

August 19, 1916

Price 5 Cents

The FARMERS MAIL AND BREEZE

46.34 ✓



MORE SILOS FOR KANSAS

A BIG interest in silos has been created by the dry weather this year in Kansas. It is certain that there will be a large increase in the number. There is a greater appreciation than ever of the important connection between silos and successful livestock management. For that matter this was true in many communities even last year, in a season when abundant forage crops were produced in every county. The incomplete returns from the assessors indicate that there has been a gain of about 15 per cent in the last year in the number of silos in the state. There were 9,712 silos in Kansas a year ago, and there probably are more than 11,000 now. The constantly increasing number is a good indication of the high regard which farmers have for this system of saving feed.

Directors
of the
Kansas
Rural Credit
Association



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There Are Two Ways

For the Kansas Farmer to Take Advantage of the Farm Loan Act

THROUGH

**The Kansas
Rural Credit Assn. or**

**The Federal
Land Bank**

Operating in Kansas as a Joint Stock Land Bank under the Federal Farm Loan Act.

Requirements:

Must join The Association and buy shares equal to five per cent of loan; \$100 for each \$2,000.

Loans:

To run from five to forty years with amortization and optional pre-payment after five years. No loan shall exceed fifty per cent of the value of the land mortgaged and twenty per cent of the permanent insured improvements.

No restrictions as to residence.

No restriction as to amount.

No restriction as to purpose for which loans may be used.

Interest Rate:

One per cent for expense and profit allowed in addition to the rate at which bonds are issued. The bond rate plus the one per cent can never amount to more than six per cent anywhere in the United States.

(Bonds issued on Kansas Mortgages will have a ready sale and should command as low a rate as those of any state in the country.)

Bonds:

After mortgages are approved by the Federal Farm Loan Board, bonds are issued from the U. S. Treasury on the order of the Board.

Free from Taxation:

Farm loan bonds issued under the authority of this act shall be deemed and held to be instrumentalities of the Government of the United States, and as such they and the income derived therefrom shall be exempt from Federal, state, municipal, and local taxation.

Kansas will be in a District, probably composed of several states in which there will be one Federal Land Bank.

The Kansas Rural Credit Association will apply at the earliest possible moment for a charter under the Federal Farm Loan Act as a Joint Stock Land Bank, and will do business only in Kansas, and among its own members.

Loans Made in the Order Applications Are Received

Loans will be made in the order in which applications are received as nearly as possible and when in the opinion of the Board of Directors the membership is large enough to furnish all the business which can be handled to advantage the books will be closed and no more shares issued.

Share in Its Benefits

Become a member of this mutual organization NOW and be in line to secure a loan and to share in the benefits of the Association before the books are closed.

MAIL THE COUPON TODAY

**The Kansas Rural Credit Association,
Dept. F, Emporia, Kansas.**

Without obligating me in any way please send me your twelve-page booklet which explains in detail the plan of The Kansas Rural Credit Association and tell how I can become a member and enjoy the benefits of this co-operative organization of Kansas farmers.

Name

Address

The Kansas Rural Credit Association
Dept. F
Emporia, Kansas

Directors
of the
Kansas
Rural Credit
Association



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Mail and Breeze,
Topeka, Kan.



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THE FARMERS MAIL AND BREEZE

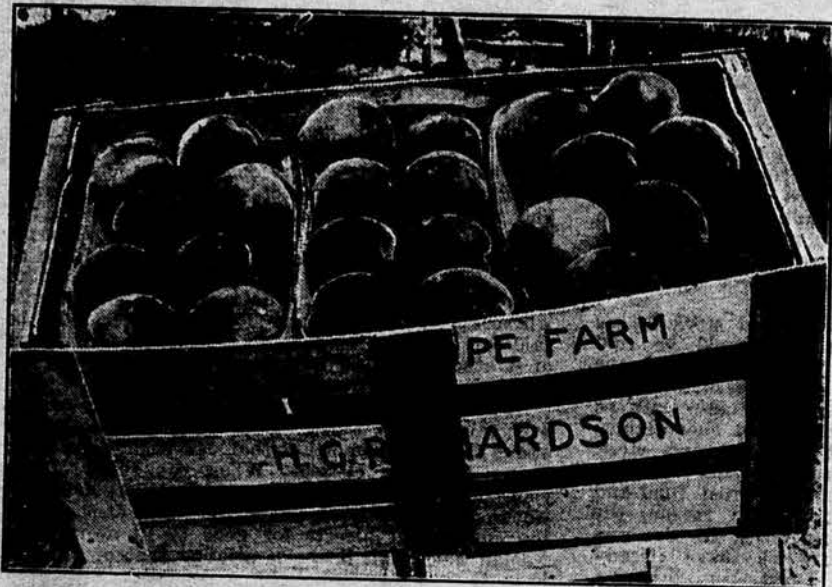
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For Better Markets

