much of it contains a great deal of rye. Scrub seed which has all these mixtures cannot be expected to produce the highest yields, and it doesn't. What we need in Kansas is wheat from pure, high-yielding strains, which have a good milling value.

The production of the seed of drought-resistant crops offers a fine opportunity, as shown by the experience of such men as W. G. Shelly at McPherson and J. K. Freed at Scott City. The increasing appreciation of the value of drought-resistant crops in Western Kansas has created a fine demand for seed, which is not being filled properly. The men who are in the business are doing good work, but there is room for many other farmers to produce the seed of kafir, sorghum, milo, feterita and Sudan grass. The demand for well-bred seed of these crops will increase.

There is considerable trouble which one will encounter just as soon as he takes up the production of these crops, in their determination to cross and get mixed up. This makes it essential that one should continue cutting out the objectionable heads, to make sure they do not get into the commercial seed. This is where much of the constant care and attention comes in the seed production business with drought-resistant plants. F. B. N.

### Early Corn for Wabaunsee.

I have my ground fall plowed 8 inches deep and it was manured last spring. What variety of corn should I plant? Can one get some early variety that will escape late summer drought? Do you advise listing or surface planting in my locality? Wabaunsee Co. V. S.

I would suggest where you are growing corn both for grain and silage that you plant a variety like Commercial white or a well selected strain of Boone county white. These are large growing varieties and over several years will give the best results on good bottom land. There are earlier maturing varieties that in a dry year will outyield Commercial white and Boone county white. Such varieties as the Pride of Saline or Freed's white dent are of this class. These varieties would do well on upland in your vicinity but I do not recommend them for planting on bottom land.

I would advise planting corn with a disk furrow opener attachment to the corn planter on ground that had been fall plowed. Corn planted in that way has outyielded both listed and surface planted corn at this station, and it is in this way that we plant all fall-plowed corn ground. Where corn ground cannot be plowed in the fall I would prefer to disk the ground in the spring or blank list it and list the corn at planting time. K. S. A. C. L. E. CALL.

### Good Corn for Barber.

Among your answers in the Farmers Mail and Breeze, I see you have some seed corn for sale. Now I have a place here on the Medicine River where good corn grows even in dry seasons. The corn which has given the best results is called Blue Ribbon—a white corn mixed with a little blue corn. It is hard and flinty, grows a tough stalk and is hard to husk. As I failed to find a well-bred corn in this neighborhood, I am inclined to believe I could better my yields with the right kind.

If you think the Pride of Saline which you have for sale would be adapted for my conditions, send me 2 bushels of it or if you know of a variety that would prove superior, please inform me where to obtain it. Barber County H. A.

As a rule varieties of corn that have been grown in a community and have become well acclimated outyield any other variety brought in from a distance. Undoubtedly the variety you have been growing is more hardy and better adapted to your conditions than any other variety you could obtain. This would be especially true the first season. The Pride of Saline, however, is a variety that originated in Central Kansas and is particularly hardy. I believe you would find it a good variety for your conditions but it probably would take a season or two for it to become thoroughly acclimated. If you were to secure seed of this variety, I would therefore suggest that you get only a small quantity from which seed might be selected in larger amounts for planting the next season. K. S. A. C. L. E. CALL.

### Changes in Silage Making.

What changes take place in silage making? Brown Co. M. R. E.

In silage making, the chopped corn forage is packed tightly into an airtight silo, with plenty of moisture present, and fermentation begins at once. The first evidences of change are a slight rise in temperature and the evolution of carbonic acid gas. The temperature of the silage rarely exceeds 85 to 90 degrees Fahrenheit, except near the surface, where fermentative processes are greater, owing to the presence of air. Erroneous ideas regarding the importance of the heating in silage fermentation were derived from observations made only on the surface of the silage. The oxygen in the silage is used up early in the process of fermentation or driven out by the carbonic acid gas. From this point the presence of air or oxygen is fatal to the proper preservation of the silage, because air permits the development of molds, which are themselves sometimes poisonous, and which quickly destroy the acids and thus allow the silage to spoil. The importance of air-tight walls and proper packing down of the silage to keep out the air is, therefore, at once apparent.

The next changes noticed during the silage-making process are a change in color, and the development of a more or less pleasant aromatic odor and a sour taste. The color and odor are characteristic of silage and are of considerable value in judging its quality; but the most important change is the formation of acids, which cause the sour taste. The acids formed are chiefly lactic acid, which is the acid found in sour milk, and acetic acid, the acid of vinegar. The total amount of acid formed averages between 1 and



2 per cent of the weight of the silage. This change is important because it indicates that the fermentation is healthful, like the ripening of cream or the formation of vinegar, instead of being a state of unhealthful decay, like the putrefaction or spoiling of meat. In the presence of this acid fermentation it is impossible for the bacteria which cause decay to live and work, unless the presence of air should allow the growth of molds, which in turn destroy the acids, and thus allow the putrefactive bacteria to thrive. This last process is what occurs in the top layer of the silage in the silo, which is spoiled because of the presence of air. The formation of acid is, therefore, one of the most important of the changes which take place in the fermentation of silage.

These various changes take place with the greatest rapidity during the first five days, and are practically complete at the end of 10 or 12 days. I measured the amount of carbonic acid gas produced in several instances, and found that the rate at which this gas was produced was always greatest during the first 24 hours after the corn was put into the silo. The development of heat at the surface of the silage and some of the changes in the sugar are generally most rapid in the first day or two, while the formation of acid is often more rapid somewhat later, or during the second, third and fourth days. After the fermentative changes which have just been described are finished, or after the first two weeks, there is practically no further change in the silage. Silage has been kept for years in a tight silo without losing either its palatability or its value.

The losses which occur during the fermentation process are appreciable, but can be reduced greatly by taking proper precautions, especially by making the silo absolutely tight, including the bottom, and by covering the top with well-packed straw, stover, or other materials. These losses are more than made up for by the increased efficiency of the feed.

Iowa Station. A. R. LAMB.

#### Protection for Plum Trees.

I have several plum trees that bear well, but the fruit usually falls off before it becomes ripe. A rot starts that causes this; what sprays shall I use? J. S. Neosho Co.

I think your fruit has been destroyed by Brown rot fungus. This fungus is carried thru the winter principally in the dried or mummified fruit which remains attached to the tree or is on the ground. The method of control commonly practiced for large orchards is to apply a dormant spray just before the buds begin to swell of lime-sulfur or Bordeaux mixture, 6-6-50, which is followed by summer sprays of self-boiled lime-sulfur applied directly after blooming and again in about six or seven weeks.

The disease develops rapidly during warm damp weather, and fruits grown in clusters are more readily attacked than separate fruits. For this reason the thinning of fruit is often practiced to prevent the spread of the disease. If you have only a few trees the mummified fruit may be shaken down, gathered and burned. This will reduce the principal source of infection, and a single spray six to seven weeks after blooming usually will control a large percentage of infection.

K. S. A. C. FRED MERRILL.

#### Pecan Growing in Kansas.

Has your department any bulletins on nut-culture, more especially on pecans? I should like to get some information on this subject. Are there any commercial pecan orchards in this state? If so, are they old enough to demonstrate whether pecans can be grown profitably in Kansas? J. H. P. Bourbon Co.

I regret to say we have no publications from this station that discuss pecan growing. I have just handed a manuscript to the director of the experiment station, and I am hoping this will be printed in the near future. I have made quite a thoro study of the possibilities of growing pecans in the Southeast fourth of the state, and I am convinced there is a possibility of a commercial industry in this line. Only a few budded trees have been planted, and these within recent years. The trees I have in mind are near Coffeyville and Chetopa. In my study of pecans, I have found native trees that produce nuts as large as some budded varieties, and I also have found some that have shells nearly as thin as the shells of the so-called paper shell varieties of the South. I am hoping that I shall be able to continue my work with pecans until we can develop a Kansas pecan with merits equal to many of the present budded varieties.

I find that cultivation has a marked influence upon the size of the nuts, and I am satisfied that under cultivation some of our native trees will produce nuts of sufficient size to demand a place in the pecan market.

Farmers' Bulletin 700 of the United States Department of Agriculture gives a fine discussion of growing pecans more completely than I can give you in a letter, and you can get a copy from the department. The experiment station of Athens, Ga., has published two circulars in the past two years on pecan growing in Georgia. These are available on request.

If you have native pecans growing, I suggest that you cut the other trees around them, to give the pecan trees more room to develop, and also give them some cultivation, if possible. Native pecans find a ready sale in the nut market.

C. A. SCOTT, State Forester.

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## Shipping Chickens to Market

The Latest Cars are as Comfortable as Pullmans—for Poultry

BY JOSEPH R. NUGENT

THERE is a difference in the live poultry cars of today and those of an earlier day, when a shipper had to be satisfied with a flat, open car, with a few boards nailed upright on the sides to keep the coops from tumbling to the ground and the only covering might be a tarpaulin for wet weather, or green boughs for shade in summer.

But now the latest cars are of steel with an aisle running thru the center of the car from end to end and thru the stateroom in the middle, affording ample room for the caretaker, or car man, as he is called, to get around to every part of his car when feeding and taking care of the poultry.

For ventilation the aisle has barred doors at each end, and at the top, directly under the running board, a grating permits of overhead ventilation besides light. On the outside, the open frame work of steel netting—giving the car the appearance of an immense cage—assists in making a ventilation scheme which virtually keeps the birds in the open, day and night.

The stateroom in the middle of the car is where the car man sleeps and "keeps house" enroute, and in which he carries a chest containing buckets, scoops, hatchet, saw, blankets, overalls, rubber shoes, kitchen utensils, small stove and other articles needed—and a suit case which contains his street clothes for sight seeing in New York or Chicago and for going back home "on the cushions."

### No Time to See Sights.

Few waste any time seeing the sights particularly a "trip" man, who is paid for actual running time going, one 12-hour day at destination—which includes unloading time—and actual time coming back, unless his car has been held over thru no fault of his own, when he is paid for every day held.

The 128 coops or decks are eight tiers high with 16 of these built higher than the others to accommodate large birds like turkeys and geese, of which there are usually a few in every car, except at holiday seasons like Christmas and Thanksgiving.

These decks have slatted drop doors opening on the aisle and have galvanized iron feed and water troughs, on both sides, that slide in and out, like a drawer in a desk.

Every deck will hold 30 hens comfortably in mild weather. Figuring the hens to weigh around 4½ pounds apiece, and as the minimum weight allowed by the railroads is 18,000 pounds east of the Mississippi River and 20,000 pounds west of it, 4,000 birds would make an average carload. But 1,500 turkeys or 2,000 geese could make tonnage, with springs in the early season requiring from 5,000 to 6,000 head to fill an 18,000-pound car.

In winter 20,000, and often 22,000 pounds are carried, not only because of the saving of excess freight charges, but the heat from so many live bodies assists in keeping out the cold, and, as the weather grows warmer, the weight and number of head are lessened gradually until in very hot weather, 15,000 pounds is considered none too light. At the same time, the light, hot-weather loads cost more a pound to ship, on account of being obliged to pay for 18,000 or 20,000 pounds even if carrying less.

Under the stateroom floor—reached by a trap door—a granary, or "possum belly," as it is popularly termed, is used for holding extra feed for long trips to the Pacific coast, or in the expectation of being held at destination longer than usual. Enough feed to cover a 1,200-mile trip can be stacked in the stateroom. It crowds the room, somewhat, but it is less labor to handle the 100-pound sacks from there than from the granary below.

Over the stateroom a water tank holding 327 gallons is equipped with an attachment for a hose to reach all coops in the car.

### Dead Poultry Thrown Out Daily.

Dead poultry is thrown out as fast as located, and if any sick birds are found they are separated from the healthy ones and placed in a coop known as the "hospital," if the sickness is of a wild nature; otherwise, they are killed and thrown out.

In severe winter weather for protec-

tion from blizzards the carman covers one side of his car with a single thickness of muslin, or cheese cloth. This keeps out rain or snow and admits plenty of air, which is absolutely necessary at all times.

The tariff or rental of these cars is based on a sliding scale. The more miles run, or longer haul, the cheaper the rate a mile. For instance: 150 miles, inclusive, costs \$10; 600 miles, \$28.50; 1,000 miles, \$40.50, and 1,700, \$51, or 3c a mile up to 2,000 miles, and 1c a mile for every additional mile over 2,000.

Since this article was written some changes have been made in the tariffs.

With the finest vehicle in live poultry car construction furnished them, providing for ventilation, comfort and safety, it is up to the car man to deliver his birds in good condition and have them weigh more—or not much less—than when he received them. But, outside of holding his job, he has another incentive—a financial one—in trying to make the birds weigh more, in that he is paid extra for "gains," and he stays with his car from start to finish—the round trip usually consuming eight days from points 200 miles west of Chicago or St. Louis—in order to obtain this result, if possible.

This gain system has reduced the game of live poultry feeding in car-lots to a science; so much so that, if a man cannot go thru with a "gain," or at least "hold out" he must, to retain his position, put up a "hard-luck" story that is convincing.

It is an uphill business for a shipper to figure his buying prices with any degree of accuracy, unless he has a fair line on what his car man can do, given fair luck, as regards getting thru with a light death loss and feeding to weigh to the shipper's advantage at the unloading end.

The luck element does play an important part, too. Sometimes, particularly in the late fall, undesirable chickens will get past the men despite every precaution. For instance, a light case of roup is hard to detect in its early stages, unless a bird is examined closely, which

(Continued on Page 31.)

### HOME MADE BROODERS.

Here is a Brooder that will put back into use a million incubators, and right now is the time for you to write the RAISALL REMEDY COMPANY, BLACKWELL, OKLAHOMA, and get their plans for building the best Home Made Brooder in the world from an ordinary box or change any old Brooder that you might have, so that you can use the warm medicated dirt floor and Feather Hover. Unless you keep Baby Chicks' feet warm you will never raise them. The floor of a Brooder must be Bone Dry and Warm, at all times and you must have a good Hover. Chicks will never crowd nor pile up on a warm floor, neither will a warm floor cause leg weakness, which is due to cold, hard floors and not enough exercise.

You should certainly write the RAISALL REMEDY COMPANY and get their plans for building their Brooders or remodeling your old ones, in this way you can use the warm medicated dirt floor and Feather Hover. They are equipped with the famous Hydro Heater Lamp which is the one safe Brooder Lamp, they will run a week at one filling. The outfit sent parcel post prepaid with full directions for changing any old Brooder or Building one of these from an ordinary box, \$5.00; two for \$8.00.

They are made by Mr. Tredway, who has spent his entire life in the business and the principle is certainly right. If you have any trouble with your Baby Chicks you should certainly try this out. Hovers are all same size 20 by 30 inches. Medicated dirt floor makes Brooder absolutely Immune from mites and lice. Send for one or two of these outfits today, or write the RAISALL REMEDY COMPANY, for their circulars.

With Hovers and Lamps they send you free a package of Remedy to prevent chicks from dying in the shell at hatching time. Price of Remedy alone \$1.50, will hatch 500 chicks. With your order mention this paper and date. Don't put it off, write today.—Advertisement.

## \$49.50 and up

### Kirstin Stump Puller

This KIRSTIN Horse Power Puller, used by the KIRSTIN METHOD, is the cheapest and fastest way known for clearing land ready for the plow. We will guarantee you a saving of 10% to 50% over any other method. Over 40,000 in use. All steel construction combines great strength and light weight. Clears two acres from one anchor. Easily moved. Can be used with single, double, and triple power as needed. Will pull any size stump. Guaranteed fifteen years, flaw or no flaw.

Automatic take-up for making quick hitchers. Foot for foot of cable, KIRSTIN covers more ground than any other machine. Easy on horses and man. Ten-day trial in your stump field.

Now—today—quick—write for our special Profit Sharing Plan to early buyers and our big Free Book—"The Gold in Your Stump Land."

A. J. KIRSTIN COMPANY  
6940 Ludington St. Escanaba, Mich.  
Largest makers in the world of Stump Pullers—both One Man and Horse Power.

## WANTED MEN

### \$75. to \$200 a month!

The demand for capable automobile men exceeds the supply. Our graduates are always in demand to fill good positions as Salesmen, Demonstrators, Factory Testers, Garage Managers, Repair Men, Ignition Experts and Drivers.

### \$50 COURSE FREE

Six weeks from the day you enter this great school you will be able to repair any make of automobile drive any car on the market. All who enroll now receive \$50 course in Lighting and Tractor Engineering Free. Write today for our big Free Book and the \$50.00 Free Scholarship Certificate.

**AUTOMOBILE TRAINING SCHOOL**  
Largest Auto School in the World  
1088 Locust St. Kansas City, Mo.

## PRESCOTT'S MITE-LESS HENS' NESTS

Write at once for our Special Offer. Can be used as laying setting or trap nests. Complete with no extra backs to buy. KANSAS CITY SANITARY CO., Sales Agents, 523 Southwest Blvd., Room 50 Kansas City, Missouri.

**RESULTS**

FROM A CHICK HATCHABLE EGG. STRONG, HEALTHY, ROBUST CHICKS THAT LIVE. MAKES POULTRY BUSINESS PAY. MATCHES NEAREST OF ALL THE NATURAL PROCESS OF THE SETTING HEN.

**THE SECRET OF PROGRESSIVE BIG HATCHING RECORDS**

BUILT OF GENUINE CALIFORNIA REDWOOD. Egg chambers surrounded with special insulator having hundreds of air cells, guard against temperature change. Corrugated copper hot water heater, automatic ventilation and regulation. No dry, hot nests to kill chicks in shell. Machines complete. Money back guarantee if not satisfied. Big Free Book explains all special details.

**Progressive Incubator Co.**  
Box 238 Racine, Wis.

**155 EGG**  
Ready to Use

**\$985 FOR BOTH**

## Real Incubators

The sensation of the incubator business! A 120-egg hatcher—built of best California redwood—angle steel legs. Possesses newest features—the new patents that have helped achieve the greatest hatching records: improved heat radiator—centralized heating plant directly underneath—automatic flame-reducing regulator—greatest oil-saving device (10c worth of oil makes a hatch)—best type of thermostat—in fact, all the modern devices that assure bigger hatches, better chicks, less work, least expense.

**O. K. Hatcher**  
Absolutely guaranteed in every way. Thousands in use—and everyone giving greatest satisfaction. Incubator and Brooder both for \$15. Write for Free Circular. Learn how this offer is possible—why such big value is now being given for \$10! Write Tonight. O. K. Hatcher Co., Dept. 7, San Mateo, N.Y.



# The Incubator That Will Smash All Hatching Records for 1917

Get the book that is pictured below—and learn the reasons—the five big reasons why the 1917 X-Ray Incubator is sure to smash all hatching records! It's a handsome book—packed from cover to cover with facts—facts that will help every poultry raiser to add to his income—to add to his knowledge of real incubator values—to know positively what to expect and demand of the incubator he buys this year.

## The 1917 X-Ray Incubator

One Gallon of Oil One Filling to the Hatch

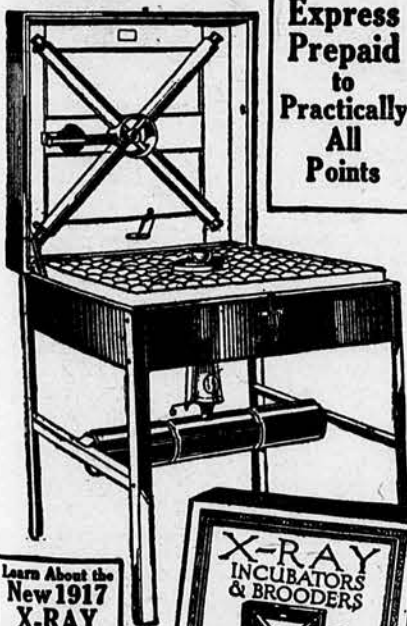
Post yourself on the five New 1917 X-Ray Features—improvements unknown in any other incubator: X-Ray Gas Arrestor, New ingenious device that prevents lamp fumes entering egg chamber; X-Ray Nursery Tray, New feature that assures sanitation, protects little chicks; X-Ray Egg Tester, New and most perfect tray. All exclusive 1917 X-Ray features that assure record-breaking hatches—at least cost of time, money, labor.

Completely hatched on one gallon of oil—one filling. Fill the tank, light the lamp and you are through. Duplex Central Heating Plant directly underneath, furnishes natural, moist, Mother Hen Heat. X-Ray Automatic Trip regulates the flame—no cold corners—no overheated sides.

Post yourself before you buy any incubator. Write for the 1917 X-Ray book. Use the coupon—or send us your name on a post card.

X-Ray Incubator Company Box 47 Des Moines, Ia.

Express Prepaid to Practically All Points



Learn About the New 1917 X-Ray Brooders Too!

Write Today For This FREE BOOK

X-Ray Incubator Co., Box 47, Des Moines, Ia. Send me at once—your New 1917 Catalog—FREE.

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St. or R.R. \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_

**Poultry Book** Latest and best yet! 144 pages, 216 beautiful pictures, hatching, rearing, feeding and disease information. Describes busy Poultry Farm handling 68 pure-bred varieties. Tells how to choose fowls, eggs, incubators, brooders. This book worth dollars mailed for 10 cents. Berry's Poultry Farm, Box 37, Clarinda, Iowa

**Smallest Bible on Earth** This Bible is about the size of a postage stamp and is sold to bring good luck to the owner. Sent free if you send 10c for three months' subscription to our big magazine, HOUSEHOLD, Dept. B 2, Topeka, Kan.

## Shipping Chickens to Market

(Continued from Page 30.)

cannot be done when a limited time is allowed for loading. If these cases become serious on the road the birds get droopy and will not feed well. Then, again, a car might be "shopped" for repairs; or continued wet weather throw the birds off their feed. All this militates against the car man in trying to get good results.

Shippers employ car men either on a weekly salary basis with traveling expenses allowed, or on a "trip" basis with cash premiums for gains. This latter system is the one most employed at present. It provides for a payment of \$5 a day for an eight-day trip, or \$40 and railroad fare for the return trip—about \$20, or \$60 in all, with the car man paying his own expenses.

His food is the chief item of expense outside of his fare back; but if he is of an economical turn of mind, and does not care much for the railroad station food at division points, he can cook his own food like ham or bacon, and maybe a broiler, besides the fresh eggs the hens lay during the trip.

### They Used to Feed Sand.

It used to be a not too arduous task to get a gain a few months back, before the practice of feeding sand just a few hours before unloading was stopped. Now, they are supposed to put on their last feed the afternoon before unloading, which is usually done while rolling, if they get a wire from the commission man to "feed to unload upon arrival." If no wire is received they go in on a light feed, and wait in New York or Jersey until they are notified by the commission man when he will be ready to unload them. He notifies them far enough ahead to give them time to give the birds sufficient feed.

Feeding pepper or sand may have been in vogue years ago; but it is not being done now; and if sand is ever used at all it would be for "grit" and strewn lightly on the deck floors, enroute.

It is possible now to get gains when feeding the day before, if no bad luck is encountered on the road; but it takes a man who knows his business and one who has had some experience in taking care of live poultry, and it is seldom a person is trusted to take a car thru costing around \$3,000, who has not had this experience.

Educating a new man is a costly experience for a shipper, on account of the heavy shrinkages which a new man is seldom able to avoid on his first few trips, and when a "star" car man has been developed the shipper takes care of him during the slack season, using him as a handy man around the house, as the average car man is usually an expert dresser and egg candler.

So, while that busy little advertiser, Lady Eglantine with her owner, is supposed to have been traveling around the country in a special car, with attendants, don't put the story down as altogether preposterous because the foregoing article shows that she hasn't "got so very much on" the average "market" hen, when it comes to special cars and attendants, and the "Lady," unlike her "market sister," does not experience the pleasure of having lots of company of her own kind, when traveling to New York, Chicago or San Francisco.

## Kansas Folks

BY MARCO MORROW

I love the state of Kansas with its fields of wheat and corn; I love the Kansas sunset and the Kansas dewy morn'; and speaking metaphoric I grow fat on Kansas crops and never mind the absence of the yield of rye and hops; I love the Kansas porker and the Kansas topnotch steer; I love the Kansas zephyrs and the Kansas atmosphere; I love the Kansas sermons and I love the Kansas jokes, but the thing I love in Kansas most is the Kansas kind of folks.

Sweet clover is winning both as a pasture and hay crop. It is especially valuable on poor soils. It has produced excellent results for E. J. Guilbert of Wallace, and in Allen county, where the large acreage has been encouraged by W. A. Watkins of Iola, the county agent.

To utilize all of the food product of the farm to the best advantage requires a variety of stock.



## Anyone Can Use Atlas Farm Powder

No experience or skill is required, because Atlas Farm Powder is made especially for you. You can do your own blasting without trouble or risk by following a few simple instructions that even children can understand. Many women farmers use

### Atlas Farm Powder THE SAFEST EXPLOSIVE The Original Farm Powder

Improve the fertility of your soil, get out stumps and shatter boulders quickly, safely and cheaply with Atlas. Blast beds for tree-planting, dig ditches and do other kinds of farm work in the most economical, up-to-date way.

Atlas Farm Powder costs little compared with the cost of labor that it replaces. You can buy it from a dealer near you. If you don't know him, ask us. We will also tell you exactly what you need for any kind of work.

### Get Our Free Book—"Better Farming"

It tells you how to save labor on your farm by using The Safest Explosive for stump blasting, ditch digging, tree-planting, subsoiling, etc. Fill out the coupon now and mail it today.

ATLAS POWDER COMPANY General Office: Wilmington, Del.

Sales Offices: Birmingham, Boston, Houghton, Joplin, Kansas City, Knoxville, New Orleans, New York, Philadelphia, Pittsburgh, St. Louis

**ATLAS BOOK COUPON**

ATLAS POWDER CO. Wilmington, Del.

Send me your 74-page book "Better Farming." I am interested in the use of explosives for the purpose before which I mark X.

☐ Stump Blasting  
☐ Boulder Blasting  
☐ Subsoil Blasting  
☐ Tree Planting  
☐ Ditch Digging  
☐ Road Building

Name \_\_\_\_\_  
Address \_\_\_\_\_

## Ironclad Wins in the Two BIGGEST HATCHING Contests Ever Held

Why take chances with untried machines when for only \$11 we guarantee to deliver safely, all freight charges paid (East of Rockies), BOTH of these big prize winning machines fully equipped, set up ready for use?



**150 EGG** ironclads are not covered with cheap, thin metal and painted like some do, to cover up poor quality of material. Ironclads are shipped in the natural color—you can see exactly what you are getting. Don't class this galvanized iron covered, dependable hatcher with cheaply constructed machines—and don't buy any incubator until you know what it is made of. Note these Ironclad specifications: Genuine California Redwood, triple walls, asbestos lining, galvanized iron covering, galvanized iron legs, large egg tray, extra deep chick nursery—hot water top heat, copper tanks and boilers, self regulator, Tyco's Thermometer, glass in door, set up complete ready for use and many other special advantages fully explained in Free Catalog. Write TODAY or order direct from this advertisement.

Why not own an IRONCLAD—the incubator that has for two years in succession won the greatest hatching contest ever held? In the last contest conducted by Missouri Valley Farmer and Nebraska Farm Journal, 2,000 Machines were entered including practically every make, style and price. With the Ironclad—the same machine we offer with Brooder freight, paid for only \$11, Mrs. C. F. Merrick, Lockney, Texas, hatched 148 chicks from 148 eggs in the last contest.

**30 Days Free Trial** Money Back if not Satisfied

Both for **\$11** Freight Paid East of Rockies

MADE OF CALIFORNIA REDWOOD **150 Chick Brooder**

IRONCLAD INCUBATOR COMPANY, Box 107, Racine, Wis.

## Automobile Collapsible Water Bucket

For Water For Gas

### A Real Automobile Necessity

Any automobile owner will be glad to get one of these collapsible water buckets. A really useful piece of equipment and so novel that it has caused a great deal of comment. It takes little space but has large capacity.



**NO FUNNEL NEEDED** In case the radiator goes dry when in the country, this collapsible bucket provides a means of filling it without borrowing a bucket, hunting a tin can or using a hat. When a tin can or hat is used, it is out of the way and always handy. You can pour as small a stream as desired with no stopping.

**How to Obtain This Collapsible Water Bucket Free** We will send one of these collapsible water buckets free and post paid to anyone who sends us 50 cents to pay for a yearly subscription to **Capper's Weekly** or given free for a three years' subscription at \$1.00. Satisfaction guaranteed. Address,

**CAPPER'S WEEKLY, Dept. C. B. 4, Topeka, Kansas**

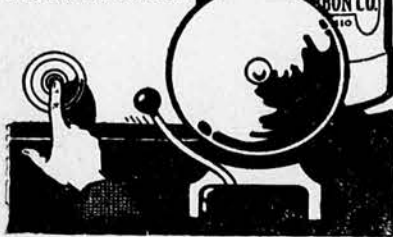
When writing to advertisers please mention Farmers Mail and Breeze.



## Columbia Batteries

Zing! goes the bell. You can depend on its ringing if you can depend on the battery that rings it. Columbia is the dependable battery.

National Carbon Co.  
Cleveland, Ohio  
Tahnestock spring-clip binding posts, no extra charge.



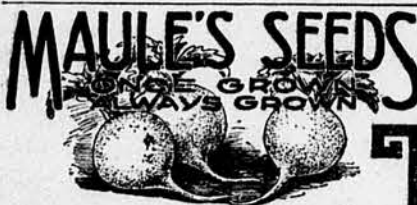
## O'Neil and Flying Swede

Cultivators, gang and sulky plows, stalk cutters, TERROR ridge busters, Grain elevators horse powers, Mast hay stackers, Manure Spreaders. Will prove the best by actual test.

We will furnish repairs for the KINGMAN Model gang Sulky plows and stock cutters.

Write for catalog.

O'Neil Implement Mfg. Co.  
Marseilles, Illinois



**20 DAYS FROM SEED TO TABLE**  
—that is the record of Maule's "Just So" Radish—crisp, tender and sweet. Send 10c. today for enough "Just So" Radish Seed to make a big planting.

Maule's seeds are your best insurance against a poor garden, because Maule's seeds are tested for vigor and growing power.

**The Maule Seed Book**  
Send now for this 176 page catalog full of gardening information **Free**

Buying direct from us means both economy and fresh seeds.

WM. HENRY MAULE, Inc.  
2147 Arch Street Philadelphia, Pa.

## SWEET CLOVER

**BIGGEST MONEY-MAKER KNOWN—INVESTIGATE**  
The greatest forage plant that grows. Superior to all as a fertilizer. Equal to alfalfa for hay. Excels for pasture. Builds up worn-out soil quickly and produces immense crops, worth from \$50 to \$125 per acre. Easy to start, grows everywhere, on all soils. Don't delay writing for our Big 100-page free catalog and circular giving full particulars. We can save you money on best tested, guaranteed, scarified seed. Sample Free. Write today.  
A. A. BERRY SEED CO., BOX 935, CLARINDA, IOWA

## I Buy Sweet Clover

White bloom. Send samples and very lowest price. Address, BOX 375, EMPORIA, KAN.

## SEED CORN

3 leading varieties, Pure Kherson Oats, Clover Seed.  
PLAINVIEW HOG AND SEED FARM  
Frank J. Rist, Humboldt, Neb., Box D

**FREE** A pair of Mated Everbearing Strawberry plants, large pkt. of new Cornal Fescue, Sudan Grass and Silk Leaf Poppy seed, all free for you please. We offer genuine Progressive Everbearing plants at 50c per doz.; 90c for 20; \$1.75 for 100; \$5.00 for 225, all postpaid. CATALOG FREE.  
The Gardener Nursery Co., Box 410, Osgo, Iowa

When writing to advertisers be sure to mention Farmers Mail and Breeze

## Wheat Growers Wish for Rain

Many of our county reporters mention the need of moisture in the wheat fields. Probably most of the wheat still is in good condition, and early spring rains will bring it out wonderfully. A covering of snow during the recent cold weather would have been a help. Cattle are doing well, and prices are as high as ever.

**Rooks County**—It still is dry and windy. Some are shipping in feed. Hogs are high. Corn \$1.10; wheat \$1.50; oats 70c; eggs 32c; butter 25c; butterfat 33c.—C. O. Thomas, Feb. 9.

**Kearny County**—We have had fine weather the last few days but no moisture. The ground is dry. Stock is doing well but feed is getting scarce and high in price. Hay \$12 to \$15; eggs 30c; butterfat 34c; old hens 12c.—A. M. Long, Feb. 10.

**Cherokee County**—We are having nice weather. We have had some very cold weather. Wheat looks very bad. Stock water is scarce. Many farmers haul water for their stock. Stock is doing well and brings good prices.—A. E. Moreland, Feb. 10.

**Washington County**—Weather is nice at present. There are lots of sales and everything sells well. Wheat needs moisture, and the strong winds may have blown some of it out. Many hogs have been shipped. Cream 32c; eggs 32c to 33c.—Mrs. Birdsley, Feb. 10.

**Geary County**—We had a 2-inch snow February 8, which was fine for the wheat as it needed it badly. Most of the wheat looks fair. Stock is doing well. Cattle sell well at sales. Hogs \$11; wheat \$1.70; oats 58c; corn 90c; eggs 31c; butter 30c.—O. R. Strauss, Feb. 10.

**Dickinson County**—It is nice again after the cold spell of last week. Very little snow has fallen so far. Wheat fields are getting dry and the crop does not look very promising. Cisterns are getting low. There is plenty of feed and stock is doing well.—F. M. Thorson, Feb. 10.

**Linn County**—We are having fine winter weather, but it is very dry now. Almost all farmers are hauling water for stock. Wells and springs have failed this winter that have not failed for years. There is plenty of rough feed and stock is wintering well.—A. M. Markley, Feb. 10.

**Leavenworth County**—Wheat is having a hard time with so much cold weather and no snow. Corn is scarce and worth \$1. All stock does well. There are many farm sales and farm stuff sells high. Quite an acreage will be sown to oats. Seed will be 75c a bushel.—Geo. S. Marshall, Feb. 10.

**Graham County**—We have had very nice weather the last several days. There has been no moisture of late and a crop of wheat the coming year will be short. Stock is doing well. Hogs and cattle are scarce. Wheat \$1.65; corn 90c; hogs 11c; butter 30c; eggs 30c.—C. L. Kober, Feb. 10.

**Lincoln County**—We are having fine winter weather, but it is cold at times. There has been no rain or snow yet. Freezing weather and wind hard on wheat fields. Cattle are high, and a great many are changing hands. Wheat \$1.85; corn \$1; oats 66c; eggs 32c; butter 30c.—E. J. G. Wacker, Feb. 10.

**Jewell County**—We are having fine weather now, but have had some high winds, which were hard on wheat fields. The ground is very dry. There are many public sales lately, and everything is selling high. Hogs \$11 to \$11.60; old corn 90c; new corn 87c; eggs 33c; butterfat 32c; butter 25c.—L. S. Behmyer, Feb. 10.

**Ottawa County**—The condition of the growing wheat is very unfavorable at present. We are afraid the extremely cold weather coming without any snow has killed out considerable. Much on sandy soil has been blown out by recent heavy wind and dust storms. Coyote roundups still are being held.—W. S. Wakefield, Feb. 10.

**Brown County**—This is the driest winter we have had for years. It is fine weather for stock. Wheat is badly damaged. Some say it is killed. Stock of all kinds is selling high. Milk cows \$100 and higher; horses from \$140 to \$200; hay \$12 to \$14; corn 93c; wheat \$1.80; eggs 32c; cream 37c; hogs \$11.70.—A. C. Dannenberg, Feb. 10.

**Morton County**—Weather is nice. There has been no snow to amount to anything. It has been below zero several times this winter. Stock is doing well. Land is changing hands. This has been a good winter for real estate agents. Land is increasing in value. Kafir \$1.50 a bushel; milo \$2.25 a hundred; eggs 25c; butter 30c.—E. E. Newlin, Feb. 9.

**Ford County**—We are having fine winter weather, but we need a good rain for the wheat. Farmers are beginning to talk of starting spring work if this brand of weather continues. Feed is scarce and high. Stock is selling well. Some straw is being spread on wheat fields. Wheat \$1.62; corn \$1; oats 75c; butter 30c; eggs 30c.—John Zurbuchen, Feb. 10.

**Neosho County**—Dry weather continues. Many farmers are hauling stock water. Stock is doing well. There is plenty of feed. Can't tell yet whether wheat was damaged by the 10 degrees below zero cold weather. It was that cold only one morning. Chickens, when properly fed, pay for their feed. Roads are in splendid condition. Eggs 30c to 35c.—A. Anderson, Feb. 10.

**Lyon County**—It is a little too dry for wheat. The ground will be in good condition for plowing this spring. Several farmers will sow oats in March, and alfalfa later in the spring. The ground has been plowed and is in good condition. Alfalfa hay is in demand. Corn is being shipped in. Stock is doing well. A little snow falls every week. Alfalfa \$10 to \$14.—E. R. Griffith, Feb. 10.

**Edwards County**—There has been no moisture since our last report. Wheat is not showing up at all and farmers are planning what spring crops to plant if the wheat is dead as it seems to be now. Stock is doing fairly well on little feed except good straw. Alfalfa and other good feed is very high priced. Wheat \$1.65; corn \$1; oats 60c; barley 85c; eggs 33c; butter 35c.—G. A. King, Feb. 10.

**Beno County**—We are having nice weather for this time of year. Some days we get sweeping winds, which are hard on the wheat fields. It is too early to tell what the damage will be. Feed will be scarce and high. Horses and cattle are not doing very well as they are being roughed thru. Grain hauling is at a standstill because

prices are down. Hogs are scarce and high priced.—D. Engelhart, Feb. 10.

**Morris County**—While the wheat got a very small start in the fall it seems to be alive as yet. Two or three light snows and showers during January helped the moisture question. Feed has kept in excellent condition and stock is wintering well. There are fewer sales than usual this year and everything brings good prices, especially machinery. Seed of all kinds will be high and many are purchasing their supply already.—J. R. Henry, Feb. 10.

**Anderson County**—We had some very cold weather the first of the month, which probably killed the budded peaches. We have had but very little moisture this winter. The wheat needs rain or snow to start it off when the weather warms up. There are many sales in the country. There will be the usual moving this spring. Cattle and hogs are bringing big prices. Farm implements and horses sell high. Corn 90c; oats 60c; butter 32c; eggs 36c.—G. W. Kiblinger, Feb. 9.

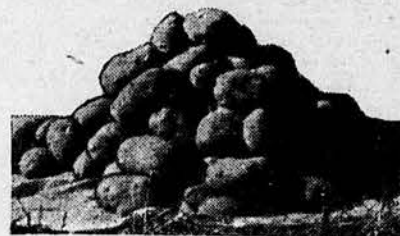
**Johnson County**—The weather continues dry and cold, and there has been lots of zero weather. There has been little snow for a month. Fields are bare to the hard freezes. No work doing except cutting hedge, sawing wood, hauling manure and breaking stalks. Everybody is eager for spring. There are few hogs and no corn to sell. There are numerous sales and prices are good. Bran \$1.80; wheat \$1.30 to \$1.60; corn 90c; potatoes \$2.20 to \$2.40; eggs 35c to 38c; butter 28c to 30c.—L. E. Douglas, Feb. 10.

**Norton County**—About four bushels of wheat an acre is the usual crop following such winters as this. There is a good demand for breeding stock, especially registered cattle and hogs. Our farmer folks also are awake to the fact that a flock of purebred chickens will pay a good dividend on the farm. Western Kansas farmers should order at once some Red cedars for spring planting. Order from C. A. Scott, state forester, Manhattan, Kan. I bought some from him four years ago 12 to 14 inches high. They now average 7 feet high. They cost very little from the state nurseries. Wheat \$1.60; corn 91c.—Sam Teaford, Feb. 10.

## Treat the Seed Potatoes

It pays to treat potato seed in Kansas with formaldehyde or corrosive sublimate for scab, blackleg and scurf. The fact that these diseases sometimes appear on crops grown from treated seed is not an argument against the treatment. Repeated experiments in many parts of the country prove the advisability of treating the seed. It should be done by the grower.

The most satisfactory method of using formalin is to mix 1 pint—or pound—of the commercial 40 per cent solution in 30 gallons of water and soak the potatoes for 2 hours. This is most easily



Good Seed for 1917.

accomplished by partly filling sacks with potatoes and putting them in the barrels containing the mixture. The mixture can be used eight or 10 times. It is not dangerous to handle but it causes an irritation of the eyes and the nose. Always spread the treated seed in a thin layer so it may dry as rapidly as possible. Too long an exposure to the liquid will injure the germination. It is best to give the treatment before the seed sprouts. The treatment will kill most of the sprouts that may be started at the time, but good seed will produce new sprouts.

Corrosive sublimate solution also is an excellent treatment for scab on seed potatoes and is more effective against the scurf than the formaldehyde. Mix 4 ounces of corrosive sublimate in 30 gallons of water and soak the potatoes for 1½ hours. Do not mix the solution in a metal container. Corrosive sublimate is a deadly poison, and must be kept out of reach of children and irresponsible persons. The mixture can be used four or five times.

The cutters should use two knives; one should be kept in a cup of formaldehyde—1 part to 19 parts water—while the other is in use. These knives should be changed frequently and always immediately following the cutting into a tuber showing discolorations, rots or other evidence of disease.

All tubers showing discolorations, rots and other internal evidence of disease should be thrown out.

The acreage of Sweet clover is increasing rapidly in Kansas. The state now has 288,653 acres of this crop. This legume is winning, and it is doing it on merit. A much larger planting is needed, especially on the poorer soils. This crop probably is the most important poor land legume for the conditions in this state.

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## Good Cultivation for Potatoes

—BY F. M. STRAIGHT

No other operation in potato growing counts for so much as that of stirring the soil. It is strange that when one thinks of cultivation the mind naturally reverts to weeds. The destruction of weeds is one thing, the cultivation of the soil another. The only relation existing between the two is that weeds are destroyed when cultivation is persistently practiced. The cultivation of the soil tends to make unavailable plant food available, and there are other benefits arising from it; but the chief object of cultivation is to prevent the evaporation of water. This may not have been true of 1915, but in the great majority of cases plants suffer for water. It is hardly to be expected that enough rain will fall during the growing season to maintain the crop, but after the spring rains the soil usually contains sufficient moisture to produce good crops even during seasons of drought, if the loss by evaporation could in a measure be prevented.

Experiments indicate that a 2-inch dust mulch on some soils saves on an average 2.4 ounces of water a day for every square foot of soil. This would vary with soil and season, but is equivalent to about 3 1/4 tons of water an acre a day. It has been demonstrated that, under certain conditions, it takes 1,310 tons of water to produce a 450-bushel crop of potatoes. Taking this in connection with the experiments quoted, the benefit arising from the maintenance of a dust mulch at once becomes apparent.

In about 10 days after planting a smoothing harrow should be run over the field to kill the weeds that have just started, and to form a dust mulch. As soon as the rows can be followed the cultivator should be used to stir the soil as near the plants as possible, and at least 3 or 4 inches deep. The tops should then be covered with fresh soil by means of a horse hoe or other implement. Cultivation should follow about every 10 days, and as soon after a rain as the soil can be safely worked, until blossoming time, when the horse hoe should again be used to form broad ridges of medium height. If cultivation should follow directly after a rain, the soil probably would remain lumpy for the remainder of the season, while if long delayed moisture would be lost thru evaporation.

The reason for spraying is not well understood by many. The conception that "blight" on the potato leaf, "rust" on grain, or "scab" on the potato tuber are plants is primary. It is true that these plants are low forms of vegetable life, but just as truly plants as the potato or oats or other host plant upon which they feed. These plants causing disease have not the power of taking plant food from the soil and air in the same way the higher plants do, but may attach themselves to other plants, and by growing thru the tissue absorb the elaborated plant food from their host. Because of this action such disease producing plants are called parasites.

Spores are to these parasites what seeds are to the flowering plants, and just as seeds require favorable conditions for growth, so spores may or may not develop readily, depending on climatic conditions. Wet weather does not cause blight, but it does produce favorable conditions for its growth. Seeds could not germinate in kerosene, neither can spores germinate in Bordeaux mixture.

Spores are blown by the wind or carried by other agencies. When they alight on the leaves of plants, if conditions are favorable, they grow. If, however, the leaves should be covered by Bordeaux mixture they cannot germinate. To guarantee immunity from attack the leaf must be covered entirely and kept so during the danger period. The best protection for potatoes, so far as we know, is the home-made Bordeaux mixture.

## Do You Know?

Does any reader of this paper know whether any preparation can be added to harness oil that will keep rats from eating the harness? I wonder if such preparation would injure the leather. Victoria, Kan. Leo Funk.

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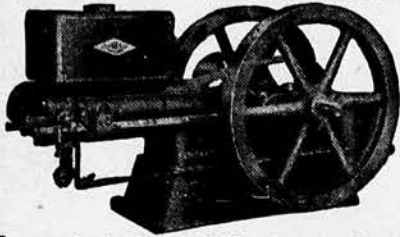
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Farm labor conditions have been largely responsible for the more general use of internal-combustion engines. Even though only a small percentage of farmers are using gasoline engines, still there is more gasoline power used on farms than is consumed in all the factories of the world. The high price of help and the growing scarcity of efficient and dependable men to work on farms have caused the farmer to cast about for a more reliable labor source. The engine supplies this demand in a very satisfactory manner and makes available a much cheaper power than hired labor.

Scientific research has established the fact that muscular energy is the most expensive form, particularly that of man. In other words, adapting this to the farm, the power exerted by men in doing different kinds of work costs more than that developed by mechanical means, by the engine, for instance.

The gas engine, as it is more commonly called, not only saves a large amount of hired labor, but also does away with an enormous amount of manual labor ordinarily required of the farmer himself. Many of the small farm machines, formerly operated by hand, can now be very easily belted to an engine and the work not only done quicker, but cheaper and much more efficiently. As a factor in relieving the drudgery of farm work it has no equal.—Farm Engineering.