BY JOHN R. COLTER

Coast against the difficult task of obtaining a nation-wide distribution of that very delicate fruit, the cherry, devised, personally, a "pony" refrigerator, or ice chest, which carried the cherries, with all their bloom on, to consumers in Eastern cities. Little towns and even obscure inland towns of Canada were able to enjoy fresh cherries out of season because that problem had been solved.

If you plan to deal with buying clubs wrap your goods neatly in white paper. Use stout corrugated cardboard, or wooden containers. A farm in New York state that has built up a large poultry business with city clubs twirls a strip of paraffine paper around the end of the leg of each chicken or duck shipped out. A trifle—and yet it helps a lot. Moreover, it is always well to wrap securely. Give the shipment a firm and symmetrical look.

The third important point for the producer is "individuality." Besides giving high quality, and besides making your shipment attractive in appearance, aim at separating yourself from other producers. "The Guarantee Farm" or "Blanchard's Fine Eggs from Grayville" looks a lot better on the outside of a shipment than a mere name and initials. Choose a good name, plaster it discreetly and artistically if you can on all your containers, reproduce it on your billheads, your wrapping paper—and then you will have gone a long way toward establishing your individuality in business.

Honey put up in 3, 5 and 10-pound pails carefully labeled by the producer, has sold readily from Iowa points recently, to Chicago and even New York buying clubs. Bushel boxes of ap-

ples, bearing the name of "Riverview Farm" are becoming well-known among the buying club people of New York. The producer has been using a distinctive brand name with great success.

These are the essentials, without going into detail, of how to deal successfully with the consumers' buying club trade. To get in touch with these clubs, talk with or write to the express agent of the express company doing business in your nearest big city or town, or talk with the agent of the express company at your local trading point. The operator at your railway station can give you the name of the express company in the city and if he is the express agent as well, may himself be able to arrange for listing what you have to sell on the express company's food products quotation sheet.

It will be well to remember that too much care cannot be exercised in packing fragile and perishable articles. Ordinary pasteboard boxes should never be used in shipping butter, eggs, or other produce. Strong double corrugated pasteboard containers are found very satisfactory. A liberal quantity of sawdust, bran, excelsior or other suitable material should be used in packing to insure the best service. In all cases, the express agents should be consulted as to proper packing, and the best time for dispatching in order that the parcels may reach their destination in the best condition and at the time desired.

Buying clubs are forming every day. Each one is a potential market for the progressive farmer and his neighbors. The consumer, eager to reduce his cost of living, is resorting to co-operation and direct buying through the express. Will the farmer—the manufacturer of farm produce—come half way? Will he standardize, guarantee, and advertise his goods and adopt modern methods?

THE COUNTRY producer who would deal direct with buying club organizations must be square at his end of the route. For honesty—good value for the money—is absolutely essential in selling goods to a customer who does not know you. A farmer will place confidence only in that mail-order house which treats him fairly and squarely; just so a city buying club will acquire confidence in a producer who ships only high-grade stuff and will throw over any farmer who puts wormy apples with sound ones and fertile eggs with infertile ones.

Experience has proved that the slightest deviation from high quality and Golden-Rule treatment will lead to failure. Here is an example of a man who built up a reputation for serving buying clubs with fine fresh eggs, and kept that reputation:

His name was Chase and he was selling a very few eggs from his small village in New York state when the buying club idea was explained to him. He wrote to the Food Products Bureau of his express company and told them about his eggs. One point he made very clear—his eggs were not ordinary, unsorted eggs. They were fresh and perfectly infertile. Moreover, he would be willing to stand back of his goods—he would guarantee them. They were forthwith bulletined on the quotation sheets and were subsequently ordered by several New York and Buffalo buying clubs.