## Emptying a Pit Silo

BY W. A. BOYS

This is a good time to put in pit silos, while work is slack, and then they will be ready to fill next fall when the feed crop is ready to harvest. The digging and cement work can be done satisfactorily below the surface during freezing weather. I recently assisted F. E. Brooke of Winona in making out specifications for the construction of two pit silos.

G. W. Howard of Oakley has devised an elevator for elevating silage out of a pit silo. By this means Mr. Howard says he can elevate a ton of silage every 15 minutes. Any one desiring an easier and faster way of getting silage out of a pit silo would do well to write Mr. Howard about this elevator or if possible see it. R. A. Beamer of Oakley has two pit silos containing silage 3 years old, which he is feeding with very satisfactory results. This is an illustration of the value of a silo as an insurance on the feed proposition in western Kansas.

## Poultry Clubs for Girls

(Continued from Page 1.)

how much money actually was made from chickens and nobody can say, "Those blamed hens are eating their heads off and not paying for their keep." Your pay for keeping the farm flock record is free feed for your own purebred stock. You've no idea how interesting this record keeping will be until you've tried it. Figures down in black and white are mighty fascinating when they prove you've been making money. It won't be a difficult matter, either. Five minutes a day will be long enough for the record keeping, and after you've been at it a few weeks you would no more forget to mark the record every day than you would forget to eat dinner.

On another page you will find a list of rules for the club and of prizes offered. Read it carefully, then fill out the application blank, obtain the signature of your mother and two neighbor women, and send it in at once. Ask questions about any part of the contest you do not understand, and remember the chances go to the five girls in every county whose applications come in first.

Encouraging progress is being made in the effort to get better draft horses in Kansas. Much attention is being paid to the utility value of the stallions. There is a general appreciation of the importance of breeding the mares to the best draft stallions available.



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OVERLOOK POULTRY FARMS, BUFF AND Black Orpingtons won 32 first and 29 seconds this past show season. Cockerels for sale. Mating list sent free. Chas. Luengene, Topeka, Kansas, Box 1491.

## The Farmers Mail and Breeze:

I just want to tell you I have sold all the cockerels I had for sale and have been sending back checks for the last two weeks. I sold 48 cockerels in January. The Farmers Mail and Breeze is surely the paper to advertise in. Will send you an ad for eggs a little later on.  
LYDIA MCANULTY, Moline, Kan.

February 5, 1917.

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THOMPSON'S IMPERIAL RINGLET. WON first and second pen at Leavenworth. Cockerels and pens. Mrs. A. Anderson, Greenleaf, Kan.

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PRIZE WINNING S. C. WHITE LEGHORNS at two state shows. Eggs \$2, \$3 and \$5 per 15. Eggs from flock \$5 per 100. Chicks. Send for free mating list. C. G. Cook, Lyons, Kansas, Box G.

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SINGLE COMB WHITE LEGHORNS—Eugene Smith strain. Book your orders now for baby chicks, 15c each. Eggs \$1.50 per 15, \$6.00 per 100. Satisfaction guaranteed. G. E. Gutzman, Blair, Kan.

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BARRED ROCKS, COCKERELS \$2.50, ONE yearling cock \$3.00. Hens \$1.25. Pullets \$1.50. Ush Brothers, Peabody, Kan.

BARRED ROCKS—68 PREMIUMS. TO-peka, Manhattan, Clay Center, Denver, Mattie A. Gillespie, Clay Center, Kan.

START RIGHT. GET TISDALE'S WHITE Rocks. Eggs \$2.00 per 15; \$3.50 per 30, parcel post. The Tisdale's, Joplin, Mo.

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RINGLET BARRED ROCKS. EXTRA GOOD layers. Range eggs \$5.00-100. Chicks 15c. Mating list free. Mrs. W. E. Schmitendorf, Vassar, Kansas.

DUFF'S BIG TYPE BARRED ROCKS. Stock all sold. Booking orders for eggs future delivery. Write for prices. Chas. Duff, Larned, Kan.

BARRED ROCKS, FARM RAISED, NICE-ly barred, yellow legs; they will please you. \$2.50 each. Write us what you want. Moore Bros., Cedarvale, Kan.

WHITE ROCKS BRED FOR LAYING AND Standard points, choice ckls. for sale, also few cock birds from \$2.00 to \$4.00 each. Frank Lott, Danville, Kan.

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BARRED ROCK SPECIALIST. PRIZE winners: Hobart, 1st, 2nd, 3rd, 4th cock-erel; 1st, 3rd pullet; 1st pen; 2nd, 3rd cock; silver cup. Gold Special, Okla. City, 1st pullet, bred pen. Egg orders taken now. A few choice cockerels and pullets for sale. Fred Hall, Lone Wolf, Okla.

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ROSE COMB RED COCKERELS \$1.50 TO \$2.00. John Nicholas, Argonia, Kan.

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DARK RED ROSE COMB RHODE ISLAND Red cockerels \$3.00 and \$4.00 each. Mrs. L. A. McGuire, Paradise, Kan.

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ROSE COMB RED EGGS \$6.00 PER 100. Have bred Reds exclusively for past ten years. J. W. Luthye, Silver Lake, Kan.

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ROSE COMB REDS EXCLUSIVELY. Healthy range flock. Splendid color. Eggs \$1.25 per 15. Also Gray Toulouse Goose eggs 15c each. Nell Balla, Walnut, Kan.

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R. C. RHODE ISLAND REDS. UNSCORED cockerels \$1. 2 old cocks scored \$4 each price each \$6. Scored cockerels \$2 to \$4 each. M. L. Fridley, Wamego, Kansas.

FOR SALE—STOCK AND EGGS, SINGLE Comb Rhode Island Reds. Winners at Hutchinson and Wichita shows. Prices gladly furnished. Joe Brada, Great Bend, Kan.

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BEAUTIFUL DARK VELVETY ROSE COMB Rhode Island Reds, exclusively. (Bean strain.) Range flock, 15 eggs \$1.00. 100-\$5.00. Special matings, \$4.00 and \$5.00 per 15 eggs. Satisfaction guaranteed. Mrs. Chancey Simmons, Route No. 3, Erie, Kansas.

SUCCESSFUL POULTRY FARM WHICH is raising Rose C. Reds exclusively will book your orders for spring delivery of eggs from pen No. 1, \$10.00 15. Pen No. 2 \$5-15. Pen No. 3 \$6 per 100, or \$1 per 15. Fertility guaranteed. Mrs. Roy Davisson, Sabetha, Kan.

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BOURBON TOMS, TOULOUSE GANDERS. Buff Orpington cockerels and drakes. Partridge Rock cocks. Eggs in season. Mrs. Frank Neel, Beverly, Kansas.

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DWARF BLACK HULL WHITE KAFFIR. Drought resister. Under 100 lbs. 5 cts. 100 to 500 lbs. 3 1/2 cts. 500 lbs. and up. Graded and sacked F. O. B. Tyrone, Okla. J. W. Wartenbee.

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RED TEXAS RUST PROOF SEED OATS, recleaned and carefully graded. You buy nothing but oats. Grown here one year. They are fine. Let me send you a sample and prices. Warren Watts, Clay Center, Kan.

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1915 GROWN WHITE CORN CARRIED over 1916 in the ear. Large variety. Has been selected for planting, several seasons. Will remove tips and butts before shelling. You will find none more vigorous. \$2.50 bu. 5 bu. or more \$2.25 bu. M. V. Hess, Ensign, Kan.

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ANCY HOME GROWN RECLEANED NON-irrigated alfalfa seed. High germinating power. Guaranteed free from frosted seed. Price \$8.40 bushel, f. o. b. Florence. Sacks free. Ship either freight or express. No order accepted for less than sixty pounds. Reference Florence State Bank. J. F. Sellers, Florence, Kansas.

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FOR SALE—15-30 OIL-FULL TRACTOR and Avey plow. Harry Dyck, Moundridge, Kansas.

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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.

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HO, REAL ESTATE MEN! I HAVE A list of the names of owners of Gove county land, giving descriptions of lands and addresses of owners. Printed in handy book form and selling fast. Write for price to A. K. Trimmer, Gove City, Kansas.

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WOULD \$150 MONTHLY AS GENERAL agent for \$150,000 corporation and a Ford auto of your own, introducing Stock and Poultry remedies, Dips, Disinfectants, and Sanitary Products. Interest you? Then address Royoleum Co-Operative Mfg. Co., Dept. Monticello, Ind.

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NO STRIKE: 8 HOUR DAY, MEN EVERYWHERE. Firemen, brakemen, baggagemen, \$120. Colored porters. Experience unnecessary. 796 Railway Bureau, E. St. Louis, Ill.

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WANTED BY MARRIED MAN—WORK ON farm by month in Central or Western Kan. Exchange references. T. C. Stolsworth, Bellaire, Kan.

I AM SEEKING A POSITION ON A KANSAS farm as a housekeeper or to assist with the house work. I am compelled to secure employment for the support of myself and small son. If you are in need of competent help write to Mrs. Emma Smelser, Wheaton, Mo.

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

WANTED—FARM HAND IMMEDIATELY. \$30 per month till harvest for No. 1 good hand. Board included free. Chas. R. Weede, Walton, Kansas.

MARRIED MAN TO WORK ON FARM. Will pay \$40 per month. House, garden and pasture for 1 cow. Send references. Leroy Pierce, Linwood, Kan.

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WANTED 500 SALESMEN TO SELL MAGIC Motor Gas. One quart price \$2.00 equals 50 gallons gasoline. Not a substitute. Great product ever discovered. Large profits. Auto Remedy Co., 203 Chestnut, St. Louis, Mo.

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## MISCELLANEOUS.

TO TRADE: 5 ROOM BUNGALOW, PASADENA, California, for Western Kansas or Oklahoma property. Asa Bean, 706 N. Monroe, Hutchinson, Kan.

BUILD YOUR OWN CEMENT SILO. WE have two Polk system forms for building cement silos, for sale cheap; or will rent. Write us for prices. Oklahoma Cement Silo Co., Oklahoma City.

LIFE OF BUFFALO BILL AND STORY OF Wild West, written by himself; big book, well illustrated; tells his whole life; everybody wants it; liberal commissions, credit if desired; send 15 cents for sample book. George G. Clows Co., Philadelphia, Pa.

BIG WESTERN WEEKLY SIX MONTHS 25 cents. Biggest and best general home and news weekly published in the West. Review of the week's current events by Tom McNeal. Interesting and instructive departments for young and old. Special offer, six months' trial subscription—twenty-six big issues—25 cents. Address Capper's Weekly, Dept. W. A.-12, Topeka, Kan.

## Have a Good Garden

BY FRITZ KNORR

No part of a farm will bring better results in money actually saved than the kitchen garden. To have a large supply of good fresh vegetables always on hand during the summer season to give an abundance of cheap and wholesome food for the family is a problem that should receive more consideration in farm homes. The fruits of the kitchen garden should not be limited to summer use. In addition to this, nearly all the vegetables grown may be preserved in some form for winter use, making it unnecessary for a farmer to purchase canned vegetables.

Canning has often been considered a difficult problem and something a farmer's wife could not undertake. With the guidance of bulletins issued by the U. S. Department of Agriculture any woman may soon learn to can successfully any of the common vegetables.

Lack of gardens is more apparent in the West than in the East. The reason advanced is that a garden requires "the best piece of land on the farm" and "considerable time and money." It does require some time and a little money to have a good garden, but the actual expenditure of either time or money is not large. The largest cash outlay is for two or three hotbed sashes and a hand cultivator.

## News of the Granges

The executive committee of the Grange has arranged to have the state lecturer, A. M. Bunge, send to the Farmers Mail and Breeze any items of news likely to interest members. The items printed this week were contributed by Eve Gasche of Waverly, Kan., an experienced and interesting reporter of Grange activities.

This is a good place to remind all those who promised at the state Grange to send reports of their work to the state lecturer, that not one Grange has kept that promise. Reports of your chief lines of work are asked for, something that might interest and help other Granges. Other items will have to take the place of news from the local Granges this week.

One of the best of the recent addresses of the national officers is that of the national lecturer, E. E. Chapman, to the young people of Massachusetts. He might very appropriately have addressed it to all the rural folks in the United States. This extract is taken from the Pennsylvania Grange News of February:

Now comes the parting of the ways of life, the past from the future. We must stop for a moment in the blended light of memory and hope, and prepare for the toll and conflicts before us. The world is waiting for you; the Grange needs you, every one of you, with all your gifts and culture and power; it has a place for every one of you; it may not be an exalted or conspicuous place, but in the sight of God and man, everyone has a place in life's great work.

We know not what is before us. But this we do know: That it will depend upon ourselves and upon the use we make of the gifts and power we possess; upon the goal we choose, and toward which we work; upon the worthiness of our aims and purposes in life; upon our fidelity to the principles of our order; upon our watchful attention to the voice of conscience as to just the measure of success that will be attained this year in our individual lives.

The real success of the Grange is attained by discovering and making good use of the talents already in our possession. In other words, the real growth and benefit of the order must come from within, rather than from without. The more I visit the different subordinate Granges throughout the land, the more I am convinced that the greater benefit is derived from awakening the sleeping talents of our own members, rather than by securing inspiration from outside help in order that we may be entertained. Let us remember that the best way to be happy is to make others happy; that the best way to get is to give; that life itself means service.

Why not try for the largest net gain in membership this year? Kansas organized the most Granges of any Grange state, but Ohio outstripped Kansas in net gain in membership, having 6,000 above all losses. One of the weaknesses of the Kansas plan of organization is the lack of "follow-up-work" by the deputies after the Grange is organized. Too many deputies leave the new Grange to struggle along the best way it can just when a little experienced help is most needed. The first six months of a Grange's life is a critical period while it is learning Grange law and procedure and judicious help is often needed.

An ever recurring request that comes to a state lecturer is for help for programs. While Granges that really need help should receive it, it must be said here, that the strong Granges that are such a power for good in their respective communities, are those that early trained their members to provide for their own instruction and entertainment. Many such Granges have never asked for program help from either the state or national Grange. In addition to the lecturer's helps sent out by the state lecturer the agricultural college has sent to Granges that asked for them an excellent set of programs on farm and home topics.

Also the state board of health has sent to Granges that promised to use them their excellent series of lessons prepared for the use of clubs, and all societies interested in health betterment. The question has come to some of our members that we should try to standardize the Granges of our counties, and the state. Just here it might be well to ask what is to be gained by making the Granges do uniform work? The needs of one community call for some special line of work, while another Grange neighborhood needs a different line of work. The individuality of the Granges of any county, and their special lines of work lend spice and interest to their reports when they meet in Pomona Grange. Aside from the ritualistic work no two Granges do exactly the same work in the same way. One Grange does co-operative work on the Rochdale plan, while another uses the mutual plan with non-Grange stockholders. Other Granges buy in carload lots, and others persuade their local merchants to give

them such fair prices that they do not ship in many car lots. We have Granges that make the educational work of the order their chief work, and these make that work so important that we should be slow to ask them to bring their work to any standard that might lessen the scope of their important work.

Let us not forget those Granges which look after the interests of the community, their schools, and the social features of the order. Standardizing the work of our Granges might mean more uniformity in the work in the state, but it is questionable whether it would better the total results in the state.

Because it needs repeating over and over, it needs to be said here that few things help a Grange more than faithful and prompt attendances at every Grange meeting. The state officers cannot solve this problem for any Grange.

## How the Grange Helps

BY E. MCCLURE  
Secretary

Personal contact with good people does more to educate than books and treatises. The Grange meetings provide ample means for this contact, and their benefits may be judged by the living testimonials—good farmers who received their education thru the Grange.

The Grange brought about the rural free delivery thru the efforts of its national legislative committee. The same influence got the appropriation from Congress for developing post roads. To judge by the activity of the Good Roads association in the legislature, this winter, one might think this so-called Good Roads association had secured the fund. This association consists of a few men who know nothing about the farmers' condition, and our stack of letters protesting against the association's methods grows bigger and bigger. The farmers all want good roads, but not a machine.

The Grange fought against patents on the driven wheel, sliding gate and barbed wire, thus saving immense sums for royalties to be taken from farmers using them.

State Lecturer Bunge of Waverly, is sending out quite a lot of helps for lecturers for the Grange. The propositions outlined for discussion in these helps, if followed by the Grange, will make well-informed citizens and better farmers. If your lecturer has not received them write to Mr. Bunge and he will send them.

The efforts of Congress to put oleomargarine on the market without being labeled, in direct competition with butter, is being watched by the National Grange. This effort is made every time the tax is tampered with in Congress. We have no objection to the manufacturer's selling oleomargarine, but if he is ashamed of it he should call it something else. The farmers don't want it called butter.

## Help in the Contests

Everyone ought to know how to write a good piece about the contest in which he is taking part. Every farmer ought to write something about the work of his Grange or Union or institute, and everyone surely ought to know how to write in plain, simple, and fairly accurate English. This is the season for such things. It is the season for reading, and it will soon give place to spring work. If you had a copy of Dillon's Desk Book, you could learn, in 48 pages, more tricks of writing than a term in college would give you. The third edition of this little book has now been bought by 22 colleges and universities, and by 385 men and women of every business and profession. It has been sold in every state in the Union since December 1. The Mail Printing House, a department of the Capper Publications, has issued the book in serviceable binding, small enough for your pocket, and strong enough not to wear out very soon. You can get a copy for 50 cents by addressing Charles Dillon, Topeka, Kansas. It is not a course in English, and it isn't filled with rules you can't understand. It will help you over many an obstacle. It answers the questions you don't like to ask.

Kansas has a larger acreage of alfalfa than any other state. This legume has done much to add to the prosperity of the Middle West.

Mention the Farmers Mail and Breeze.



# 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 discontinued or changed of copy intended for the Real Estate Department must reach this office by 10 o'clock Saturday morning, one week in advance of publication to be effective in that issue. All forms in this department of the paper close at that time and it is impossible to make any changes in the pages after they are electrolyzed.

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

**IF YOU want a wheat or stock farm, write for price list. C. L. Wilson, Tribune, Kan.**

**3 SNAPS. Imp. 120 a. at \$40; 160 at \$55; 57 at \$90. Decker & Booth, Valley Falls, Kan.**

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

**160 A. imp., 40 a. wheat, 15 a. alf., bal. meadow and pasture. Renstrom, Osage City, Kan.**

**WESTERN Kansas land. Farm and ranch lands. \$5 to \$25 a. J. E. Bennett, Dodge City, Kan.**

**\$2 A. joining Burlingame. Electric lights, water works. \$5200. E. H. Fast, Burlingame, Kan.**

**FOR SALE: 160 acres near Yates Center, Kan. Improved. Worth \$60. Price \$40 per acre. L. C. Arnold & Co., St. Joseph, Mo.**

**FOR SALE. Well improved farm near town; splendid stock farm; small payment; easy terms. Lewis Pendleton, Dodge City, Kan.**

**NORTHEAST KANSAS bargains in bluegrass, timothy, clover and alfalfa farms. Exchanges. Compton & Keen, Valley Falls, Kan.**

**100 A., 1 1/2 ml. Lebo, Kan., 80 cult., 20 blue-grass pasture. \$75 a. Mtg. \$2500, 6 1/2%. Trade for mdse. Hedrick & Beschka, Hartford, Kan.**

**TWO GREAT BARGAINS in Shawnee County farms. 160 acres, \$60 a. 40 acres, \$70 a. Half cash. J. E. Thompson, Tecumseh, Kansas. (The Farmer-Land Man.)**

**3600 ACRE RANCH, Pawnee Valley; 350 cultivated. Well improved. Running water. All tillable. 250 acres wheat; one-third goes. \$25 an acre. D. A. Ely, Larned, Kan.**

**CREEK BOTTOM FARM. 200 acres, 40 in alfalfa, 4 miles town; near school and church; good buildings, good road to town. \$55 per a. Write for list. T. B. Godsey, Emporia, Kan.**

**SMALL STOCK of general merchandise doing business at Ellis. Goods and fixtures in invoice about \$1200. Will exchange for western land. Western Real Estate Co., Ellis, Kan.**

**WHEAT selling \$1.50 a bu. Have 480 acres, all best of land, mile and half out, 300 in wheat, 1/2 with sale, small imp., good water, only \$25.00 an acre. \$5,000.00 cash handles it. Other bargains in wheat land. Highly improved 80 acres, Riley Co., Kansas, snap price. R. C. Buxton, Utica, Kansas.**

**80 ACRE FARM, good buildings, land in high state of cultivation. Well located. A special bargain at a special price. Come at once as this farm should not be on the market long. Possession on short notice. Terms if wanted. Write for list of any size farm you are interested in. Clover, alfalfa and corn land. Mansfield Land Co., Ottawa, Kan.**

**120 A. IMPROVED near Fort Scott, Kan. Heirs must sell; will sacrifice. L. A. Hamrick, Pittsburg, Kan.**

**320 ACRES, 2 1/2 miles town; improved. 210 acres in wheat, 1/2 goes. \$50 an acre. C. W. West, Spearville, Kan.**

**40 SECTIONS of ranch land in S. E. Okla. Good grass and worlds of water, sell all or part. Price \$3.50 per acre. Guss Schimpff, Burns, Kansas.**

**480 ACRES, highly improved wheat farm, well located; 1/2 mile to good school, 4 miles to R. R. town. Price, \$12,500. G. W. Meyer, Hoxie, Kan.**

**440 A., smooth; good water; 30 bushels wheat per a raised on similar land in neighborhood. \$12.50 acre. Would divide. Other bargains in larger and smaller tracts. John Landgraf Land Co., Garden City, Kan.**

**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. Frizell & Sons, Larned, Kansas.**

**40 ACRES, all creek bottom; all in cult. but 1 acre. Well located, fair improvements. Bringing \$2 acre oil lease; drilling within 3 miles of land. Will sell on easy terms or take 1/2 good clear trade. Price \$100 a. Cottage View Stock Farm, Howard, Kan.**

**320 ACRES, five miles east of Woodruff, Kansas. 200 acres broke. Balance in pasture and mow land. Five room house. Good well and windmill. Running water on place. \$5500 price. \$3000 cash. Balance five years at six per cent. Address Woodruff State Bank, Woodruff, Kansas.**

**2640 ACRES best flint hill pasture, well fenced, watered. 2 sets improvements. 50 creek bottom alfalfa, 100 more cult. 3 miles town. The best ranch in Elk Co. Price \$23 per acre. Liberal terms. Also have other ranches that are bargains. W. T. Lewis, Howard, Kan.**

**FOR SALE. 2600 acres, Finney Co., 6 ml. from Garden City, 1200 good smooth wheat land, 500 bottom land, fencing, improved, plenty water, 160 a. cuts 20 ton prairie hay a year. Price \$25 per a., 1/2 cash, bal time or will consider some trade. 160 acres, Sheridan Co., 3 1/2 ml. town, 125 under cult. \$22 per acre. 619 Horabaugh Bldg., Hutchinson, Kan.**

**SANTA FE LANDS ON LONG TIME. L. J. Pettijohn, Gen'l Agent, Dodge City, Kan.**

**160 ACRES located 2 miles of good railroad town, Franklin County, Kansas. All nice smooth tillable land; 120 acres in blue grass pasture, and timothy and clover meadows; good 7 room house; good barn; close to school and church. Price \$75 per acre. Extra good terms. Casida & Clark, Ottawa, Kan.**

**640 ACRES located in Kiowa Co., Kan., which I have lately "fallen heir" to and is too far from my home farm to look after. I consider it the best general purpose farm I ever saw. 200 a. in cult.; about 50 a. very choicest alfalfa ground. 180 a. of wheat, bal. the best buffalo grass you ever saw. All fenced good and everything in improvements to be desired on a farm, with the very best of water. \$800,000 on deposit in the two towns 11 miles from farm. If you want to locate in a community where every farmer has a car and more money than he knows what to do with, here's your chance; and especially so if you want to keep about 100 head of cattle which is the ambition of most farmers, if they had the grass. All wheat thrown in and possession at once if you act quick. \$30 per acre and good terms. D. W. Stone, Medicine Lodge, Kan.**

**1500 ACRE RANCH, 1 MILE OUT. Bottom land. 500 acres hay. \$17, terms. Cliff Tomson, Syracuse, Kan.**

**LAND FOR SALE. 800 acres, fenced, 11 ml. of Coldwater. 5 room house, running water. 200 a. plowed, 100 a. bottom hay; bal. grass, \$22.50 acre; \$6,000 cash, balance easy terms 5%. Lytle & Kimple, Owners, Coldwater, Kan.**

**IMPROVED FARM BARGAINS. 96 acres, \$7500, rental \$400. 120 acres, \$9,500, rental \$500. 160 acres, \$12,000, possession March 1st. 240 a. bottom, \$140 per acre; possession and crops. Guy M. Bennett, R. F. D. 1, Abilene, Kan.**

**CHASE COUNTY FARM. 315 acres, 2 miles town on Santa Fe. 160 acres first bottom, no overflow. Fine timber feed lot. 140 acres bluestem pasture. Fair improvements. Close to school; daily mail, telephone. \$24,000; liberal terms. J. E. Bocock & Son, Cottonwood Falls, Kan.**

**RETIRE AND RUN A STORE: Vegetable Green House, five room residence, store building, 4000 sq. ft. under glass, hot water heat. Two blocks from new school. Growing section of city. Six lots. Fine place to retire. \$5000. F. M. Deam, 312 Bittling Building, Wichita.**

**EASTERN KANSAS FARMS 50, 80, 160 and 240 a. Improved farms near Lawrence. We offer for 20 days at \$40 per acre. Good terms. Have several farms for rent. Hemphill Land Co., Lawrence, Kan.**

**WANT GOOD LAND CHEAP? We have it in Seward County. Ask for list or come and see Griffith & Baughman, Liberal, Kan.**

**ROOKS CO. FARM 200 acres, 1/4 miles from Stockton, with a good 5 roomed house, good barn, room for 10 head of horses and 800 bushel bin, with hay mow, granary room for 1800 bushels, cow stable and sheds. 100 acres in cult. 100 rough pasture, 2 wells and 2 wind mills, three-fourths of a mile to school. Price \$40 per acre. A. L. Graham, Real Estate, Stockton, Kansas.**

**50, 80, 160 and 240 a. Improved farms near Lawrence. We offer for 20 days at \$40 per acre. Good terms. Have several farms for rent. Hemphill Land Co., Lawrence, Kan.**

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## 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.

## Lane County

Write me for prices on farms and ranches, wheat, alfalfa and grazing lands. W. V. Young, Dighton, Kan.

## 80 Acres Only \$250.

Near Wellington; good loam soil; 20 a. past.; 60 cult.; 4-room house, barn, etc., poss.; only \$250 cash, bal. \$200 yearly. R. M. Mills, Schweitzer Bldg., Wichita, Kan.

## Wichita Farm Bargain

160 a. 4 miles to Wichita. Rich loam, 9 room house, large horse and cow barn, 60 a. alfalfa. Price \$85. Half cash, bal. terms 5%. For this home, write today. H. E. Osburn, 227 E. Douglas, Wichita, Kansas.

## Cash for Farm Lands

Where you find one purchaser for a large tract of land we can furnish twenty waiting small tracts. 40s and 80s. Let us subdivide and sell your place. Write for particulars and references. Closing up estates a specialty.

MIDDLE WEST LAND AUCTION COMPANY C. F. Sutter, Pres. I. H. Johnson, Gen'l Mgr. P.O. Box 374. Office, Hub Bldg., Salina, Kan.

## 3100 ACRE RANCH —\$13 PER ACRE

Living water, 700 acres sub-irrigated alfalfa land; balance pasture and wheat land. About all tillable. Fair improvements. Located near Wakeeney, Kan. Big bargain, good terms. We have other bargains.

Parish Investment Co., Missouri.

## LOTT'S RANCH BARGAINS

CENTRAL MISSOURI—NORTH ARKANSAS 1920 acres—fine—well improved. .... \$20,000 2000 acres—hog tight—improved. .... 14,000 2958 a.—Central Mo. near St. Louis. .... 18,000 2084 a.—blue grass—near Kansas City 23,000 400 a.—30 ml. K. C. fenced—snap. .... 5,250 4261 a.—White River—fine grass. .... 4,500 Get my list of cheap ranches. Let's get acquainted and do business. Township map Missouri or Arkansas, 15c, postpaid. LOTT, "THE LAND MAN," Finance Bldg., Kansas City, Mo.

## REAL BARGAINS

131 a. Osage Co.; near good town. \$4500. 80 acres, hog farm; nicely improved. Mostly alfalfa land; 1 mile from good town in Greenwood County. \$6500. Easy terms. 160 a. Edwards Co. Imp. \$2000; terms. 262 acres all bottom land, adjoining Medicine Lodge; highly improved. Fine alfalfa land. Write for particulars. 150 acres Lyon County, near good Catholic school and church; mostly bottom land; well improved. \$65 per acre. Easy terms. Box 43, Emporia, Kansas.

## FINE 400 ACRE FARM —STEVENS COUNTY

AT A BARGAIN PRICE. I have one of the best 400 acre farms in S. W. Kansas, improved, for sale at a sacrifice price. Situated 11 miles north of Tyrone, Okla., and 13 1/2 miles from Liberal. Write for full description and price if you want a snap. E. J. Thayer, Liberal, Kan.

## OKLAHOMA

EASTERN OKLAHOMA farms, ranches, oil lands. \$5 up. Blanck Bros., Stillwell, Okla.

70 ACRES, improved, bottom land; spring. 4 room house; barn. 2 miles of Westville, Oklahoma. W. J. Foreman, Westville, Okla.

HAVE BEEN IN BUSINESS here 9 years—can serve you should you wish to buy land in Eastern Oklahoma. Write us. Southern Realty Co., McAlester, Okla.

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

FINE 160 A. FARM, 2 ml. out; 80 broke, level, rich corn and wheat land. Good 3 room house, new barn, fruit, nice timber; spring creek, well. R. F. D. and phone. Only \$3800; time on \$1650. Free list and map. Perry DeFord, Oakwood, Oklahoma.

## NEW YORK

153 ACRES, stock and tools, only \$3,400, part cash. Good land, big basement barn 38x99, two barn floors, big silo, running water from never failing spring to house and barn. 19 cow stalls on one side, box stalls on other side; 5 good horse stalls. 10 room house, two story, on public road. Nine head cattle, pair 2500-lb. horses, 50 hens, 30 tons hay, mower, reaper, rake, wagons, harness, plows, harrows, roller, cultivators, sleds, potato hillers, all goes. Son died, wife left, old man alone, must sacrifice at once. Hall's Farm Agency, New Paltz, New York.

## ARKANSAS

40 ACRES, improved. 38 cult. \$2000. 1/2 cash. Terms. Fair, Centerton, Ark.

FOR ARKANSAS farms and ranches, write for lists. R. D. McMullen, Ola, Ark.

100 A. 2 ml. county seat, 65 in cult. Improved. B. H. Atkinson, Berryville, Ark.

79 ACRES, IMP., 45 A. Cult. \$2200.00. Moss & Hurlock, Siloam Springs, Arkansas.

310 A. IMPROVED. Joins city of Jonesboro. \$100 a. Chas. Thompson, Jonesboro, Ark.

500 ACRE plantation. 350 cultivated; make five good homes. Fine soil, water, timber, location. \$30 acre. Guthrie, Ozark, Ark.

226 ACRES, upland stock ranch. Imp. 90 in cult., balance timber, 9 miles Charleston. \$3000; terms half. Goodbar, Charleston, Ark.

FOR SALE, 15,000 ACRES good unimproved agricultural lands. No hills, swamps nor overflows, close to good market town of 25,000; healthy, good schools; land can be put in cultivation cheap. The rent you are paying will pay for a farm. \$15 per acre, \$3 per acre down, bal. 10 years 6%. Frank Kendall Lumber Co., Fine Bluff, Ark.

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

160 ACRES, good improvements. 135 cult., bal. timber. \$40 an a. Well watered. J. F. Stevenson, Dardanelle, Ark.

IF YOU WANT good farm, stock and fruit lands, write us for list. Robertson & Son, Magazine, Arkansas.

200 A. 6 ml. R. R. station; 60 acres in cult. Small imps. \$1500, 1/2 cash, bal. long time. Wallace Realty Co., Leslie, Ark.

80 ACRES, 30 in cult.; small house. Bal. timber. 5 ml. Marshall on turnpike road. Terms. \$10 a. Lock Box 21, Marshall, Ark.

132 ACRES, improved. 100 cult., bal. timber and pasture. \$3,000. Good terms. Yell Co. Land Co., Danville, Ark.

160 ACRES, 80 cultivation, bal. timber; water, house, barn, orchard, public road; no rocks. \$40 acre. 30 a. 25 cult. \$15 a. Robert Sessions, Winthrop, Ark. (On Ry.)

40 A., 4 room house, good outbuildings 1000 fine bearing fruit trees; good water. 2 ml. R. R. Price \$1000. Easy terms. J. M. Doyel, Mountainburg, Ark.

560 ACRES, 360 ACRES RIVER BOTTOM. 200 a. good timber; well improved. Two large springs, cane brakes on the river. Price \$35.00 per acre. J. C. Hart, Waldron, Arkansas.

IF YOU WANT A GOOD FARM at reasonable prices, write for our list. Dowell Land Co., Walnut Ridge, Ark.

FOR SALE. Improved and unimproved tracts of land in Jefferson County, Arkansas, and vicinity; 40 acres and upward, \$17.50 per acre. Terms. No trades. Other lands same character in vicinity selling at \$25 per acre and upward. Mills & Sons, Box 387, Fine Bluff, Ark.

100,000 ACRES FOR SALE. Farms and ranches, any size, cash or terms, low prices, profit doubling values, no rock or swamp, fastest selling land in south; sure crops; pastures 3 head to acre; bears inspection. Free map and price list. Tom Blodgett, Little Rock, Ark.

## MISSOURI

FOR SOUTHEAST MISSOURI farms, write M. Leers, Neelyville, Mo.

120 ACRES, 60 cult. Improved. Good water. \$2400. W. W. Tracy, Anderson, Mo.

160 A. DOUGLAS CO., 1 ml. Ava. Well imp. \$3200. Corn Land Co., Springfield, Mo.

90 ACRES, 1 mile out, good improved; 50 acres cultivation. \$40 acre. Terms, \$600 cash. R. R. Moore, Collins, Mo.

60 ACRES IMP., Butler Co. 30 in cult., balance timber and pasture. Shattuck Real Estate Exchange, Poplar Bluff, Mo.

STOP! LISTEN! 40 a. valley farm \$950. Well improved. 10 a. timber land \$250. Good terms; free list. McGrath, Mtn. View, Mo.

320 ACRES, the best farm in Ozark Country and best improved. Valley land. Improved for dairying; 250 a. tame grass. \$65 acre. Terms. J. A. Wheeler, Mountain Grove, Mo.

I OWN 4 STOCK FARMS from 40 to 640 a. Well watered. No trade. Descriptions furnished. Liberal terms. N. L. Townsend, Mountain Grove, Mo.</



## COLORADO

**480 ACRES IMPROVED** land 18 miles east of Colorado Springs. For further information write S. Kranz, Colorado City, Colo.

**FOR SALE:** Land in the rain belt in Elbert County. \$1 per acre down, \$1 per a. per year. Beans pay twice the price in one year. Send for literature.  
H. F. Vorles, Pueblo, Colorado.

**LOCATIONS MADE,** 640 acres H. E. aid of a competent surveyor. Our charges \$100. Fine land. Come quick.  
Geo. W. Bruce, Delta, Colo.

**TWIN LAKES IRRIGATED LAND** at unheard of prices. Relinquishments and cheap dry lands. Write today for prices.  
Greene & Dean, Ordway, Colorado.

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

**40 ACRES COLORADO IRRIGATED LAND.** Will yield big profits from alfalfa, fruit or Honey Dew melons; abundance of water and full water rights; close to railroad and town; low price and easy terms.  
Geo. E. Hankins, 421 W. 21st St., Pueblo, Colo.

## COLORADO

2,200 acres fine equipped stock ranch. Stock, implements, etc. Lots of open range. Price \$80,000. A. M. Biedesel, 200 Cooper Bldg., Denver, Colorado.

## Farms and Ranches

I have the best farms and ranches in three best counties of East Colorado; climate, soil, water, crops, schools, opportunities. Write for facts.  
R. T. Cline, Brandon, Colo.

## Your Opportunity

To buy a **COLORADO IRRIGATED FARM** will never be better than now. Our irrigated farms are located in the famous Ordway-Sugar City District, near Pueblo, Colorado, from one to 4 miles from main line of the Missouri Pacific, under the Twin Lakes Land and Water Company's System. Good, sandy loam, dependable water rights, climate healthful, country prosperous; good schools, churches and markets. Prices \$135 to \$150 per acre. Terms, \$10 to \$20 per a. cash, balance in ten equal annual payments, 6%.

We have several thousand acres of cheap land within 5 miles of the city of Pueblo, at from \$15 to \$30 per a. There are several artesian wells on this cheap land.  
Write for our free book. Homeseekers excursions first and third Tuesdays of each month. Reference any bank in Pueblo.  
B. H. TALLMADGE,  
1st Nat'l Bank Bldg., Pueblo, Colo.

Pueblo, Colo., Jan. 25, 1917.  
We consider B. H. Tallmadge reliable and responsible. We can also strongly recommend the land under the Twin Lakes Land and Water Company's system, which he has charge of. It is one of the oldest irrigation systems in eastern Colorado.

THE BANK OF PUEBLO,  
W. B. Cook, Cashier.  
D. A. Randall, Vice President.

## ALABAMA

**LOCATE on the Gulf, Mobile & Northern R.R.** Large or small tracts, suitable for alfalfa, general farming, truck, pecans, oranges and stock raising. New road, new country. Healthy, rapidly developing. Address  
H. H. Bolton, Immigration Agent, Mobile, Ala.

**THE GREATEST** stock farm and hog raising proposition in the United States. 2500 acre farm at Montgomery, Alabama, alfalfa and corn land, well improved, railroad station, fronting 6 miles on hard road. \$25 an acre. Half cash, balance ten years, 5%.  
F. M. Kohn & Son, Montgomery, Ala.

## WISCONSIN

**30,000 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.

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**FARMS AND RANCHES:** 160 to 4,000 a.; pay like rent. Write for photos and description. R. D. Drullman, Benkelman, Neb.

## ILLINOIS

**FOR BARGAINS IN ILLINOIS FARMS,** Address S. H. Morton & Co., St. Louis, Mo.

## OREGON.

**OREGON** and opportunity. Cheap wheat lands, irrigated lands, stock ranches, good climate. Edmund M. Chilcote, Klamath Falls, Ore.

## MICHIGAN

**WRITE J. D. S. HANSON,** Hart, Mich., for list farms in Co., where biggest crops grow. Fruit, grain, alfalfa, dairying.

## MONTANA.

**610 ACRE** Montana homesteads. New law. Circular free. Bureau 112, Boulder, Mont.

**MONTANA** The Judith Basin offers exceptional opportunities to the farmer, stockman and investor. Surveys by ordinary farming methods. Harvest every year—not once in awhile. No irrigation, no expensive equipment, no water, good markets. You can do better in the Judith Basin. Buy direct from the owners. Prices lowest; terms excellent. Free information and prices sent on request. Address THE COOK-REYNOLDS CO., Box 11405, Lewiston, Montana

## Hogs Make New High Record

(Owing to the fact that this paper necessarily is 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.)

Livestock supplies last week were swelled by supplies held back the preceding week owing to severe cold weather and storms, but notwithstanding the increase, prices with few exceptions were stronger and new high records were made in all divisions. Prime steers sold up to \$12, a new record except for one bunch of prime beefs that sold last December for the Christmas trade at that price. Hogs sold up to \$12.40, and \$14.70 was paid for best lambs.

A moderate setback occurred in hog prices in the middle of the week, but Friday the loss was regained and a new high record price of \$12.40 was paid.

At some of the Eastern markets more than \$13 was paid for hogs. The top in Chicago was \$12.55. The net advance for the week is 45¢@50 cents. Friday more than 1,300 hogs from Arizona sold to a serum company. They will be vaccinated and sold to the country for feeding.

Trading in cattle started with considerable activity, and on Tuesday prices were up 15 to 25 cents. Later most of the advance was lost. Lessened demand was attributed by packers to scarcity of refrigerator cars to ship meats East. Few good cattle arrived after Tuesday. Some of the big killers assert that they are taking steers that dress as low as 63 per cent, and salesmen say many steers are going to slaughterers that should be sent back to the country for more feeding. The top price for the week, \$12, was paid for nineteen steers weighing 1,505 pounds. They had been fed 5 months. Some other steers sold at \$11 to \$11.35, but the bulk of the native steers brought \$9.75 to \$10.75. Oklahoma and Texas cake fed steers brought \$8.75 to \$9.75, and Western steers brought \$9.40 to \$11.

No important change occurred in prices for cows and heifers. Trade was fairly active. Calves sold up to \$13, a new record price. Bulls sold readily at firm prices. Weather conditions kept country buyers out of the market for thin cattle and prices declined 25 to 35 cents. A good many light weight stockers were unsold. Salesmen believe demand will revive with better weather conditions.

Larger supplies than had been anticipated arrived in the sheep division and prices for lambs after Tuesday declined 25 to 35 cents. Sheep were in meager supply and continued firm in price. Early in the week lambs sold up to \$14.70 and later \$14.40 was the best price. Ewes sold up to \$10.85, yearlings \$12.75 and feeding lambs

## TEXAS

**ALFALFA,** hogs, corn, dairying, on irrigated farms. Northwest Texas. No floods, no droughts. Good climate, good schools, good roads, good water, good soil, good markets, good neighbors. Easy terms. Write to me about this land. Stevens A. Coldren, 601-4 Gloyd Bldg., Kansas City, Missouri.

## SALE OR EXCHANGE

**ANYTHING** in real estate. Sales or exchanges. J. W. Brown, Dealer, Springfield, Mo.

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

**240 A. KAW VALLEY LAND, IMPROVED.** J. M. Conlan, St. Marys, Kansas.

**TRADES EVERYWHERE.** Large list free. Reeve & Staats, Emporia, Kansas.

**WHATEVER** you may have for exchange write me. Eugene Oaks, West Plains, Mo.

**OZARKS OF MO.,** farms and timber land, sale or ex. Avery & Stephens, Mansfield, Mo.

**1000 ACRES** exchange for anything. 10 a. up. Timber, water and grass. S. A. Robinson, Southwest City, Mo.

**REAL ESTATE BARGAINS—**Good farms for sale and exchange. See us quick. Walton Land Investment Co., Springfield, Mo.

**HIGHLY IMPROVED** irrigated farm. Arkansas Valley, Colo. Exchange. Address Owner, Thatcher Building, Pueblo, Colo.

**THREE RANCHES** in Elk Co. to exchange for wheat land, city property or small farm. F. J. Brown, Howard, Kansas.

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

**FOR EXCHANGE:** 3000 ACRES. Near Houston, Tex. Clear. Price \$60,000. Want income, or merchandise. W. H. Beach, 315 Ridge Bldg., Kansas City, Mo.

**FOR SALE AND EXCHANGE.** Northwest Missouri, Iowa and Nebraska choice farms; the greatest grain belt in the United States. Get my bargains.  
M. E. Noble & Co., St. Joseph, Mo.

## FARM LOANS

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

**MONEY TO LOAN** on improved farms or ranches. Stocks, and bonds bought and sold. White Agency, Lincoln, Neb.

\$14.15. Reports from Eastern centers are that prices for some grades of wool have advanced 5 cents a pound. In Western breeding sections it is reported that \$9 a hundred pounds is offered for feeding lambs for fall delivery.

Uncertainty regarding the outcome of the government's break with Germany, and continued activity of German submarines in sinking vessels in the waters around England and France kept the wheat market in a nervous condition last week, tho the extreme range of prices was only half that of the preceding week. The volume of speculative trade diminished greatly, owing to the doubts of traders as to what will happen and what may be the effects on prices of the possible developments of the next few weeks. Closing quotations were about 7 cents higher than a week ago for May delivery and up about 2 cents for July. Congestion of freight traffic seemed to be more than ever and several roads tightened their restrictions on shipments. Nevertheless enough grain is moving out of Western centers to keep the visible supply decreasing.

Some improvement in demand for flour was reported. Mills are taking most of the current arrivals of good wheat and paying high premiums for it at all markets.

Argentina shipments were surprisingly large, 3,071,000 bushels. The exports from India and Australia were not announced, but they continue to be restricted by scarcity of vessels.

Adverse weather conditions for this year's wheat crop are receiving increasing attention. Zero temperatures in most of the area, without snow protection, and deficient moisture in Western sections, raise doubts about the prospects for this year's crop.

Deficient receipts maintained a strong tone in the corn belt. The May delivery advanced about 4 cents, to within a cent of the highest of the year, making the best prices Saturday. Carol prices kept pace with the futures. Yellow corn sold above a dollar a bushel in Kansas City. Demand for immediate use is taking nearly all the current offerings. Little new export business was reported, but the week's clearances were nearly a million bushels.

Crop news from Argentina was worse and was one of the sustaining factors. Deficient moisture nearly all season in that country has kept the crop from maturing properly.

Quotations on wheat: No. 2 hard, \$1.78 1/2 @ 1.83 1/2; No. 2 soft, \$1.77 @ 1.81; No. 3 mixed, \$1.65 @ 1.67.  
Corn: No. 2 mixed, 99 1/2 c @ \$1.00; No. 2 white, 99 1/2 c @ 99 3/4 c; No. 2 yellow, 1.01 @ 1.01.  
Oats: No. 2 white, 58 @ 58 1/2 c; No. 2 mixed, 56 @ 57 c; No. 2 red, 61 @ 64 c.

## Be Careful Whom You Pay

The attention of city marshals and subscribers is again called to the fact that they should be careful to whom they pay their subscriptions for the Daily Capital and the Farmers Mail and Breeze. There are still a few dishonest solicitors in Kansas. The following district managers are alone authorized to solicit subscriptions. Do not pay subscriptions to anyone except those whose names are mentioned below.