Chase filled these orders promptly and then wrote a business-like letter to his customers asking for their opinion of his eggs. They liked them very much, they said, and were glad to tell others about them. The result was, by careful candling of every egg and prompt shipping, he was soon over-supplied with orders. Then he drew upon his neighbors' eggs. They were just as rigidly candled, just as neatly packed, and just as promptly shipped as his own had been—and within a few months Chase had developed a large business with buying clubs. His name (or rather the name of his town) had come to mean something to the buying clubs in New York and when the supply of eggs ran short, as it usually does in winter time, he found that he could easily get several cents more a dozen than any one else on the quotation sheet. His high quality and business-like treatment of customers developed his business to \$4,000 a month—and he was among those who voluntarily withdrew his name from the quotation sheet of the express company.

Another egg producer has had great success by guaranteeing all his eggs to have been laid within 12 hours of shipping time. He too, is a business-farmer, as you might say, for he offers to replace any produce not absolutely satisfactory to the city consumers. His prices

are higher, for he can command them. Still another man, in Pennsylvania, has adopted the Danish system of rubber-stamping each egg with the date it was laid.

So, whether it be apples that you are shipping, or chickens, vegetables, eggs, smoked hams or some delicacy like honey—let the goods be of strictly high-quality. Nothing else pays. Run strong on freshness and tenderness in foods.

In selling melons, peaches or plums, for instance, to the buying club trade it is necessary to hold fast to a certain standard measure and weight. City folks want to know exactly what they are getting.

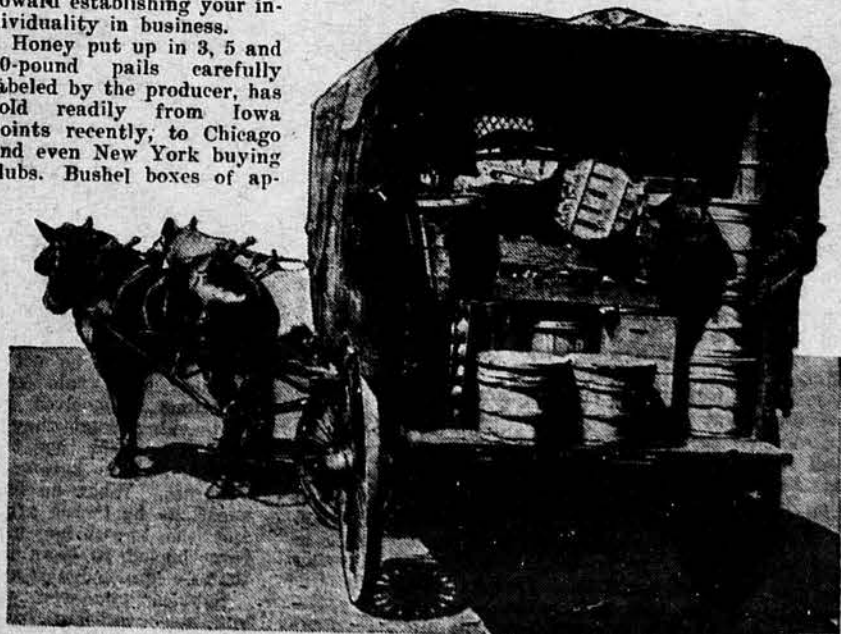
A peach growers' association in Ohio last year acquired a large buying club trade at prices nearly 40 per cent better than were ever obtained before—simply by grading their fruit carefully, holding fast to a minimum weight basketful and standing back of the goods which they quoted thru the express. The actual statistics of this successful marketing scheme show that the growers received for their A's and B's respectively, \$1.90, \$1.50 and \$1.10 a bushel, instead of \$1.35, \$1 and 90 cents as of old. All business was done f. o. b. the shipping point.

The point to be noted here, of course, is that the buying clubs are accustomed to buying foodstuffs of a known quantity, weight and quality. The producer who would eliminate those whom he thinks are unnecessary middlemen must take pains to grade his goods. But he will be paid for those pains.