Allen, J. E. Butler;  
Anderson, H. O. Sare;  
Atchison, J. H. Brown;  
Barber, J. M. Watson;  
Barton,  
Bourbon, L. I. Lauts;  
Brown, B. M. Butters;  
Butler, Thos. Tunstall;  
Chase, Walter Wright;  
Chautauque, G. L. Murphy;  
Cherokee, J. D. Kerr;  
Cherokee, R. D. Wolbert;  
Clark, B. E. Fox;  
Clay, C. A. Muck;  
Cloud, L. N. St. Cyr;  
Coffey,  
Comanche, M. O. Parcel;  
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Decatur, E. A. Hughes;  
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Dickinson, J. E. Gish;  
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Ellis, G. L. Murphy;  
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Franklin, A. H. Dodge;  
Geary, B. F. Sweet;  
Gore, H. M. Shaw;  
Graham, H. M. Shaw;  
Grant,  
Gray, J. K. Herron;  
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Greenwood, W. N. Kelsey;  
Hamilton,  
Harper, E. Huff;  
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Jackson, John E. Davis;  
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Kearny,  
Kingman, E. Huff;  
Knox, D. W. Stratton;  
Labette, G. L. Murphy;  
Lane,  
Leavenworth, Jonathan Dix;  
Lincoln, A. N. Holway;  
Linn, Hugh Bayless;  
Logan, B. O. Brown;  
Lyon, C. H. Dreher;  
McPherson, Geo. McClintick;  
Marion, Walter Wright;  
Marshall, M. J. Gilkerson;  
Meade,  
Miami, A. H. Dodge;  
Mitchell, L. N. St. Cyr;  
Montgomery, G. L. Murphy;  
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Morton, R. M. Case;  
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Norton, H. M. Sharp;  
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Osborne, A. N. Holway;  
Ottawa, J. E. Gish;  
Pawnee, J. V. Stewart;  
Phillips, H. M. Sharp;  
Pottawatomie, B. F. Sweet;  
Pottawatomie, John E. Davis;  
Prairie, Alvin Phelps;  
Rawlins, E. D. Wolbert;  
Reno, J. K. Herron;  
Republic, L. N. Hendrix;  
Rice, J. K. Herron;  
Riley, B. F. Sweet;  
Rooks, H. M. Shaw;  
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S. 1/2 Shawnee,  
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Stanton,  
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Sumner, Thos. Tunstall;  
Thomas, R. D. Wolbert;  
Trego, H. M. Shaw;  
Wabasha, H. O. Golding;  
Wallace, B. O. Brown;  
Washington, W. A. Scruby;  
Wichita, Karl F. Spellman;  
Wilson,  
Woodson,  
Wyandotte, Jonathan Dix;

The Rev. Charles H. Spurgeon's keen wit was always based on sterling common sense. One day he remarked to one of his sons:

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

"No, sir. Why was it?"

"Because the most of him was backbone and the rest was grit."—Tit-Bits.

## Farmers Mail and Breeze Magazine Bargains



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This is a splendid opportunity to order your favorite magazines and to renew your subscription to this publication. Best of all we have arranged so you can send us your order for all the publications you want in one order at greatly reduced prices. If you do not find your favorite club in this list, make up your own combination and write us for special price.

## Capper's Trio

Topoka Daily Capital.....	\$5.00	All One Year for only
Farmers Mail and Breeze.....	1.00	\$5.75
Capper's Weekly.....	.50	You save 75c

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Boys' Magazine.....	1.00	You save \$1.25
Household.....	.25	

## Bargain Offer No. 4

People's Popular Monthly.....	.25	All One Year for only
McCall's Magazine.....	.50	\$1.55
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Reliable Poultry Journal.....	.50	

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Farmers Mail and Breeze.....	\$1.00	All One Year for only
Capper's Weekly.....	.50	\$1.25
Household Magazine.....	.25	You save 50c

## Bargain Offer No. 5

Household.....	.25	All One Year for only
Farmers Mail and Breeze.....	1.00	\$1.50
Modern Priscilla.....	1.00	You save 75c

## Bargain Offer No. 6

Farmers Mail and Breeze.....	\$1.00	All One Year for only
People's Home Journal.....	.35	\$1.45
Woman's World.....	.35	You save \$1.40
Every Week.....	1.00	

## Bargain Offer No. 7

Farmers Mail and Breeze.....	\$1.00	All One Year for only
Boys' Magazine.....	1.00	\$1.95
Modern Priscilla.....	1.00	You save \$1.80
Home Needlework.....	.75	

## Bargain Offer No. 8

Household.....	.25	All One Year for only
Farmers Mail and Breeze.....	1.00	\$1.30
Reliable Poultry Journal.....	.50	You save \$1.20
Green's Fruit Grower.....	.50	
Home Life.....	.25	

## Bargain Offer No. 9

Farmers Mail and Breeze.....	\$1.00	All One Year for only
Woman's Home Companion.....	1.50	\$2.65
Delicater.....	1.50	You save \$1.60
Household.....	.25	

## Free McCall Pattern

To introduce McCall Patterns, The McCall Company allows each subscriber for McCall's MAGAZINE to choose from her first copy of McCall's any one 15 cent McCall Dress Pattern FREE. Send free pattern request to McCall's Magazine, New York City, giving Number and Size, with 2-cent stamp for mailing. McCall's Pattern given only with clubs containing McCall's Magazine.

**NOTE—**If you do not find your favorite club in this list, make up your own combination of magazines and write us for our special price. We can save you money on any of the magazines above providing they are clubbed with our publication. New, Renewal or Extension Subscriptions Accepted.

## —Use This Coupon—

Farmers Mail and Breeze, Club Dpt., Topeka, Kas.

Gentlemen: Enclosed find \$..... for which please send the magazines listed in Offer No..... to the following name for one year.

Name.....

Town..... State.....



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Have healthy hogs—free from disorders. This is the natural result if you give them this tried and tested, old reliable Barber's hog powder. Expels worms—regulates the bowels. Keeps hogs in normal condition. Sweetens the stomach. Stimulates the digestive juices, thereby enabling the organs to assimilate more of the nutriment of the grain.

### Barber's Hog Powder

The great blood purifier. Composed of pure, dried, drugs. Concentrated and full of health-giving strength. Only best ingredients used in its composition. Won't congeal nor harden. Successful hog raisers everywhere recommend this efficient powder.

Write for particulars and price.

BARBER MEDICINE CO., DEPT. A, 315 WESTPORT AVE., KANSAS CITY, MISSOURI.  
ALL QUALITY—NO PREMIUMS

### Just Read This!

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Dear Sirs:—I have fed Barber's Hog Powder for about 15 months. Consider it superior to anything of the kind I have ever fed. I have fed several different kinds. I keep it before my hogs all of the time. It sure keeps them free from worms and in good condition, and it is not expensive, as they only eat a small amount of it.  
Yours very truly,  
E. D. FRAZIER.  
Breeder of BIG TYPE POLAND-CHINAS.

Be sure it's BARBER'S that's all you need to know about Hog Powder.

## 12 Flowering Shrubs



The Largest and Most Magnificent Collection ever Offered. One year size, they will bloom the same year planted and every year after, surrounding your home with a fragrant sea of ever-changing fragrant bloom. This beautiful collection is

### The Farmers Mail and Breeze's Gift to You

The shrubs we send you are about a foot high, the best size to plant. They grow rapidly, increasing in beauty from year to year, attaining in a short time the following size:

Golden Bell. Very tall and beautiful. 12 to 16 ft.  
Barberry. Neat, dense and spherical. 4 to 5 ft.  
Deutzia. Profuse, showy double bloomers. 6 to 8 ft.  
Sweet Shrub. Quick growers, spicily fragrant. 4 to 5 ft.  
Snowball. Stately and imposing. 6 to 8 ft.  
Rose of Sharon. Heavy variegated bloom. 10 to 12 ft.

### Nine Months of Fragrant Flowers in Every Year

Your home will be surrounded by a bower of fragrant flowers all the year, except for a few months in the winter. Very early in the year, even before the snow is gone, the Golden Bells are covered with rich golden flowers. Shortly afterward the Barberry blazes out in a mass of canary, quickly followed by the delicate yet massive rose blooms of the Deutzias. Midsummer brings the rich chocolate red flowers of the Sweet Shrubs, which bloom at intervals until snow. Then the Snowballs, with their stately white flowers and finally the luxuriant bloom of the Rose of Sharon is added to the scene. Even when winter's icy touch banishes the flowers, the brilliant red and yellow, brown and gold of the foliage, and the red berries of the Barberry (which remain through the winter) remind us that in but a few short months the flowers will return in greater beauty.

### Our "12 Shrub" Offer

We will send this collection of Twelve Hardy Shrubs, Postpaid, as a Premium with a One-Year Subscription to FARMERS MAIL AND BREEZE at \$1.00 and 30 cents additional, or \$1.30 in all. This covers all charges, for both the magazine and the Shrubs.  
CUT THIS AD OUT, write your name and address below, and send with \$1.30 to

Farmers Mail and Breeze, Dept. Topeka, Kan.  
Gentlemen:—I enclose \$1.30 for FARMERS MAIL AND BREEZE One Year and the 12 SHRUBS as listed in this ad, all charges paid.

Name.....

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Please Check whether a NEW ( ) or a RENEWAL ( ) subscription.

### Our 12 Shrub Collection

This big collection consists of these hardy one-year shrubs:

2 Golden Bell (Forsythia)  
2 Thunberg's Barberry  
2 Deutzias  
2 Sweet Shrub (Cal'thus)  
2 Snowball Hydrangeas  
2 Rose of Sharon

They are securely packed, and sent to you Postpaid, with full instructions for planting.

## TOM McNEAL'S ANSWERS

What qualifications are required for a city of the first class? Of the second class? Of the third class?  
Axtell, Kan. J. H. C.

A city of the first class must have more than 15,000 population. When an enumeration taken either under the provisions of a Federal or state law shows that fact the governor must declare it a city of the first class. A city of the second class must contain more than 2,000 and not more than 15,000 inhabitants, to be ascertained in the same manner as in cases of cities of the first class. When this fact is established the governor must declare it a city of the second class. A city of the third class must have to exceed 200 inhabitants and not more than 2,000. A petition setting forth the metes and bounds of the city of the third class and the number of inhabitants, showing the number to be in excess of 200 and not to exceed 2,000, is presented to the board of county commissioners who call an election at which the qualified voters living within the metes and bounds of the proposed city decide for themselves whether they will be incorporated.

### Once More, the Fence.

If the owner of a farm wants to see his land sheep tight and builds such a fence on his part of the dividing line where there is an agreement between land owners as to division of line fence, can he compel owner of adjoining farm to build his half of division line fence sheep tight?

SUBSCRIBER.

I am not sure that I understand your question. If the agreement between the adjoining landowners simply consisted of an understanding that each should build half of the division fence and one party, we will say, shall build the west half, or the north half, as the case may be, while the other party shall build the east half or the south half, depending on the direction of the dividing line, then the sheepgrower could not compel his neighbor to build a sheeptight fence, as there is no such thing known to our statute as a sheeptight fence. Of course if there is an agreement between the landowners that each will build a particular kind of fence that contract could be enforced without regard to the law governing fences in Kansas. But in the absence of any special contract or agreement the neighbor could be compelled only to build a lawful fence as provided by statute.

### The Wheat Contract.

If A contracts his wheat to B for a certain price, the wheat to be delivered by a certain time; and if A cannot get time to haul the wheat and the time has expired, can B hold A for the wheat? A explained to B that he was very busy and asked for more time, but B said the contract holds good only until the first. As wheat has gone up can B still hold A to contract?

X. Y. Z.

Apparently from your statement the failure of A to deliver the wheat according to contract was thru no fault of B, and B certainly should not be required to suffer loss thru the failure of A to fulfill his part of the agreement. If the price of wheat had dropped instead of risen in price and B had, for lack of storage room, been unable to receive the wheat on the date contracted for delivery A certainly would have objected to delivering it at a later date and a smaller price. From your statement of the facts as I understand them, B can hold A to the terms of his contract so far as price is concerned unless he abrogated the contract. If he said to A, "You must deliver the wheat by the first or the bargain is off" that would amount to an abrogation of the contract and A would be no longer bound.

### How Will It Be Divided?

A man living in Nebraska married and had two children by his first wife. She died and he remarried but had no children by the second wife. He died. What part of his estate belongs to his heirs respectively? If the man's second wife was a widow and had children can these children get part of this estate? Can the estate, consisting of livestock and farm machinery, be invoiced before marriage?

READER.

I have no copy of the Nebraska statutes, but believe the law is substantially the same as in Kansas. If so this question has been answered a good many times before in this column. Assuming that he dies without will the living wife would inherit half and his children the other half of his property. The second wife's children by a former marriage could inherit only thru their mother. They would inherit nothing from their stepfather. I know of no reason why

the livestock and farm implements could not be invoiced or inventoried before the marriage of the owner, tho I suspect that is not really what the questioner wants to know. But as I do not know what he does mean by the question I let it go at that.

### Ditch Thru His Land.

Is there any law in Kansas prohibiting my making a ditch thru my farm to carry the water in times of freshets, providing I do not change the inlet or outlet of it?  
Valley Center, Kan. M. F. PETERS.

No.

### Another Case of Inheritance.

My brother, at the time of his death, was a resident of Kansas. He left two pieces of property and no will. He has a wife living but no other heirs. In what way could his heirs obtain half of his estate?

B. W. P.

His wife inherits all of his property.

### Overseer's Salary.

You say that the compensation of a road overseer is \$2 a day. I wish to call your attention to chapter 290, laws 1915, which reads: "and such overseers shall receive a salary of two dollars and fifty cents per day."

Lawrence, Kan.

A. A. H.

### Right to Second Filing.

I filed on a homestead but it was contested and lost and I never received a dollar out of it. Can I file on another homestead?

J. C. C.

Yes, if you lost your first homestead thru no fault of yours.

### Will the Stepchildren Inherit?

A man with children by a first wife remarries. The second wife is possessed of land and money. In case the husband dies before she does, will his children by his first wife inherit any of the second wife's estate?

W. S.

No.

### Who Gets the Property?

A man has some real estate before marriage and has acquired more since. If either man or wife dies, who gets the property? Both have parents and brothers and sisters living. There are no children.

SUBSCRIBER.

The entire estate would go to the survivor in case the deceased died without will.

### Lien for Labor.

What is the law in regard to leaving a watch with a jeweler for repairs? The person leaving the watch moves away and leaves no order with the jeweler in regard to the watch. Has the jeweler a legal right to sell the watch for the repairs? If so how long does he have to keep it?

Mildred, Kan.

SUBSCRIBER.

The jeweler has a lien on the watch. If his bill is not paid in six months he may sell the watch.

### Soldiers' Homestead Right.

My grandfather was a soldier in the Civil War. About a month ago my father received a letter from a lawyer in Washington, D. C., wanting to buy the right of my dead grandfather to take a homestead, offering \$50 for it. Would you advise father to sell? If he keeps it could he prove up on a homestead by using my grandfather's right? Where would be the best place to take a claim?

Robinson, Kan.

I would advise taking the \$50. Perhaps the best lands still open to homestead entry are in Colorado.

### Insurance Policy.

A lives in Oklahoma but his property joins Kansas. The Oklahoma law is such that an insurance company cannot write insurance for less than \$250 a hundred. Can A insure in a Kansas company for a lower rate, and if the company accepts policy fees and issues policy would the company be bound, the same as if A lived in Kansas?

G. S.

Yes. The contract would, however, be a Kansas contract and enforceable in Kansas.

### Fence in the Road.

Can a man set his fence out in the road and leave it within 15 feet of the center stone for three years?

Kingman, Kan.

BILL.

He has no legal right to set his fence out in a regularly laid out highway, but I gather from your letter that he has done so. Why not call the attention of the township highway commissioners to the matter?

### Question of Citizenship.

A young American girl marries a Canadian of English parentage. He has taken out his first naturalization papers but is not well enough educated for the final papers, but is attending night school in preparation. Is the wife an American citizen? Are the wives of foreigners, altho living in the United States, allowed to vote?

H. H. S.

The young American wife is still a citizen of this country. Your second question is indefinite. If the home of the foreigner is in the United States and his wife is otherwise qualified for citizenship she can vote, provided of course she lives in a state where women are permitted to vote. If her husband's home is in a foreign country and she is only staying in this country temporarily she would not be permitted to vote.



## Be Your Own Barber

### This Trimmer Will Save You Money

This Surprise Hair Trimmer is a money-saver; practical, neat, compact and durable. There is nothing to get out of order. Always ready. No waiting and wasting of time waiting your turn at the barber shop.

### Everybody Can Use It Experience Not Necessary

You do not need to be an expert to use this trimmer. You simply dampen the hair and then use the tool as a comb as shown in illustration. Full directions how to use this money-saver accompanies each trimmer. It is full nickel plated, and comes packed in neat plush lined case. We have a limited supply and while they last we will send them to readers on the most liberal plan ever offered.

**OUR FREE OFFER** We will send this surprise Hair Trimmer free and postpaid to all who send us two one-year subscriptions to Capper's Weekly at 50c each or for one two-year subscription at \$1.00. Send the subscriptions and get yours today.  
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DEPT. H. T. 4 TOPEKA, KANSAS



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## 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.

Feb. 26 to Mar. 3—F. S. Kirk, Mgr., Wichita, Kan.

## Percheron Horses.

Feb. 22—G. W. Overly, McCune, Kan.  
Feb. 22-23—Nebraska Pure Bred Horse Breeders' Association, sale at Lincoln, Neb.  
C. F. Way, Sec.-Treas., Lincoln, Neb.

## Draft Horses.

March 9—W. T. Judy & Sons, Kearney, Neb.

## Jacks and Jennets.

Feb. 22—M. H. Roller & Son and Bruce Saunders, Holton, Kan.  
Feb. 22—G. W. Overly, McCune, Kan.  
Feb. 24—Cornelius McNulty, Morrowville, Kan. Sale at Concordia, Kan.  
Mar. 13—Hineman & Sons, Dighton, Kan.  
Mar. 15—L. M. Monsees & Sons, Smithton, Mo. Sale at Missouri State Fair grounds, Sedalia.  
March 16—G. M. Scott, Rea, Mo. Sale at Savannah, Mo.

## Hereford Cattle.

Feb. 22—C. F. Behrent, Norton, Kan.  
Mar. 3—Combination sale, Manhattan, Kan.  
Prof. W. A. Cochel, Manhattan, Kan., Mgr.

## Holstein Cattle.

Feb. 21—A. L. Fellows and H. L. Kinman, Clay Center, Kan.  
Feb. 21—Nebraska Holstein Breeders' Consignment sale, South Omaha. Dwight Williams, Sales Manager, 4110 Davenport St., Omaha, Neb.

## Jersey Cattle.

Mar. 8—F. J. Scherman, Route 8, Topeka, Kan.

## Shorthorn Cattle.

March 13—Blank Brothers & Kleen, Franklin, Neb. Sale at Hastings, Neb.  
March 14-15—Highline Shorthorn Breeders' Ass'n, Farnam, Neb. E. W. Crossgrove, Mgr., Farnam, Neb.  
March 14-15—Breeders' Consignment sale, South Omaha, Neb. J. C. Price, Lincoln, Neb., Mgr.  
March 28—F. A. Egger, Roca, Neb.  
Mar. 30—H. C. McKelvie, Lincoln, Neb., Mgr. Combination sale at South Omaha.

## Polled Durham Cattle.

March 9—W. T. Judy & Sons, Kearney, Neb.  
Mar. 29—H. C. McKelvie, Lincoln, Neb., Mgr. Combination sale at South Omaha.

## Poland China Hogs.

Feb. 19—Austin Smith, Dwight, Kan.  
Feb. 19—C. Lionberger, Humboldt, Neb.  
Feb. 21—O. B. Clemetson, Holton, Kan.  
Feb. 22—A. J. Erhart & Sons, Ness City, Kan. Sale at Hutchinson, Kan.  
Feb. 23—Olivier & Sons, Danville, Kan.  
Feb. 22—C. F. Behrent, Norton, Kan.  
Feb. 27—Von Forell Brothers, Chester, Neb.  
Feb. 28—Clarence Dean, Weston, Mo.; sale at Dearborn, Mo.  
Feb. 28—John Naiman, Alexandria, Neb.; sale at Fairbury, Neb.  
Feb. 28—Agricultural College, Manhattan, Kan.  
April 25—Fred G. Laptad, Lawrence, Kan.

## Duroc-Jersey Hogs.

Feb. 19—Searle & Cottle, Berryton, Kan.  
Feb. 20—C. B. Clark, Thompson, Neb. Sale at Fairbury, Neb.  
Feb. 28—Agricultural College, Manhattan, Kan.  
March 9—W. T. Judy & Sons, Kearney, Neb.  
Mar. 14—G. C. Norman, Winfield, Kan.  
March 15—W. T. McBride, Parker, Kan.  
Mar. 29—W. W. Otey & Sons, Winfield, Kan.  
April 25—Fred G. Laptad, Lawrence, Kan.

## Hampshire Hogs.

Feb. 26—A. H. Lindgren, Jansen, Neb.; sale at Fairbury, Neb.  
Feb. 27—Carl Schroeder, Avoca, Neb.

## Chester White Hogs.

Feb. 23—Henry Fehner, Higginsville, Mo.  
Mar. 8—F. J. Scherman, Route 8, Topeka, Kan.

## S. W. Kansas and Oklahoma

BY A. B. HUNTER.

J. F. Graham of Marlow, Okla., one of the biggest oil operators in the Southwest, is also a breeder of high class Shorthorn cattle. In laying the foundation for his herd he selected the most popular blood lines and highest class individuals. Recently he bought from H. C. Lookabaugh of Watonga, Okla., the splendid young red bull Lovely's Avondale, sired by Avondale Choice and out of Lovely 6th.—Advertisement.

## Purebred Sales at Wichita.

Beginning February 26 there will be a five days' sale of purebred stock at Wichita, Kan. In addition to the sale there will be a big livestock show under the auspices of the Kansas National Livestock Show association. The best breeders in the country are showing and contributing breeding stock to these sales. The sales are under the personal management of F. S. Kirk and interested readers should write him for any information concerning the sales or for catalog.—Advertisement.

## Kentucky Jacks to Kansas.

E. P. Maggard, Poplar Plains, Ky., has just returned to Newton, Kan., with another carload of big, sound, serviceable jacks which he claims are the best load he has ever shipped from Kentucky to Kansas. Mr. Maggard is successor to the firm of Saunders & Maggard. Mr. Maggard has been

bringing jacks by the carload to Kansas since 1879. His previous customers are the most willing to depend on his judgment and recommendations. His guarantee is equal to a bond and whatever he tells you regarding any animal offered can be absolutely relied upon. If you want a good jack you should arrange to see this load at once. Read the display ad in this issue and write today for a private sale catalog giving detailed description of each jack, in this carload. Please mention Farmers Mail and Breeze.—Advertisement.

## Erhart &amp; Sons' Poland China Sale.

A. J. Erhart & Sons, Ness City, Kan., will offer at auction at Hutchinson State fair grounds pavilion, February 22, one of the greatest offerings of large type Poland Chinas ever sold in Kansas. His last year's sale at Hutchinson attracted much attention and was the most successful sale of the year. This herd had made much hog history for Kansas and the whole Southwest as its prize winners at the various fairs show. If you want prize winning blood in your herd that will give you a leverage on sales, if you want the kind of Poland Chinas that will grow large and still have quality, if you want to raise a herd boar that will add size and quality to the hogs you now have, be at this sale February 22. This is a sale that will not disappoint you if you are looking for the best. Write today for catalog, mentioning Farmers Mail and Breeze.—Advertisement.

## N. Kansas, S. Nebr. and Ia.

BY JOHN W. JOHNSON.

Austin Smith's big dispersion sale of Poland China bred sows and gilts at Dwight, Kan., is next Monday, February 19. Attend this sale if you want to buy choice sows and gilts or a herd boar that is right every way. If you can't come send bids to J. W. Johnson, care of Austin Smith, Dwight, Kan. Write at once or wire.—Advertisement.

Andrew Kosar, Delphos, Kan., is offering for sale a few Poland China bred gilts, some extra good June and July boars and an outstanding February boar. Mr. Kosar is having a splendid trade on his Poland Chinas. Recently he shipped four head to Texas. Note his ad in this issue and if interested write him, mentioning Farmers Mail and Breeze.—Advertisement.

In this issue of the Farmers Mail and Breeze in the Poland China section will be found the advertisement of F. C. Swiercinsky's annual Poland China sale which will be held at his farm near Belleville, Kan., Friday, February 23. Bred sows and gilts will be sold and some registered Shorthorn yearling bulls and heifers. Write F. C. Swiercinsky, Belleville, Kan., for further information and the catalog.—Advertisement.

C. F. Behrent will sell Hereford cattle and Poland China hogs at his farm near Oronoque, Kan., Thursday, February 22. The offering will include 10 bulls, 25 high grade cows and 20 registered Poland China hogs. This is a high class offering of breeding stock and is worthy of the attention of anyone interested in these breeds. For further information about the offering see the display ad in this issue and if interested arrange to attend the sale.—Advertisement.

A. G. Cook, Luray, Kan., is a well known breeder of O. I. C. hogs at that place and his advertisement can be found in the Farmers Mail and Breeze the year round. At present he is pretty well sold out but has a good year old boar, a few July boars and two gilts same age. Also some fall pigs for sale. Write and get prices and descriptions. Mr. Cook is perfectly reliable and his hogs are carefully handled and choice.—Advertisement.

## Johnson's Large Type Polands.

V. O. Johnson, Aulne, Kan., breeds large type Poland Chinas. His herd boars are from the best herds of the north and carry the blood of the most noted sires; in his herd are a number of sows that are not only extremely large but would be likely competitors for state fair honors. Mr. Johnson has a few boars and bred gilts and sows that he can spare. His hogs are all immune and his prices are reasonable and he guarantees satisfaction. If you want the best write or call and make your selection soon.—Advertisement.

## Bonnie View Stock Farm Sale.

On Monday, February 19, Searle & Cottle, Berryton, Kan., proprietors of the Bonnie View Stock Farm, will hold a sale of Holstein cattle and Duroc Jersey hogs. There will be a number of registered and high grade Holsteins including their herd bull Trojan Tritornia. The cows of breeding

## Farmers Mail and Breeze Pays Advertisers

Farmers Mail and Breeze, Topeka, Kan. Gentlemen—Sold all my spring boars, also open and bred sows and gilts; could have sold many more, but all sold out. Yours very truly.—D. O. Bancroft, Breeder of Durocs, Downs, Kan., April 7, 1916.

Farmers Mail and Breeze, Topeka, Kan. Gentlemen—I have sold the herd bull, Good Light. Be kind enough to stop the ad and send the bill. Yours very truly.—A. H. Cooper, Breeder of Shorthorns, Natoma, Kan., Jan. 12, 1917.

## 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.

## MULE FOOT HOGS.

200 Immune Mulefoot Hogs, all ages, sired by plon males. Hereford Cattle. Catalog free. C. M. Thompson, Letts, Ind.

**FARMERS MAIL & BREEZE**  
ENGRAVING DEPARTMENT  
TOPEKA, KANSAS  
CUTS OF YOUR LIVESTOCK FOR LETTERHEADS & SALE CATALOGS

## POLAND CHINA HOGS.

**BIG TYPE POLANDS**  
Fall boars. Satisfaction guaranteed. Write for prices. JULIUS RAHE, Winkler, Kan.

**Fashionable Stock Place**  
Breeding stock for sale. Immune. Satisfaction guaranteed. V. O. JOHNSON, AULNE, KANSAS.

**Albright's Private Sale**  
Of more quality, big type Poland China bred gilts and Sep. pigs, either sex, is now on. You can't beat them. Write today for prices. A. L. ALBRIGHT, WATERTVILLE, KAN.

**FAIRVIEW POLAND CHINAS**  
Full values offered in 50 fall pigs, sired by Miami Chief and Ware's Blue Valley. For prices and description, address  
P. L. WARE & SON, PAOLA, KANSAS

**Outstanding Poland Chinas**  
A few wonderful fall boars and gilts, great herd stock or great to fit for next fall shows. They are the best big type breeding. Prices reasonable and satisfaction guaranteed. Address  
JOE YOUNG, Richards, Mo. JOE SHEEHY.

**Poland Chinas**  
Spring and summer pigs.  
Sired by Jupiter, Champion of three states. ENGLEMAN STOCK FARM, Fredonia, Kan.

**Early Fall Boars and Gilts**  
Bred gilts all sold. One spring boar. Extra good. All immune. Ask today.  
W. A. McINTOSH, COURTLAND, KANSAS

**Private Sale**  
A few bred gilts, some fine June and July boars and one extra good February boar by Hercules 2d out of Helene Again. Price right. Pedigree with each pig.  
ANDREW KOSAR, DELPHOS, KAN.

**ERHART'S BIG POLANDS**  
Home of more prize winners than any herd in the West, headed by the grand champion Big Hadley Jr.; large, roomy, prolific sows. Am pricing the grand champion boar Robidoux; also special prices on fall and spring boars. A number of herd headers among them priced for quick sale.  
A. J. ERHART & SONS, Ness City, Kan.

**As Good As Grows**  
Comparison with other herds most earnestly invited. Smooth, Extra Smooth Price and Extra Smooth Price 2nd, herd boars at the top. History makers.  
L. C. Walbridge, Russell, Kansas

**Immune Bred Sows and Gilts**  
30 extra choice ones, mostly bred to the great young boar, NEBRASKA WONDER KING, grandson of the 1100 lb. King of Wonders. I am making very attractive prices and will ship on approval. Also 125 fall pigs at low figure, can furnish pairs not related.  
**Plainview Hog and Seed Farm**  
Frank J. Rist, Prop., Box 11, Humboldt, Neb.

**Freedom Stock Farm**  
**Big Type Brood Sow Sale**  
on the farm near  
Belleville, Kan., Feb. 23  
26 Poland China gilts of last February and March farrow, bred to farrow in April and May. All bred to King's Rival 77919, by Smith's Long King, by Long King's Best. The 1000-pound kind. Also 6 spring boars and one outstanding fall yearling boar, by Bob Orange.  
2 Shorthorn bulls coming 1 year old, 2 Short-horn heifers, coming 2 year olds, in calf.  
All hogs vaccinated. Write for catalog.  
**F. C. Swiercinsky, BELLEVILLE, KANSAS**  
Auctioneer—Col. John Brennan.

## LIVESTOCK AUCTIONEERS.

**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.

**W. H. Fisher, White City, Kan.** Pure bred stock sales. Write, Wire or Phone. Address as above.

**Lafe Burger, Wellington, Kan.** LIVESTOCK Ask any Breeder. Write or wire as above.

**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.**

## JACKS AND JENNETS.

**For Sale or Trade**  
One black Mammoth jack, black with mealy points; 15 hands high, weight 900 lbs. Will sell cheap. Address L. R. TRANER, COUNCIL GROVE, KANSAS

## DUROC-JERSEY HOGS.

**HIRSCHLER'S DUROCS** Best of breeding. Spring boars ready for service. Gilts bred or open. Priced for quick sale. Write today. E. L. HIRSCHLER, HALSTEAD, KANSAS

**Bancroft's Durocs**  
Guaranteed Immune. Ten choice September boars. D. O. BANCROFT, OSBORNE, KANSAS.

**Duroc-Jersey** gilts, bred for Mar. and Apr. farrow, to a good son of Critic B, and a grandson of Perfect Col.; May boars. Fall pigs either sex. R. T. and W. J. Garrett, Steele City, Nebraska

**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, Crimson Wonder and Golden Mod. el breeding. JOHN A. REED & SONS, Lyons, Kansas

**Private Sale, Boars and Gilts**  
A choice lot of fall pigs, either sex. Also one of my herd boars. Priced to sell. Address  
**A. E. Sisco, R.R. 2, Topeka, Kansas**

**Immune Duroc Boars**  
Herd header to farmer's kind, bred close to grand champions on both sire and dam side. Prices reasonable and satisfaction guaranteed. Write today. G. B. Woodell, Winfield, Ks.

**Duroc-Jerseys**  
Johnson Workman, Russell, Kansas

**TRUMBO'S DUROCS**  
Bred gilts all sold; a few fall boar pigs all immune. Price \$15. Satisfaction guaranteed. Write today. WESLEY W. TRUMBO, PEABODY, KAN.

**Choice Duroc Gilts, Bred**  
30 spring gilts, bred to Illustration II Jr., for March and April farrow. These are sired by Crimson Wonder, Agaln Jr., G. M.'s Crimson Wonder or G. M.'s Defender. The best lot I have ever raised. Priced to sell. G. M. SHEPHERD, LYONS, KANSAS.

**Bonnie View Stock Farm**  
**Duroc Jerseys and Holsteins**  
PUBLIC SALE FEBRUARY 19th.  
20 Holsteins and 15 bred Sows. Write for catalog.  
SEARLE & COTTLE, BERRYTON, KANSAS.

**DUROC-JERSEY BOARS ON APPROVAL**  
15 spring and fall yearlings ready for hard service. \$30 to \$40. Shipped to you before you pay. Fully guaranteed. I've got one for you.  
GEO. W. SCHWAB, CLAY CENTER, NEBRASKA.

## HAMPSHIRE HOGS.

**PUREBRED HAMPSHIRE PIGS** from tried sires. The best blood lines. R. T. WRIGHT, Grantville, Kan.

**REGISTERED HAMPSHIRE** 150 gilts and 40 boars, all ages. Cholera immunized. Satisfaction guaranteed. C. E. LOWRY, Oxford, Kan.

**Shaw's Hampshires**  
150 registered Hampshires, nicely belted, all immune, double treatment. Service boars and bred gilts. Satisfaction guaranteed.  
Walter Shaw, R. 9, Wichita, Kan.

## BERKSHIRE HOGS.

**BERKSHIRE PIGS** Best of Breeding. Big type English. Either sex, \$15 each. Crated and papers furnished. R. J. LINSOTT, HOLTON, KANSAS

**Hereford and Poland China SALE**

**At Farm Near Oronoque, Kansas THURSDAY, FEB. 22.**

10 Registered Bulls in age from ten to sixteen months, sired by Principal 17th, Mischief Mixer and Choice Good, one of the Mousel stock bulls.

25 High Grade Hereford Cows with calves at foot and bred to the recorded bull Grover Mischief. 10 yearling heifers and some steers and calves four to ten months old.

20 Registered Poland China bred gilts and a few boars, sired by Blue Valley Look and Big King.

5 big Draft HORSES and 50 bushels of SEED CORN.

Write now for catalog and mention Farmers Mail and Breeze.

**CARL F. BEHRENT,**  
ORONOQUE, (Norton Co.) KANSAS  
Jas. T. McCulloch, Auctioneer.  
J. W. Johnson, Fieldman.







**CHESTER WHITE AND O. I. C. HOGS.**  
**CHESTER WHITE HOGS** Fashionable breeding.  
 Prices reasonable. E. E. SMILEY, PERTH, KAN.

**For Sale, O. I. C's.** A few service boars, July  
 sired by Don Ben 2nd and Sweepstakes.  
 for quick sale. A. G. COOK, LURAY, KANSAS.

**EXTRA GOOD O. I. C. BOARS** 100 to 150 lbs.  
 breeding. Harry W. Haynes, Grantville, Kansas

**O. I. C. Summer Boars**  
 and fall pigs, at very reason-  
 able prices, to make  
 room for my spring pigs.  
**F. C. GOOKIN, Russell, Kansas**

**Edgewood Farm Herd Chester Whites**  
 Spring boars with length, size, bone and quality  
 sired by Don Ben 2nd and Sweepstakes.  
**HENRY MURR, Tonganoxie, Kan.**

**FEHNER'S O. I. C.** Herd headed by the  
 \$500 Eagle Archie  
 first prize aged boar  
 at Sedalia, 1916. We offer 100 selected spring pigs, a number  
 by a son of Eagle Archie, every one immune and shipped  
 on 10 days' approval. Henry Fehner, Higginville, Mo.

**SILVER LEAF O. I. C's.**  
 Am sold out of everything but August boars. They  
 are fine, of the best of breeding and priced cheap for  
 quick sale. Will ship them on approval. Write for de-  
 scription. C. A. Cary, Route 1, Mound Valley, Kan.

**"PREPAREDNESS"**  
 Get ready for your 1917 pig crop. Large, heavy-boned, early-  
 maturing type of O. I. C. Rich in champion and grand cham-  
 pion blood lines. All ages (either sex) for sale at all times.  
 Satisfaction guaranteed. F. J. Greiner, Box B, Billings, Mo.  
 Breed O. I. C.

**Kansas Herd of CHESTER WHITES**  
 All bred stuff sold to Capper Pig Club  
 Boys. Fall pigs for sale. K. I. C. Hogs.  
**ARTHUR MOSSE, LEAVENWORTH, KAN.**

**CHESTER WHITE PIGS SHIPPED C. O. D.**  
 I am booking orders for spring pigs sired by prize  
 winners. Free, 24 page catalog with photos. Also the  
 difference between Chester Whites and O. I. C's. My  
 herd boars, a prize winner, for sale.  
 Henry Wiemers, Diller, (Jefferson Co.) Neb.

**BREED THE BEST**

There is One Best  
 can be but  
 Why lose profits breeding  
 and feeding scrub hogs?  
 Two of our Famous  
**O. I. C. HOGS**  
 weighed 2806 lbs.

Will ship you sample pair of these  
 famous hogs on time and give agency for  
 first applicant. We are originators, most  
 extensive breeders and shippers of pure  
 bred hogs in the world. All foreign ship-  
 ments.

**U. S. Gov't Inspected**  
 We have bred O. I. C. Hogs for 63  
 years and have never lost a hog  
 with cholera or any other  
 contagious disease.

Write today  
 for Free Book,  
 "The Hog from Birth to  
 Sale" also True History of  
 the Origin of the O. I. C.

**THE L. B. SILVER CO.**  
 568 Heights Temple Bldg. Cleveland, Ohio

**ABERDEEN ANGUS CATTLE.**  
**ANGUS CATTLE** 150 young bulls  
 and heifers  
 ready to ship.  
**Berkshire Hogs**  
**SUTTON & PORTEOUS, Lawrence, Kan.**

**Aberdeen Angus Cattle**  
 Herdheaded by Louis of View-  
 point 4th, 150024, half brother  
 to the Champion cow of America.  
**Johnson Workman, Russell, Kan.**

**FOR QUICK SALE**  
 43 high grade cows, 4 to 8 years old. 1 high grade bull  
 coming 4. All cows will bring calves. Some with calves  
 at foot now. **FRANK A. VOPAT, LUCAS, KANSAS.**

**17 Angus Bulls**  
 In ages from six to 12 months old.  
 Can ship over Santa Fe, Union Pa-  
 cific and Rock Island. Will sell some  
 cows and heifers. Address,  
**H. L. Knisley & Son**  
 Talmage, Kan. (Dickinson Co.)

**15 Registered**  
**ANGUS BULLS**  
 Age 8 to 12 months, also my four year  
 old herd bull, Embree, No. 167382. Also  
 cleaned Sudan grass seed for sale.  
**W. L. Maddox, Hazelton, Kan.**

**SHORTHORN CATTLE.**  
**ELMENDALE SHORTHORNS**  
 100 big, rugged bulls, suitable for herd headers, or  
 farm and range use. 50 females of different ages.  
 These cattle are especially good and the prices at-  
 tractive. Address Elmenale Farms, Fairbury, Neb.

good buyers were Fred Lee, Hebron; H. F.  
 Wagner, Deshler; J. T. Smith, Superior;  
 J. F. Lee, Nelson; John Howey, Republican  
 City; Von Forell Brothers, Chester; R. Miller  
 & Sons, Chester; W. J. McNeel, Republican  
 City. Col. A. W. Thompson was the auc-  
 tioneer.—Advertisement.

**Nebraska Hampshire Sales.**  
 Readers of this paper that are interested  
 in Hampshire hogs should note the two big  
 sales to be held, one February 26, at Fair-  
 bury and the other the day following at  
 Avoca, Neb. A. J. Lidgren of Jansen is  
 selling at Fairbury and Carl Schroeder of  
 Avoca sells at Avoca. There is absolutely  
 no better breeding known than that in-  
 cluded in these sales. Both sell select offer-  
 ings and our readers that are interested  
 should write at once for catalog and men-  
 tion Farmers Mail and Breeze. Those wish-  
 ing to buy and unable to attend should  
 send bids to Jesse R. or J. W. Johnson in  
 care of parties making sales.—Advertisement.

**Nebraska Horse Breeders' Sale.**  
 A glance at the list of consignors to the  
 Nebraska Horse Breeders' Association's sale  
 reveals the fact that the best known horse  
 breeders in Nebraska are contributing.  
 Among them will be found the names of  
 M. F. Wilson & Son, Lexington; H. L. Cor-  
 nell, Lincoln; D. K. Robertson, Madison;  
 Mrs. Thmas Dorman, Shelby; D. A. Good-  
 rich, Oconto; R. C. Firme, Hastings; C. C.  
 Andrews, Steele City; A. A. Wolf, Brothers,  
 Brady Horse Co., Brady; W. R. E. Han-  
 son, Albion; Ernst & Brock, Columbus; W. E.  
 Jones, Brock; G. L. Collins, Fullerton; Chris  
 Stahly, Milford; H. J. McLaughlin, Doni-  
 phan; George M. Clark, Raymond; H. E.  
 Walter, Juniata, and others. Remember the  
 place and date. Fair grounds, Lincoln, Neb.,  
 February 22-23. This will be the big horse  
 event of the West this year.—Advertisement.

**Champion Draft Horses for Sale.**  
 Woods Bros. Co., Lincoln, Neb., are offer-  
 ing for sale all of their champion and prize-  
 winning Percheron, Belgian and Shire stal-  
 lions at the recent Denver show and the  
 Nebraska and Kansas State fairs. The fact  
 that the Woods Bros.' entries at these shows  
 won a total of 25 championships, 40 first,  
 22 second and 14 third prizes leaves little  
 to be said in reference to the high char-  
 acter of their horses. They have 70 stallions  
 of the three breeds, coming 2 and 3-year-  
 olds and older, of similar type, quality and  
 value as their prize winners and it should  
 be said to the credit of this firm that a  
 sounder, cleaner collection of draft horses  
 was never seen in one barn. This company  
 invites a careful inspection of their stallions  
 and they quote prices and offer terms and  
 guarantee that will appeal to stallion buyers.  
 Write for particulars and mention the Farm-  
 ers Mail and Breeze.—Advertisement.

**Great Poland China Offering.**  
 One of the last Poland China bred sow  
 sales of the season and at the same time  
 one of the very best will be the Von Forell  
 sale to be held at the farm near Chester,  
 Neb., Tuesday, February 27. This is the  
 first annual sale of bred sows to be made  
 by this firm and so determined are the  
 brothers to have a creditable offering that  
 they have gone into their herd and cataloged  
 sows that should remain in the herd. These  
 sows all raised big litters the past season  
 and gilts from these litters make up the  
 gilt offering for the sale. These gilts will  
 be bred to Jumbo Bob, sired by Caldwell's  
 Big Bob, that won grand championship at  
 Kansas State Fair, and first and junior  
 championship at National swine show. The  
 sows and gilts are in-pig to Orphan Suro  
 and Crescent Jumbo, boars exceptionally well  
 bred along big type lines. Crescent Jumbo  
 was sired by McGath's Big Jumbo, that cost  
 Tom Miller \$650. The dam of Crescent  
 Jumbo was Crescent, a daughter of Big  
 Price. Write at once for catalog of this  
 sale and plan to attend or send bids, in care  
 of Von Forell Brothers, to Jesse Johnson.—  
 Advertisement.

**Naiman's Big Sale at Fairbury.**  
 John L. Naiman, Alexandria, Neb., will  
 hold his big annual sale of Poland China  
 immune bred sows in Smith's sale pavilion  
 at Fairbury, Neb., February 28. This will  
 be one of the few sales of the winter com-  
 posed entirely of tried sows and fall year-  
 lings. About half of them will be bred to  
 his new boar, Long Shot, a winner at Ne-  
 braska State fair. He is a son of Willey's  
 great breeding boar, Big Bone's Son, and  
 his dam was Queen Ann 3d. The remainder  
 of the offering will be bred to Mr. Naiman's  
 older boar, Combination Hadley, first in  
 class at the Jefferson county stock show  
 the past season. Mr. Naiman also won at  
 the Thayer county fair, first, second and  
 third on pigs under 6 months sired by Com-  
 bination Hadley. Over half of the offering  
 were sired by Naiman's A Wonder, a grand-  
 son of old A Wonder. The gilts cataloged  
 have lots of stretch and good high backs.  
 Write at once for catalog of this sale and  
 plan to attend. When writing mention this  
 paper. Parties unable to attend should send  
 bids to Jesse Johnson in Mr. Naiman's care  
 at Fairbury, Neb.—Advertisement.

**Proett-Nachtigall's Good Sale.**  
 The Proett and Nachtigall postponed  
 Duroc Jersey sale held at Alexandria, Neb.,  
 February 10, while not what it should have  
 been held as advertised, was in every way  
 a success. The entire offerings of both  
 herds sold for a general average of \$80.50.  
 Fred Hobelman of Deshler, Neb., topped the  
 sale at \$135, buying an outstanding fall gilt  
 sired by Big Lincoln Valley Chief and bred  
 to Top Col's Charmer. This was one of the  
 largest gilts of the breed ever sold in a  
 Nebraska sale. Glen Keesecker of Wash-  
 ington, Kan., was the contending bidder.  
 Herman Lanitz of Herman, Mo., bought a  
 tried sow at \$120 and Proett Brothers of  
 Alexandria, bought the tried sow Medium  
 Defender, bred to Big Lincoln Valley  
 Chief, paying \$100 for her. A. Marley of  
 Davenport made one of the best buys of the  
 day, securing the tried sow sired by Col.  
 Sensation and bred to Big Lincoln Valley  
 Chief, at \$90. Other good buyers were  
 Amel Reuchert, Deshler, Neb.; C. N. Wolf,  
 Alexandria; J. E. West, Alexandria; E. J.  
 Ealler, Hebron; Guy Zimmerman, Morrow-  
 ville, Kan.; C. B. Clark, Thompson, Neb.;  
 W. B. Shuey, Hebron, and Glen Keesecker,  
 Washington, Kan. Col. W. M. Proett made  
 the sale, assisted by Col. J. H. Barr.—Ad-  
 vertisement.