Consider, too, the importance of the looks of a shipment of produce. It really will not do to adopt makeshifts. You can't wrap celery or lettuce or capons in old newspapers and hold the trade of a buying club very long. In fact it is doubtful if the express industrial agent who works among producers would recommend your produce for quotation, were you not keenly interested in the latest, most business-like methods of packing and wrapping. There are large numbers of firms today experimenting, and day by day improving, the kind of carriers necessary for direct-marketing. You will find special containers in use today that did not exist a year ago. The fact that the "business farmer" is awaking to his new opportunities has resulted in the overcoming of many "carrier problems." For example, an express industrial agent on the Pacific



Waiting for the Train.



At the City End of the Route: Delivering Small Shipments of Country Produce to the Buyers. The Profits of the Middlemen are Eliminated.

DEPARTMENT EDITORS

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

Entered as second-class matter Feb. 16, 1906, at the postoffice at Topeka, Kansas, under act of Congress of March 3, 1879.

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

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T. A. McNEAL, Editor.

F. B. NICHOLS, Associate Editor.

E. W. RANKIN, Advertising Manager.

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ADVERTISING RATES.

110,000 circulation guaranteed.

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Children's Pages.....Stella Gertrude Nash
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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

Rural Credit Association

In view of the fact that a good many readers of the Farmers Mail and Breeze are interested in the Kansas Rural Credit association, a statement of the present condition of that association may be of interest. The Kansas Rural Credit association was organized more than a year ago under the Kansas law. It was placed under the general supervision of the Kansas banking department and was built on the general plan which has proved successful in several European countries.

It was announced that the association would be ready to make loans beginning the first of last February. I think the announcement was somewhat premature, but it was the opinion of those in direct charge that such an announcement was safe and could be carried out. The plan of this organization in brief was to issue debenture bonds secured by the capital stock and surplus of the organization and the real estate mortgages taken by the association, the proceeds of these bonds to be used in making further loans. On long time loans the interest charged the borrower was 5 per cent, plus 1 per cent to cover the expenses of the association, plus 1 per cent to be paid into an amortization fund to be applied in reducing the principal of the loan, a total of 7 per cent.

About \$100,000 was lent and approximately 1900 farm owners subscribed for stock in the association. The manager tells me that he had practically made arrangements for the sale of all the bonds that the association would need to sell at 5 per cent. About this time Congress passed the rural credit bill which changed the situation materially, so far as the Kansas Rural Credit association is concerned. The act provides for the organization of two kinds of land banks, the Federal land banks and the joint stock land banks. Both kinds of banks may issue bonds which are non-taxable.

It is evident that an organization which cannot issue non-taxable bonds cannot compete with one which has that privilege. The bonds issued by the Kansas Rural Credit association are not exempt from taxation. It is necessary, then, if the members of the Kansas association are to get the benefit of the new law, that a reorganization take place under the provisions of the recent act.

The provisions of the rural credit act providing for the organization of joint stock land banks are almost identical with the plan on which the Kansas association was organized. The rural credit act, however, requires before a joint stock land bank is permitted to do business that capital stock to the extent of at least \$250,000 be subscribed and that at least half of that amount shall be paid in cash. Then before the joint stock land bank can issue its bonds under the law all of the capital stock must be paid in. In other words the joint stock land bank must have a paid up capital of \$250,000 before it can issue bonds.

As I said before there are approximately 1900 subscribers to the stock of the Kansas Rural Credit association and the total amount of stock subscribed for amounts to \$190,000. Only a small part of these subscriptions, however, are paid in full. If all of them were paid in full and the stockholders will consent to a reorganization under the Federal law and to taking stock in the reorganization in lieu of the stock they now hold in the Kansas association, it will require \$60,000 of additional stock in the new organization to comply with the requirements of the Federal law in order to issue and sell bonds.

All this has caused a good deal of disappointment and delay. It was manifestly impossible to go on with the Kansas association and do business in competition with the land banks which will be formed under the new Federal law. Many of the subscribers to stock in the Kansas Rural Credit association made their subscription with the understanding that they would be able to obtain loans as soon as their applications could be passed upon and the appraisal of their land made. It may be that in some cases the agents of the association in their zeal to get stock subscriptions made promises which they were not authorized to make. I do not know that they did but such a thing is not improbable. It is true, however, that owing to the changed conditions brought about by the passage of the new law it is impossible for the Kansas association to fulfill immediately the promise the agents were authorized to make.

A meeting of the board of directors of the Kansas

Rural Credit association was called to meet in Emporia July 28 to consider the situation. The following day a committee appointed at this director's meeting met with the state bank commissioner to get his advice as to the best manner to proceed. As a result of this meeting another meeting of the board of directors was called to meet in Topeka August 3.

At this meeting it was decided that stock in the Kansas Rural Credit association should be sold conditionally; the conditions being first; that the purchaser of the stock was to be given an equal amount of stock in the joint stock land bank as soon as it can be organized under the Federal law, and second that the amount paid for such stock less the amount necessary to cover expenses of commission shall be kept in a separate trust fund and refunded to the subscriber if for any reason, the joint stock land bank is not organized. It also was decided to send to the persons who have already subscribed for stock in the Kansas association a letter explaining the situation and urging them to pay the balance due on their stock with an agreement that they shall accept in lieu of their present stock, stock in the joint stock land bank when that is organized.

I have heretofore stated that I have no interest in the Kansas Rural Credit association further than I believed it would help farmers who desired to borrow money to get it on more favorable terms than they have been able to get it heretofore. I have carefully refrained from urging anyone to join the association but did say that with honest and efficient management I could see no reason why it should not be a success. I very keenly regret the disappointment and delay occasioned by changed conditions. I also now think it wise and necessary to reorganize as a joint stock land bank under the Federal law. How much further delay this will occasion and how long the members of the new organization will have to wait before they can get their loans I of course cannot say. My opinion is that it will be at best some three or four months before the reorganization can be fully completed and ready to transact business with the borrowers. It may be longer than that. I am sure that there is not a member of the board of directors of the Kansas Rural Credit association who is not very anxious that the reorganization shall be effected as rapidly and as cheaply as possible and that those who desire loans shall be accommodated as soon as possible.

Lawyers

Lawyers constitute a very small percentage of the population of the United States and yet they do now and always have in the past dominated Congress and the greater part of the legislatures. Every once in a while somebody concludes that the way to help the situation is to elect farmers and other classes of business men to Congress and the legislature and quit sending lawyers. That sort of talk has resulted in sending a few farmers and merchants to Congress at different times but never enough to dominate the body. If they had dominated it there is a question as to whether they would have bettered conditions any.

The farmer politician or the merchant politician who gets it into his head that he would like to go to Congress is quite likely to be mighty poor material for a statesman. When he gets to Washington he is likely to come completely under the domination of some lawyer member.

The truth is that most of our American sovereigns take very little time to study the problems of government and as a result they know mighty little about them. Our school system is better than none of course but it falls far below the mark that ought to be set by a school system. The teachers as a rule know but little about public questions themselves and of course are incapable of teaching what they do not understand.

So it happens that the average graduate goes out ill-equipped to become a legislator or member of Congress. What he learns about the great public questions he learns after he quits school as a rule, and the knowledge he gets then is likely to be from biased partisan sources which is little better than no knowledge at all.

Suppose you were to ask the first 10 citizens you meet tomorrow about their politics. Perhaps nine out of the 10 would tell you that they are either Republicans or Democrats. Perhaps the tenth

would say he is a Socialist. Then ask the Republicans and Democrats one by one to tell you what are the distinctive principles of their respective parties and it is dollars to doughnuts that they will not be able to give you a definite answer. Most of them have inherited their politics and let it go at that. The Socialist is a good deal more likely to be able to tell you why he is a Socialist, because whether the Socialist is right or wrong it must be said for him that as a rule he has been much more of a student of public political questions than the members of other parties.

Now, it occurs to you when you think this matter over calmly that the study of political questions is about the most important that can engage the mind of an American citizen. When you think of the enormous sum we have to pay for government, national, state and local; when we think also of how the government affects for good or ill every man, woman and child, it seems strange that of all subjects it is given but little really serious and intelligent attention by the vast majority of citizens.