**Walker Made Great Sale.**  
 T. F. Walker & Son's Poland China bred  
 sow sale at Alexandria, Neb., was one of  
 the big Poland China events of the year.  
 Col. H. S. Duncan faced fully 500 men when  
 he made his opening address. Buyers were

**SHORTHORN CATTLE.**  
**PURE BRED DAIRY SHORTHORNS**  
 Double Marys (pure Bates) and Rose of Sharon families.  
 Offer: 8 year old herd bull, A snap.  
**R. M. ANDERSON, BELOIT, KAN.**

**OUR HERD BULL**  
 Abbottsford Lad 2, 395841, a pure Scotch bull, three  
 years old, deep red, good disposition and a good  
 breeder. We are keeping every heifer he has sired.  
 Priced to sell quick. Also bull calves six to 10 months.  
**Chester A. Chapman, Ellsworth, Kansas**

**Scotch Topped Shorthorn Bulls** For sale  
 9 to 14 months old; from milking dams. Young Mary's  
 and Orange cows of good size and conformation.  
**E. C. SMITH & SON, PLEASANTON, KAN.**  
 Frisco and Mo. P. Railroads.

**Salter's Shorthorns**  
 12 young bulls 6 to 12 months old; Scotch and  
 Scotch topped. These young bulls are by such sires  
 as Woodstock Dale, by Avondale, Silver Hampton and  
 Master of the Dales; also cows and heifers. Scotch,  
 Scotch topped and plain bred in calf to our great herd  
 bulls, but priced so both farmer and breeder can af-  
 ford to buy. Visitors always welcome. Phone Market  
 3705. Address,  
**Park E. Salter, Wichita, Kansas**

**Registered**  
**Shorthorn Bulls**  
 Large, rugged fellows; ages, from 12  
 to 30 months. Nine head; five roans  
 and four reds. Sire, Baron Pride 371007 a  
 2000 pound bull. Satisfaction guaranteed.  
**H. W. ESTES, SITKA, Clark Co., KAN.**

**SHORTHORNS**  
**Private Sale**  
 Seven bulls from eight to fourteen  
 months old. Also cows and heifers. Ship-  
 ping point Wamego. Oldest herd in Pot-  
 tawatomie county. Address  
**W. T. Ferguson, Westmoreland, Kan.**

**SHORTHORNS**  
**Scotch and Scotch Topped**  
 Six bulls from six to 13 months old.  
 Reds and Roans. Sired by Scotch Pride,  
 wt. 2200. Prices reasonable considering  
 breeding and individual merit.  
**E. P. FLANAGAN, CHAPMAN, KANSAS**  
 (Dickinson County)

**Gigstad's**  
**Shorthorns**  
 I offer my three year old herd bull,  
 Golden Lad 410260 (wt. about 2200) for  
 sale. He is dark red, gentle and a good sire.  
 15 young bulls, eight to 11 months old,  
 reds and roans. My bulls and my prices  
 will suit the breeder looking for the kind  
 that build up a herd. Address  
**K. G. GIGSTAD, Lancaster, Kan.**  
 (12 miles from Atchison.) Good R. R. facilities.

**S BALDWIN S**  
**SHORTHORN S**  
 Baby bulls, \$75, registered. Also a good young double standard,  
 service bull for \$150. All bulls guaranteed. Nothing but dark  
 reds. Good milkers and feeders. Bred from prize winners at  
 state fairs. Also some first class baby Duroc boars and gilts  
 at \$15 and \$20, with privilege to return if not satisfactory by  
 paying express one way.  
**R. W. BALDWIN, CONWAY, KAN.**

**Lookabaugh's Shorthorns**  
 6 to 9 Months Time  
 if Desired  
 Satisfaction Guaranteed  
 or Money Refunded.  
 Special attention  
 given the beginner.  
 Three Great Herd  
 Bulls in Service.  
 Fair Acres Sultan,  
 Avondale's Choice  
 and Watonga Search-  
 light.  
**H. C. Lookabaugh, Box A, Watonga, Okla.**

**HEREFORD CATTLE.**  
**Spring Creek Herefords**  
 Some young bulls for sale. Older bulls  
 and females all sold.  
**S. D. SEEVER, SMITH CENTER, KAN.**

**HEREFORD CATTLE**  
**DISPERSION**  
 at private sale. 23 head including the herd bull, Rex  
 488218, three years old and got by Laredo Boy and bred  
 by Carl Miller. Eight cows in their prime of usefulness  
 and bred to Rex. Six yearling and two year old heifers.  
 Three bulls coming two years old. Three bulls that  
 will be yearlings in the spring. Come to Athol, Kan.,  
 and phone us. Address  
**J. A. Tombaugh & Son, Athol, (Smith County,) Kansas**

**SHORTHORN CATTLE.**  
**Cedarlawn**  
**Shorthorn Bulls**  
 For Sale: The tw. year old herd bull,  
 Mystic Victor, by Vain Victor, by Barm-  
 ton Knight. A valuable tried bull sold  
 guaranteed in every way. Young bulls  
 from six to ten months old. Address  
**S. B. AMCOATS, CLAY CENTER, KAN.**

**Salt Creek Valley**  
**Private Sale**  
 25 Shorthorn bulls from six to 12  
 months old. Also a good three year  
 old bull. All sired by Barmpton  
 Model 338998, by Barmpton Knight.  
 Also a few cows and heifers. Good  
 breeding and plenty of quality. In-  
 spection invited. Write for further  
 information. Address  
**E. A. Cory & Sons, Talmo, Kan.**  
 (Pioneer Republic County Herd)

**SHORTHORN**  
**BULLS**  
 Yearling bulls, reds and roans got  
 by Scotchman and Master Butterfly  
 5th, our pure Scotch herd bulls,  
 weighing better than a ton each.  
 Inspection invited. We price bulls  
 to sell them. Address  
**W. F. Bleam & Sons,**  
 Osborne Co., Bloomington, Kan.

**Symphony's Last 395196**



is now for sale, 4 yrs. old. Keeping all of his heifers.  
 Write for price at once.  
**H. C. Graner, Lancaster, Kansas**

**Scotch and**  
**Scotch Tops**  
 A choice lot of young bulls from  
 8 to 10 months old for sale. Sired  
 by Valiant 346162 and Maringo Pearl  
 391962.  
 A number of pure Scotch bulls in  
 this offering. For further informa-  
 tion address,  
**C. W. Taylor, Abilene, Kan.**



**HOLSTEIN CATTLE.**  
**HOLSTEINS** 15 high grade young cows and 10 heifers. Chosen if taken before March 1st. **JERRY HOWARD, Mulvane, Kan.**



Purebred Registered  
**HOLSTEIN CATTLE**  
 Send for FREE Illustrated Booklets  
 The Holstein-Friesian Association of  
 America, Box 292, Brattleboro, Vt.

**GUERNSEY CATTLE.**  
**FOR SALE** 1 year old high grade Guernsey heifer. **Geo. Haas, Gridley, Kan.**

**GALLOWAY CATTLE.**  
**Smoky Hill Galloways**  
 The world's largest herd. Yearling and two-year-old bulls for sale in numbers to suit, from one to a car load, at reasonable prices. If in the market for Galloway bulls come and look them over.  
**Smoky Hill Ranch**  
**E. J. Gullbert, Owner, Wallace, Kansas.**

**RED POLLED CATTLE.**  
**FOSTER'S RED POLLED CATTLE** Write for prices on breeding cattle. **C. E. FOSTER, R. R. 4, Eldorado, Kansas.**

**MORRISON'S RED POLLS**  
 Cows and heifers for sale. Write your wants. **Chas. Morrison & Son, Phillipsburg, Kansas.**

**Pleasant View Stock Farm**  
 20 Red Polled heifers and young bulls for sale; can furnish herds not related. Also Percheron horses and Poland China hogs. **Hallgren & Gambrell, Ottawa, Kan.**

**Riley County Breeding Farm**  
**RED POLLS—PERCHERONS**  
 25 cows and heifers for sale. Young bulls ready for service in the spring. Inspection invited.  
**Ed. Nickelson, Leonardville, Kan.**

**POLLED DURHAM CATTLE.**  
**FISHER'S POLLED DURHAMS**  
 For Sale: A splendid bull, year old in Nov. Roan and eligible in the Polled Durham book. Also bull year old in April. Address **E. E. FISHER, STOCKTON, KANSAS**

**Polled Durham & Shorthorn for sale**  
 100 Registered  
**Roan Orange, Weight 2100, and Sultan's Pride** 1st at Kansas, Nebr., Iowa and Oklahoma state fairs. Heads herd. Will meet trains. Phone 1602.  
**J. C. Banbury & Sons, Pratt, Kan.**

**Willson's Polled Durhams**  
 For Sale: One 2-year-old herd bull, and three bulls, 8 and 11 months old. Also a few cows and heifers. Strong in Polled Durham breeding.  
 Also a few choice Poland sows and gilts, bred to farrow in March and April.  
**I. M. Willson, Lebanon, Kansas**

**JERSEY CATTLE.**  
 Registered Jersey Bulls Excellent Breeding. **Percy Linn, Mount Hope, Kansas**

**LINSCOTT JERSEYS**  
**R. J. LINSCOTT, HOLTON, KANSAS**

**JERSEYS FOR SALE** 23 head of registered cows and heifers, some bull calves. Would sell entire herd at bargain if taken soon. **C. H. Mills, Waterville, Kan.**

**Choice Registered Jersey Bull Calf**  
 Sire Pogue of Brondale 1000095; dam, Marion's Boneta, 302680. Priced right. **ANDREW KOSAR, Delphos, Kan.**

**Registered Jersey Cattle Sale**  
 Topeka Fair Grounds, March 8.  
 26 registered Jersey cows and heifers, also 30 registered O. I. C. swine. Write for catalog. **F. J. SCHERMAN, R. 8, TOPEKA, KANSAS**

**Cattle and Stanchions for sale**  
 Three nice registered Jersey bulls fit for service and females all ages; also 20 stanchions with or without steel stalls; like new. Have too many.  
**S. S. SMITH, CLAY CENTER, KANSAS**

**Dairymen!—The Truth**  
 You may be prejudiced against the Jersey because you don't know her. Look her up. She's the Money Cow.  
 Get This Book—a history of the breed and full of very interesting facts. It proves conclusively that for pure dairy type, economy of production, richness of milk, long life and adaptability to feeds and climates—all these combined—the stands way above them all. This book "About Jersey Cattle" is free. Get your copy now. You'll find it mighty good reading.  
**The American Jersey Cattle Club**  
 265 West 23rd Street, New York City

present or represented by mail bids from six or seven states. Fully one-fourth of the offering went to Kansas. Elijah Story of Kankakee, Ill., topped the sale at \$295, buying a fall yearling gilt, sired by Blue Valley Wonder and bred to old Blue Valley for early farrow. J. J. Hartman of Elmo, Kan., was a heavy buyer. He got a Blue Valley Timm spring gilt, at \$165. W. R. Webb of Hiawatha, Kan., bought a September daughter of Old Blue Valley, bred to Blue Valley Timm, at \$200. C. B. Schroeder of Clifton, Kan., took one of the same litter at \$160. J. W. Newkirk of Geneseo, Kan., bought a good one at \$105. William McCurdy, Tobias, Neb., also bought a Blue Valley gilt, paying \$165. Ben Shackelford of Paykin, Neb., bought several, paying up to \$145. Only one actual sold below \$75 and only four sold below \$80. Other good buyers were Von Forell Brothers, Chester, Neb.; Fred Crumm, Martell, Neb.; L. Lockenower, Elmont, Kan.; Frank Ware, Goldfield, Ia.; E. P. Ray, Ray, Colo.; J. J. Shank, Mankato, Kan.; E. H. Broemer, Jewell City, Kan.; F. L. Walker, Patton, Mo.; George Gurgeson, Upland, Neb.; N. P. Porter, Vandalia, Mo.; Lohre Brothers, Imperial, Neb., and Tom Griffin, Fairbury, Neb.—Advertisement.

**The Big Judy Stock Sale.**  
 W. T. Judy & Sons, the big purebred stock breeders at Kearney, Neb., will hold their annual sale March 9 in the big sale pavilion, on one of the Judy farms at the edge of town. The Judy Polled Durham herd now numbers over 300 head and is perhaps the largest herd of this breed in United States. This year they sell 40 head of cattle. The females will be sold in very ordinary flesh because it was not decided to sell any females until late. The 24 bulls are right up to the standard in every way. There are plenty of real herd bulls among them. The females are all bred to the great young bull Shaver Creek Lad Jr., champion of Iowa in 1915. The offering was for the most part sired by Judy's Baron. The young draft stallions are big, drafty fellows with lots of style, all home bred and right in every way. The Durocs are as well bred as any to be sold this spring. They are well grown and will sell bred to four boars all richly bred. This will be one of the big sale events of the state and every reader of this paper that is interested in better stock should write for catalog. Mention this paper when writing. Parties unable to attend should send bids to Jesse Johnson in care of W. T. Judy & Sons, Kearney, Neb.—Advertisement.

**S. E. Kan. and Missouri**  
 BY C. H. HAY.

Everything possible is being done to make the big Chester White sale at Higginsville, Mo., a sale that will be a credit to the breed. Every hog in this sale has had the double treatment; all the sows and gilts are safe in pig and all are in perfect health. Remember the date of this sale is February 23. If you cannot attend send your bids to C. H. Hay in H. F. Fehner's care.—Advertisement.

**Another Limestone Valley Jack Sale.**  
 Those who expect to buy a jack this spring will be interested in the announcement of the 38th sale from the famous Limestone Valley Farms. This sale will be held in Sedalia at the state fair grounds, March 15. The offering will consist of about 100 head of high class jacks and jennets. Don't fail to write L. M. Monsees & Sons, Smithton, Mo., for catalog. Please mention this paper when you write.

**Mastodon Sow Sale.**  
 Clarence Dean, Weston, Mo., of Mastodon Poland China fame, will hold his next sale at Dearborn, Mo., February 28. The sows and gilts of this sale are the same big, prolific type that have made Dean's Mastodon Poland sows popular. There is not a breeder in the state who can boast of a stronger line of big type breeding, or a more prolific herd of sows. The gilts of this sale are mostly by Smooth Black Bone, a good son of the former Iowa champion Smooth Big Bone, and out of a dam by Chief Price Again 2d. The other, Big Bone Model, is by the National grand champion Long Big Bone and out of a fine sow by Big Bob. Anyone familiar with Poland China pedigrees will appreciate the breeding of these two boars. Some of the sows and gilts not related to them will be bred to them. The others are bred to Dean's Timm, one of the very best Big Timm boars living. Surely this is a combination of breeding that will appeal to all prospective buyers of big type Poland China sows. All are immune. The sale will be held in Dearborn. Electric cars every hour from Kansas City and St. Joseph. Don't miss this good sale.—Advertisement.

**Publisher's News Notes**  
**A Cutaway Disk.**  
 The Clark Cutaway Disk Harrow distributed from Wichita by F. C. Humburg of Bison, Kan., is aptly described in a display advertisement appearing in this week's issue. It not only cuts all stalks and trash, but thoroughly pulverizes the soil, conserves moisture and leaves a perfect seedbed with one disking.—Advertisement.

**Thrasher and Tractor Show.**  
 The 15th annual Thrasher and Tractor show will be held at Wichita, Kan., February 22-23-24. Headquarters for this great meeting will be at the Forum, Wichita's convention hall. It is near Thresherman's Row, where millions of dollars worth of all kinds of farm machinery will be on exhibition. This show will be the greatest machinery exhibition and mechanical educational treat that has ever been offered to the Southwest. There will be two big free entertainments at the Forum and every farmer and his boy, who expects to do more or better farming should take advantage of this great opportunity to see all the various makes of tractors, threshers, plowing and other farm machinery that will be shown and demonstrated here during the show.—Advertisement.

Community breeding is winning in Kansas. This is because co-operative effort will result in more rapid progress than ordinary systems. Holstein cattle are profiting a great deal from this co-operative work; around Mulvane, Independence and Ft. Scott for examples.

**HOLSTEIN CATTLE.**  
 Registered Holstein bull calves for sale, from good cows. **Wm. C. Mueller, Hanover, Kansas**

**HOLSTEIN CALVES** high grade. Holstein calves either sex, 3 to 4 weeks old, \$20, crated for shipment. **BURN OAK FARM, Whitewater, Wis.**

**CHOICE HOLSTEIN CALVES**  
 10 heifers and 2 bulls, 5 weeks old, nicely marked. \$20 each crated for shipment anywhere. **EDGEWOOD FARM, WHITWATER, WIS.**

**Registered Bull Calves**  
 for sale from cows with official butter and milk records, also can spare a few cows. **HIGGINOTHAM BROS., ROSSVILLE, KAN.**

**Segrist & Stephenson, Holton, Kansas**  
 Prize winning registered Holsteins. Bulls from three months to yearlings for sale. Address as above.

**50 HIGH GRADE HOLSTEIN COWS**  
 for sale; also a few one and two year old heifers, some fresh and others to freshen soon.  
**EAGER & FLORY, R. 8, LAWRENCE, KAN.**

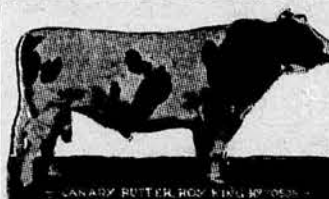
**Braeburn Holsteins**  
 A. R. O. bull calves from eight months down.  
**H. B. Cowles, Topeka, Kansas**

**Sunflower Herd Holsteins**  
 Nothing for sale at present. Am holding all my stock for my big two days' spring sale in which I will sell 150 head of the most popular A.R.O. breeding. Watch this paper, for later announcements.  
**F. J. SEARLE, OSKALOOSA, KANSAS**



**THE HOLSTEIN-FRIESIAN ASSOCIATION OF KANSAS**  
 as an organization offers nothing for sale but desires to supply valuable information free to prospective buyers. The object of this association is to protect the interests of the breed in Kansas. Are you a member?  
 Write **W. H. MOTT, SEC'Y., HERINGTON KANSAS**

**NORTHVIEW HERD OF HOLSTEINS**  
 Start the new year right. Get the best—the cheapest in the long run. Three year old heifers due to freshen soon. Large, well marked and well bred. Registered bulls.  
**LACKLAND BROS., AXTELL, KANSAS, (MARSHALL COUNTY)**



**50 HEAD HIGH-GRADE COWS AND HEIFERS FOR SALE**  
 All heavy springers, bred to a registered Holstein bull. Every animal a good one. We are interested in the distribution of the best Holstein cattle that can be procured; we will not be the agency of distribution of the inferior kind. We have no bulls for sale, all sold at this time. A new crop of Canary Butter Boy King calves coming on now. Come at once and see our offering or write for description and prices. **W. H. Mott, Herington, Kansas**

In 1887 Lee Bros. father brought the first imported Holstein cows to Wabaunsee county. In 1917 Lee Bros. & Cook have the largest pure bred and high grade herd in Kansas.

**265 Holstein Cows, Heifers and Bulls**  
 Registered and High Grade. 3 Cows and a Registered Bull \$325

We are selling dealers in Kansas and Oklahoma. Why not sell direct to you?  
 40 fresh cows, 75 heavy springing cows, 90 springing heifers; 40 open heifers and 20 registered bulls. Bring your dairy expert along, we like to have them do the picking. Every animal sold under a positive guarantee to be as represented.  
 Well marked, high grade Heifer and bull calves from 2 to 8 weeks old. Price \$22.50 delivered any express office in Kansas. We invite you to visit our farm and can show you over 300 head of cows and heifers, sold to our neighbor farmers. Wire, phone or write when you are coming.

**LEE BROS. & COOK, Harveyville, Wabaunsee Co., Kan.**



**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.**

Clyde Girod, At the Farm. F. W. Robison, Cashier Towanda State Bank.

**Holstein Friesian Farm, Towanda, Kan.**  
 Breeders of Purebred Holsteins

We offer special attractions in choice young bulls, ready and nearly ready for service, both from tested and untested dams at prices within reason. Have some attractive baby bulls also, choicely bred. Let us furnish you a bull and improve your herd. Several young females from 6 months to 5 years of age, sired by high record bulls and from A. R. O. dams, up to 28.1 pounds butter in 7 days. A number of these females have A.R.O. records themselves, from 15 to 26 pounds, 7 day butter records.

**IT WILL PAY YOU TO SEE OUR OFFERING**  
 of choice extra high grade, young cows and heifers, all springers, in calf to purebred sires, large developed females, good udders, nicely marked and the right dairy type at prices that challenge comparison for Holsteins of their breeding and quality. A visit to our farm will convince you. Keep us in mind before purchasing. Wire, write or phone us.

**GIROD & ROBISON, Towanda, Kansas**



**HOLSTEINS**  
 Choice cows and heifers showing in calf to pure bred bulls. Selected for size, color and milk production, from the best dairy herds of the east. You will find nowhere a better herd from which to select. Prices reasonable. Write, phone or wire.  
**J. O. ROBISON, BOX A, TOWANDA, KAN.**



## Midway Stock Farm Poland Chinas

Annual sale. The best lot of tried sows ever offered in Jackson county at auction. Combining size, quality and finish.

**Holton, Kan., Wed., February 21**

**45 Head Tried Sows, Fall Yearlings and Spring Gilts 45**

Five tried sows that have proven their usefulness by raising spring and fall litters last year. The great sow Model Girl, two times grand champion at the Jackson County Stock Show, is among them.

The fall gilts are big, roomy prospects, as good as any to be sold this winter, while the spring gilts are all selected tops.

The offering is sired by A Kansas Wonder, Big Bob 2d, one of Big Bob Wonder's best sons, Futurity Rexall, Tecumseh Ex., Blue Valley Giant 2d and Chief Highball, and out of daughters of Major Zim, Blue Valley Buster, A Kansas Wonder and Exalter's Rival.

Bred to Metal King, a spring yearling by King John, by Long King's Equal, Clemetson's Big Bob, by Big Bob 2d, dam Miss Hutch, by Exalter's Rival and O. B.'s Wonder, by King Wonder, by King Of All.

I will also sell five husky young boars sired by Metal King out of dams by A Wonder, Jumbo and Major Zim.

Bids sent to J. W. Johnson in my care will be handled right. Catalogs ready to mail. Address

**O. B. Clemetson, Holton, Kansas**

Auctioneers—R. L. Harriman, Clum Pool, V. E. Addy,  
Fieldman—J. W. Johnson.