Now there would be some excuse for that in a country where the masses neither have anything to say about how the government shall be run nor can they have anything to say about it, but in this country while it is true that a comparatively few do dictate to and control our legislative bodies, it also is true that the people have the power to change conditions if they will. The trouble is that even when the people get dissatisfied with conditions and conclude to change them, they are likely to take the wrong way to do it. How often we have seen vast numbers of people who are in deadly earnest in their desire to reform things, follow the lead of some loud mouthed blatherskite who has neither brains nor principle. Often a reform wave puts that kind of men into office. Of course the result is disappointing. The people who help elect them realize when it is too late that they made a mistake and then they are likely to say it is no use and go back to the old way of letting a few run things to their own liking.

A lawyer in the practice of his profession is compelled to give some attention to public questions and by virtue of that experience he has a better chance to get legislative offices than men in other lines. The trouble is that he is apt to look at public questions from the standpoint of the lawyer. If he is bright of mind and a good student, in a little while the managers of corporations get their eyes on him. If he gets into Congress and shows ability they want him in their business and they have by all odds the most tempting things to offer the lawyer. Let him once become connected with a successful corporation and he is on Easy street. The way is smoothed financially for him and so he becomes a corporation man, a corporation lawyer.

It is no particular wonder that corporations get about what they wish out of Congress. The lawyers control the legislative bodies of the country, state and national, and the corporations control the brightest of the lawyers; the others don't count for much.

Saratoga

The daily papers of Kansas recently contained a news item that lightning had destroyed the last of the buildings on the old town site of Saratoga, Kan. There was a time when Saratoga was one of the boom towns on what was then the frontier. The founders of it had picked a really picturesque location, and with an eye looking toward the future, when perhaps it would be the fashionable watering place of Central and Western Kansas, they named it Saratoga. The Ninescah, one of the most beautiful streams in the state, with its swift flowing and crystal waters, babbled its way thru the site of what its founders believed would some day be a busy and beautiful city. The Ninescah at this point had a sufficient volume of water to justify, in the opinion of the town builders, the erection of a waterpower mill, and the fertile prairies that lay all about gave promise of abundant harvests of wheat to supply that mill and many more.

The little town of Iuka lay 6 miles to the north of Saratoga and 4 miles farther from the geographical center of the new county of Pratt. Iuka had the temporary county seat. It was the first and most important job of the Saratoga founders to try to pull that county seat from under the Iukans,

who were determined to hold it down if possible. The county seat fight in Pratt county differed only in degree from the county seat contests in dozens of other Kansas counties. There was not so much shooting as in many other cases, or at least the aim of the shooters was not so good, as I do not now recall that anybody on either side was actually killed during the contest. In other respects it had all the bad features and accompaniments of county seat fights generally.

When you get the comfortable notion in your head that you are perfectly honest and that under no circumstances would you deviate from the paths of rectitude, don't be too sure about yourself. Maybe you have never been tried. The world is full of people who have maintained a fair reputation for integrity all their lives simply because they have never really been tested. The county seat fight was the acid test of an honest man. If he could come thru that with a good reputation; if he could after it was over, look any man in the face and say truthfully, "I have never resorted to dishonest practices, I have never been concerned in an attempt to carry an election by dishonest and unlawful means, never been guilty of perjury, or of attempts to corrupt a court, and all this I can unblushingly declare before God and man," then that man can contemplate the day of final judgment without fear or trembling, for he has stood the acid test. Just now I cannot remember any man who was mixed up with a county seat contest who could stand that test, but possibly there may have been such a man.

I have known men who had lived until middle life or even longer, with excellent reputations who, when plunged in the heat of a county seat fight, would lie like tramps, steal without compunction of conscience; stuff ballot boxes with unhallowed joy and contribute to the employment of professional bandits whose business it was to terrorize, beat up and if necessary, kill the leaders of the opposition.

Every form of lawlessness from petit larceny to murder was resorted to in these contests and each side justified its action on the ground that necessity knew no law.