## Poland China Auction

**40 Head Immune Bred Sows—40**

Sale at farm near

**Chester, Nebr., Tuesday, February 27**



**4 Tried Sows—3 Fall Yearlings—23 Spring Gilts**

The tried sows and fall gilts are bred to ORPHAN SURE and CRES-  
CENT JUMBO. The spring gilts to JUMBO BOB, the great young son of  
the grand champion boar, Caldwell's Big Bob. Tried sows include daugh-  
ters of Big Bone Sampson, the sire of MC'S SAMPSON, international grand  
champion 1916, BIG ORANGE, BIG PRICE, FESSENMEYER'S A WON-  
DER, EXPANSION SURE, MASSIVE KING and other great boars. We  
will not catalog a single sow that is not all right in every way from the  
standpoint of a breeder. The gilts have lots of size and are mostly by  
JUMBO CHIEF-JR.

Write for catalog and mention this paper. Visiting breeders stop  
at Davenport hotel in Chester and Rock Island Hotel in Belleville, Kan.  
Free transportation from both places. Breeders unable to attend should  
send bids to Jesse Johnson in our care and let him buy for you.

**Von Forell Bros., Chester, Nebraska**

Auctioneers—Cols. J. C. Price, J. H. Barr. Fieldman—Jesse Johnson.

## Dean's Mastodon Polands Bred Sow Sale

**Dearborn, Missouri, February 28**



Big Type with Quality.

**50 HEAD of the Best Bred Sows and Gilts in Missouri 50**

The tried sows are of immense frame, with record of produc-  
tion unsurpassed by any in the breed. The gilts are mostly by:  
Big Bone Model, by the National Grand Champion, Long Big Bone,  
and out of a fine sow by Big Bob; Smooth Black Bone, by the  
former Iowa Champion Smooth Big Bone, and are bred to the best  
living son of Big Timm, \* \* \* Dean's Timm, dam by Long Wonder.  
Some of the sows not related to the Sievers boars will be bred to  
them. Every one immune. Write for catalog.

**CLARENCE DEAN, Weston, Mo.**

Auctioneer—Col. P. M. Gross. Fieldman—C. H. Hay.

Remember the sale is at Dearborn on the Interurban between  
Kansas City and St. Joseph. Cars every hour.

## HOLSTEIN AUCTION

**Clay Center, Kan., Wed., Feb. 21**

**Holstein Dairy Cattle, 35 Head Cows and Heifers.**

These include all the grade Holsteins owned by A. L. Fellows.

17 choice high grade Holstein milk cows, 10 will be fresh soon,  
remainder are milking now. The milk from these cows averages 4%  
butterfat. Every cow is an extra good producer. They are Kansas  
bred and Kansas milked.

7 two-year-old high grade heifers, will be fresh in spring. Every  
one of these is very promising.

4 bulls. 1 4-year-old registered bull, has been my herd bull for  
two years, has an exceptional pedigree and is a rare individual.  
Three yearlings, very high grade.

5 heifer calves, 4 months old. These calves are from choice  
cows, sired by my herd bull.

**H. L. KINMAN, Clay Center, Kan.**

## The Kansas Hereford Breeders' Second Annual Sale

**College Pavilion Manhattan, March 3, 1917**

**70 51 BULLS 19 FEMALES 70**

D. D. Casement, Manhattan Klaus Bros., Bendena. J. M. Rodgers, Beloit.  
Drennan Bros., Blue Rapids George Lungstrom, Lindsay Jos. F. Selacek, Blue Rapids  
Samuel Drybread, Elk City. Carl Miller, Belvue. S. D. Seever, Smith Center.  
J. R. Goodman, White City. John J. Phillips, Goodland. J. O. Southard, Comiskey.  
Howell Bros., Herkimer. John Poole, Manhattan. C. G. Steele, Barnes.  
E. S. Jones, Emporia. W. H. Rhodes, Manhattan. J. B. Shields, Lost Springs.  
Kansas State Agricultural Col- John Schmitt and J. G. Schmitt,  
lege, Manhattan. Tipton, Kansas.

These cattle have all been personally inspected by some member of the Animal  
Husbandry Department. They represent the best blood lines and will appear in  
the sale ring in the most desirable condition to insure their usefulness to their  
new owners. Bulls are offered suitable to head pure bred herds and females  
which would improve the majority of herds by their presence.

Practically all these cattle were bred by the consignors, a few individuals have  
been calved as the property of the consignors. This insures a high class of animals  
which have not passed through second hands. This is a breeders' sale in which  
an effort has been made to secure animals that represent the best efforts of the  
Hereford breeders of Kansas. For further information and catalog, address

**W. A. Cochel, Manhattan, Kansas**

## 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

**For Quick Sale** 12 extra choice spring  
Poland China Boars.  
Big type and good all over.  
Farmers prices. C. F. Behrent, Oronoque, Kan.

**25 BRED SOWS** and gilts bred for spring  
farrows. 5 spring boars  
and fall boar pigs.  
Everything on approval. J. F. Foley, Oronoque, Kan.

**Poland China Pigs.** 25 fall  
pigs at  
low prices. Either sex. Can ship over Rock Island  
or Mo. Pacific. Geo. W. Goodman, Lenora, Kan.

**POLAND CHINA**  
Last fall Gilts for sale. Write for prices.  
PETER LUFT - ALMENA, KANSAS.

**Shorthorns** Six dark red bulls nine to  
eleven months old. Pioneer, a  
grandson of Avondale and Whitehall Sultan heads our  
herd. N. S. LEUSZLER & SON, Almema, Kansas.

**Percherons—Shorthorns—Polands**

October gilts, bred or open, for sale. Barnum Bros., by  
Lord Bruce heads my Shorthorn herd. C. E. Folsom, Almema, Kan.

**We Have 3 Shorthorn Bull Calves** for sale. Got by a  
great grandson of  
Imp. White Hall Sultan and out of cows of the Lord Strath-  
allen and Golden Fame strains. J. W. Liggett & Sons, Almema, Kan.

**Percherons—Shorthorns—Polands**  
A few nice spring gilts, by Jumbo Prospect, by Luft's Orange  
for sale open or bred to order. C. E. Whitney, Almema, Kansas.

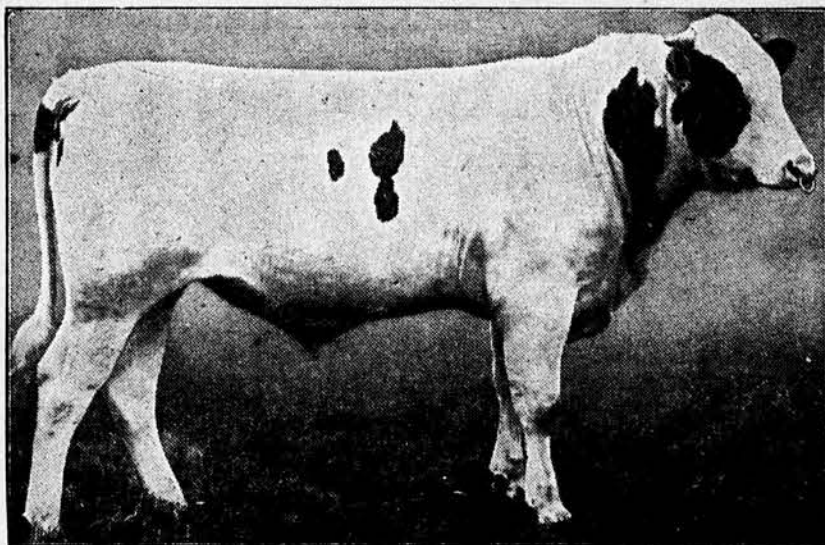
**COL. W. M. PATTON, Livestock Auctioneer**  
Devoting my time to the business. Address as above.  
ALMENA, KANSAS

**COL. C. H. PAYTON** Furbred stock sales and  
big farm sales collected.  
NORTON, KANSAS Write or phone.  
Address as above.

**L. J. Goodman, D. V. M.** Lenora, Kan. Hog  
vaccination a specialty.

When writing to advertisers please mention Farmers Mail and Breeze.





Sir Juliana Grace's De Kol, the Sire at the Head of this Herd.

## Albechar Farm Holsteins

Albechar Farm offers females of all ages for sale. Also bulls from calves up to serviceable age. Herd consists of 160 head of females, headed by Sir Juliana Grace De Kol. This bull is of world record breeding, and a great individual. He has a number of daughters in the herd, and a large number of cows in this herd are bred to him. There are more than 20 A. R. O. cows in this herd ranging from 15 lb. two-year-olds, to 24 lb. full age cows. There are daughters and granddaughters of Pietertje Hengerveld Count De Kol, King Segis, Pontiac Korndyke, Pontiac Aaggie Korndyke, King Spofford Walker, King Hengerveld Model Fayne, (King Hengerveld Model Fayne is a brother to the world's greatest cow, and is the greatest living son of King Fayne Segis, who is the sire of the only 50 lb. cow). Can make prices on one or more, up to one or two carloads. Prices consistent with good breeding and individuality. Write for descriptions and prices, or better still, come and make your own selections. Address

**ROBINSON & SHULTZ**  
Independence Kansas

## Judy's Annual Sale of Polled Durham Cattle, Draft Stallions and Duroc Bred Sows

In Their Own Sale Pavilion at Kearney, Neb., Friday, March 9

### Registered Draft Stallions

3 Clydes, 2 Shires, 2 Percherons, 1 Belgian, 1 French Draft.

In ages from two to four years. Good drafty, clean boned, sound fellows, of good weights and home bred. A chance to buy at prices far below what the same breeding and quality would cost at the big highly advertised sales of the country.



### Double Standard Polled Durham Cattle

Representing the natural accumulation of our herd which is now the largest herd in America. 24 low down, blocky, sappy bulls, ranging in age from twelve mos. to three years. All raised on our farms and nearly all sired by our herd bull JUDY'S BARON. 16 females, 7 cows and 9 heifers, all safe in calf to SHAVER CREEK LAD JR., champion of Iowa, 1915. Some real herd bulls go in that are not related to the females selling. Every animal to be sold will have several crosses of the best ordinary flesh. But no more useful lot will be sold this year.

### Duroc-Jersey Bred Sows

45 head selected from a big bunch, bred to four different boars, two of them sons of ILLUSTRATOR 2nd, one by King The Col., and one by Model Goods. Most of them sired by JUDY'S DOUBLE MODEL, a son of Golden Model 5th. Dams of offering by such sires as DEETS ILLUSTRATOR 2nd and Inventor's Knight.

Write early for our catalog and mention this paper. The sale will be held rain or shine. Parties unable to be with us should send sealed bids to Jesse Johnson, in our care at Kearney, Neb.

Auctioneer—Col. Joe Shaver. Fieldman—Jesse Johnson.

**W. T. JUDY & SONS, Kearney, Neb.**

## Dispersion Sale

35—HEAD—35

Holstein Cows and Heifers



**Beatrice, Nebr., February 24th**

This is a closing out sale of our entire herd of big milking cows and their heifers.

4 pure bred registered cows, 2 with A. R. O. records; 1 pure bred registered heifer, in calf; 1 pure bred yearling heifer, 9 months old; 1 pure bred heifer, 4 months old; 1 pure bred heifer calf; 14 big, high grade cows, giving milk, 3 soon to freshen.

Cows bred to one of the best registered Holstein bulls in the West, with best of A. R. O. backing. These cows are from some of the best Holstein herds of Wisconsin. They were selected for their quality and production by O. H. Liebers, formerly County Agent of Gage County, Nebraska, and now Agriculturist for the C. E. & Q. R. R. They are thoroughly acclimated and good producers. These cattle are not shipped here to sell, but have been used in our dairy, and are only sold because we are going out of business.

Sale in Frierich's Feed Barn, beginning at one o'clock sharp.

**Kidd & Junkin, Beatrice, Nebr.**

Auctioneer—Col. Z. S. Branson. Fieldman—Jesse Johnson.

## Naiman's Sale

Big Immune Poland China Sows

In Smith's sale pavilion at

**Fairbury, Neb., Wed., Feb. 28**



**3 Tried Sows, 37 Big Fall Yearlings**

HALF BRED to Long Shot, sired by BIG BONE'S SON out of an ANNA PRICE DAM. The remainder bred to COMBINATION HADLEY, winner of first at big county shows, and DOLLAR MAKER, son of Dollar Mark. Fully half of the offering is sired by NAIMAN'S A WONDER, grandson of A Wonder. Others by MAMMOTH ORANGE, son of Big Orange. Some by ORPHAN WONDER by A Wonder.

If you want to start in the Poland China business, right at the top, get a catalog of this sale and either attend or send bids to JESSE JOHNSON in my care at Fairbury, Neb. Parties attending sale stop at Merchant's Hotel.

**John L. Naiman, Alexandria, Nebraska**

Aucts.—Jas. E. Duncan, J. H. Barr. Fieldman—Jesse Johnson.



# Big Combination Jack Sale

**Deacon Jr.**



**40 Head 25 Jacks and 15 Jennets**

All black with white points and all registered.

**Holton, (Jackson County,) Kan.  
Thursday, February 22**

**The Show Herd of M. H. ROLLER & SON,** including John L Jr., champion state fair, Topeka, 1914-15 and the show herd of Bruce Saunders, including Deacon Jr., champion of state fair, Topeka, 1916.

**John L. Jr.**



These two champion jacks are representative of the high standard of the 40 jacks and jennets that go in this sale to the highest bidder regardless of price. Plan to attend this sale and write for illustrated catalog at once. Mr. Saunders is closing out his entire herd and Roller & Son are selling very close. Included in the sale are two Percheron stallions, two and three years old sired by Inelus, champion of the leading shows in 1911. Sale in big sale pavilion in town. Good railroad facilities. Ask your R.R. agent. Good hotel accommodations. Catalogs ready to mail.

Address either

**BRUCE SAUNDERS, Holton, Kan., or M. H. ROLLER & SON, Circleville, Kan.**

Auctioneers—R. L. Harriman, C. Pool, V. E. Addy.

Fieldman—J. W. Johnson.

## Jack Sale Sunny Slope Stock Farm

**McCUNE, KAN., THURSDAY, FEBRUARY 22**

12 head of jacks from 2 years to aged jacks, 14 to 15½ hands high. Black with white points. Good bone, body, head and ears. These jacks are my own raising. Sired by Bradley's Sunlight and Kentucky Yelberton, both big Kentucky jacks. Kentucky Yelberton's dam took 4th premium at the St. Louis World's fair in a bunch of 30 and his sire took first premium at the Kentucky State fair for the best jack and 1st premium for best jack with three colts and his grand sire sired the champion yearling jack at the St. Louis World's fair.

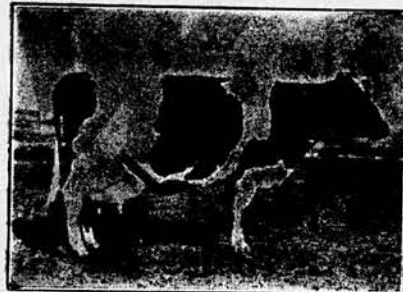
8 head of jennets from yearlings up to aged jennets. Aged jennets from 14 to 15 hands. Black with white points. Will sell 2 driving mares and 2 good ponies. Will offer for sale one registered Percheron mare coming 4 years old and a registered Percheron stud colt coming 2 years old, an extra good one.

**G. W. OVERLY, McCUNE, KANSAS**

Auctioneers: Coles, J. T. Macom, B. F. Boland, H. W. Lowe, J. M. Tomson, G. W. Bell, W. E. Gaddis and J. C. Bogard.



## Oak Wood Stock Farm



A choice herd of Holstein and Jersey cows, from four to six years old, to freshen during the next thirty days.

Thirty head of high grade Jersey heifers to freshen in March and April. These cows and heifers were selected by an expert, from high producing strains.

Eight head of registered Holstein and Jersey bulls of the very best quality. Come and inspect them and we can satisfy you as to quality. Write, phone or wire for prices and description.

**M. E. PECK & SON,  
SALINA,  
KANSAS**

# Cornelius McNulty's Annual Jack Sale

**A Draft Sale From the Pioneer  
Grand View Jack Farm  
Morrowville, Kansas**



Typical of the  
Grand View Kind.

To better accommodate customers from all over the country I am selling in the big comfortable Sale Barn, at

**Concordia, Kan., Saturday, Feb. 24**

For 18 years I have bred jacks and it is with real pleasure I invite the jack and mule fraternity of the West to my 2nd annual draft sale of jacks.

**20 Big Mammoth Jacks Go In This Sale**

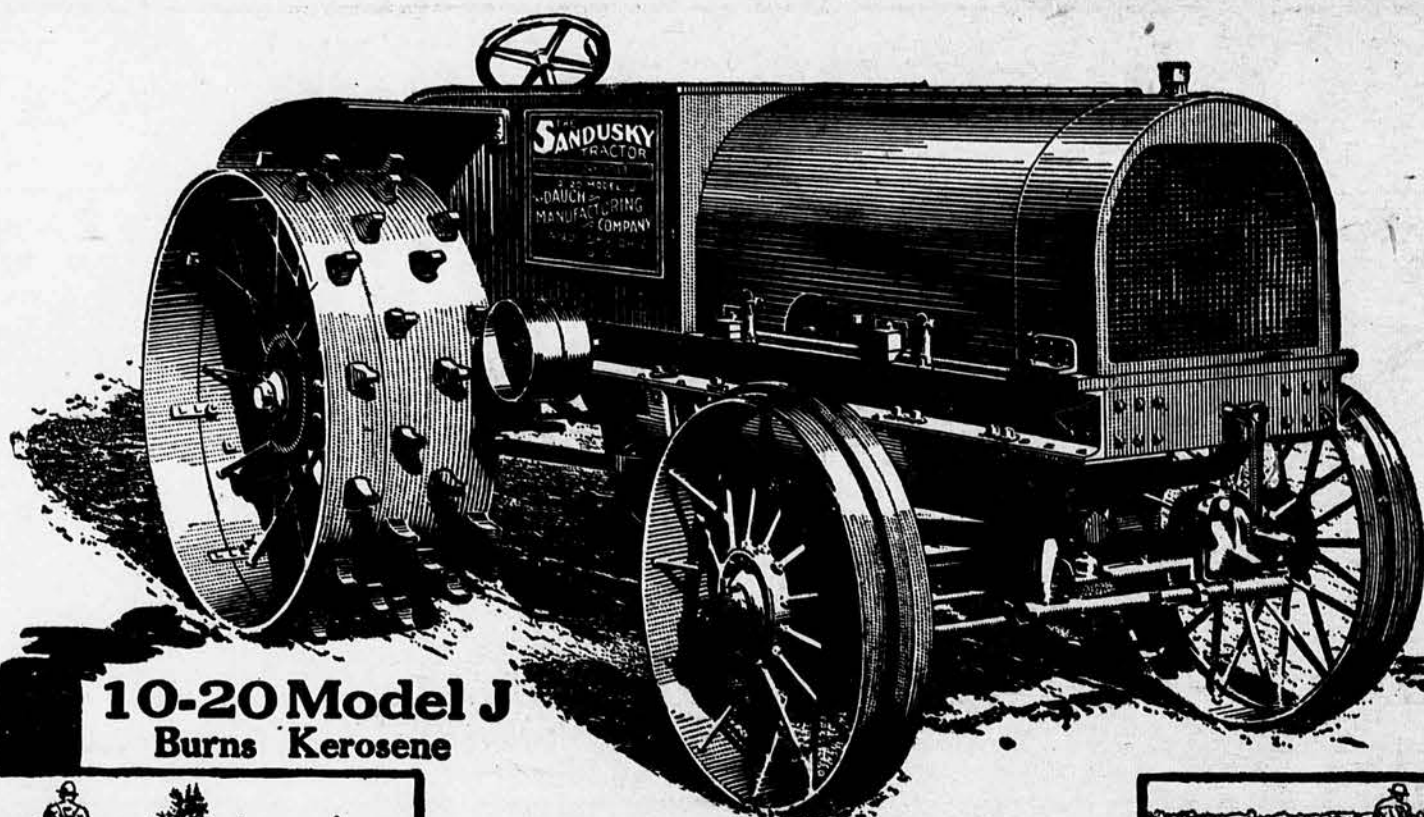
Ranging from two to eight years old. All are black with white points. All were bred by me except two. They are real herd jack material and all registered or eligible to registry. All are acclimated and in good growing condition but not highly conditioned. The guarantee made on each jack will be as good as a government bond. Catalogs ready to mail.

Address **Cornelius McNulty, Morrowville, Kan.**

Auctioneers: R. L. Harriman, G. B. VanLandingham, Dan Perkins. J. W. Johnson, Fieldman.

(Mention the Farmers Mail and Breeze when asking for catalog)





**10-20 Model J**  
Burns Kerosene



**\$1095.00**  
F.O.B.  
SANDUSKY.



**THIS 10-20 Model J Sandusky Tractor** places the farmer with lesser acreage on the same basis of economy as the man with the larger farm.

Gives him proportionately the same dependable service, produces the same results in dollars and cents and effects the same economies of labor as secured by the hundreds of farmers operating our 15-35 Model E.

Pound for pound the Model J is as good a tractor as our larger machine. It is designed on sound engineering principles, built with the same mechanical precision, of the best materials and proved out thoroughly in actual field work.

It is sold strictly on a guaranteed basis, after an actual demonstration *on your farm* has shown that it is profitably adapted to your needs and capable of doing your work. You buy tractor certainty when you buy a Sandusky, and you get it at a reasonable price.

#### BRIEF SPECIFICATIONS

Our own four-cylinder, four-cycle,  $4\frac{1}{2} \times 5\frac{1}{2}$  motor; drop forged crank-shaft, cam-shaft and connecting rods, interchangeable high grade bearings; combination force feed and splash oiling system; high tension magneto; Bennett air cleaner; belt pulley; three speed transmission; Timken worm and gear drive; Hyatt equipped; universal couplings between motor, transmission and differential; three-point spring suspension; thorough protection against grit; full steel construction; short turning brakes. Weight, 4000 pounds; wheel base, 76 inches; height, 52 inches.

#### BOOK J-63 FREE

It describes fully the unique principles of design, the construction and performance of this smaller "Little Fellow With the Big Pull." Also gives the details of our "Try It Before You Buy" sales policy, as well as covering our broad, binding guarantees. Tell us your problems, and we will gladly assist you in solving them without obligation on your part. Be sure to ask for Book J-63

#### A NEW PLAN—FREE SERVICE

We announce an entirely new departure in tractor selling. A coupon book good for 100 hours of service goes with every Model J. This means expert service and help without charge when you want it. See catalog for details.

If your work requires more power than furnished by Model J let us send you catalog covering our 15-35 Model. Ask for book E-63

**TO DEALERS**—We want men of standing, with pep and energy, to get behind this 10-20 Model J and push it. Write for our proposition.

### THE DAUCH MANUFACTURING CO., Sandusky, Ohio

The Sandusky Tractors—both Models—are ready for inspection at and delivery from our principal Factory Branches and Service Stations at Indianapolis, Ind.; Bloomington, Ill.; Milwaukee, Wis.; Lewistown, Mont.; Minot, N. Dak.; Fargo, N. Dak.; Sioux City, Iowa; Lincoln, Nebr.; Wichita, Kans.; Dallas, Texas; Leesburg, Fla.; Los Angeles, Cal.; Sacramento, Cal.

**THE SANDUSKY TRACTOR**

**"THE LITTLE FELLOW WITH THE BIG PULL"**