When it became evident that Saratoga was going to win in its contest with Iuka, the thought occurred to some of the Iuka leaders that Saratoga could be checkmated by establishing a town in the exact geographical center of the county, and so the new town of Pratt was born. Then the contest shifted from Iuka to Pratt. The story of that final contest is too long to tell here. It is sufficient to say that Pratt finally won and the doom of Saratoga was written. Some echoes of that bitter contest were heard afterward when an attempt was made to collect something on the bonds which Saratoga had issued in the days of her prosperity, when the future loomed rosy before her.

The principal object of interest now at the old townsite is the state fish hatchery. It is said that the Kansas fish hatchery is one of the most complete found in any state. It has cost the hunters and those who imagine they are hunters a great deal of money, but my private opinion is that there is not a fish more in the waters of Kansas than if that hatchery had never existed. I want you to remember that I say this is my opinion. I may be very badly mistaken. I am not much of a fisherman and do not know much about the habits of fish, but my judgment is that the money spent in building this fish hatchery might have been spent to better advantage.

Supervision a Failure

There are a great many conservative people who are opposed to public ownership of public utilities, but who admit that there should be some restraint placed on these utilities. These people argue in favor of government regulation and state regulation and municipal regulation.

In the United States we have gone into the regulation business perhaps to a greater extent than in almost any other country. We have made a stab at regulating nearly everything and it must be said that the result has not been satisfactory. It has resulted in the multiplying of offices and has had to do with the increased expenses of government, but so far as actually giving relief there is not a great deal of that visible to the ordinary observer.

The Interstate Commerce commission, from which great things were expected, seems to have surrendered to the railroad corporations and is at present their chief supporter. In Kansas the 2-cent fare law has worked well. Honest railroad men will acknowledge that the passenger revenues have increased instead of diminished under its operation; but one of these days the Interstate Commerce commission is going to order the railroads of Kansas to increase their fares and by reason of this high priced commission, supposed to stand between the people and railroad extortion, the people of Kansas will be paying 2½ instead of 2 cents a mile when they travel.

Under the direction of our government regulation system a valuation of railroads and railroad property is going on. It is being done in a way that will make it of no possible value when finished, but it will cost many millions of dollars and will afford fat jobs for several thousand employees. It has been going on now for three or four years and will not be finished for 14 more. At that time the property listed and valued during the first years will all be in the scrap heap.

Regulation has not stopped discrimination in rates. It has not lowered freight rates to those who need

the reduction. It has not helped those who needed help. Corporate influences control the appointments of members of the commission and politics figures extensively in the selection of subordinates. The people are treated to vast masses of statistics put up in a form which does not interest the average citizen to the extent that he is willing to spend his time in reading them and which he would not understand if he did. Public utilities should be in fact public utilities. The element of private profit should be eliminated and that can never be done under private ownership. It must come under public ownership.

Opponents of public ownership say it would place a dangerous power in the hands of the government. They say that in one breath and in the next favor putting into the hands of the President of the United States a larger army than all the railway employees put together and giving him the power of an autocrat over that army. Regulation has never yet eliminated the evils of graft or of favoritism and has never brought substantial benefit to the people. The commissions appointed or elected to do the regulating are likely either to hamper the railroads with foolish rules or to surrender to the corporations and protect them against the just demands of the people.

Graft, Big and Little

If the holders of the stocks and bonds in the railroads of this country, which have been already manipulated to the ruin of the railroad corporations, can put thru the plan they are certain to try to put thru it will be the greatest legal graft ever known in this country.

This brings up the old question of graft, big and little. The question is often asked, What is the matter with the people anyway?

In my opinion the greatest trouble is a lack of conception of what is really honest. We need and have always needed a moral regeneration. We have permitted ourselves to believe that honesty can be defined by statute and that any action is justified so long as it is not forbidden by law.

The truth is that any man can be very much of a scoundrel and yet keep within the law. It also is unfortunately true that many of the laws have been made or at least framed by those who had a selfish interest in the making, laws which were intended to present opportunities for legal graft. The people are waking up somewhat to the scandal of receiverships, juicy legal plums which are handed out to court favorites who, under the authority and protection of the court, loot the property which they are supposed to protect and conserve.

Is it any wonder that there is a growing disrespect for law?

Is it remarkable that the petty criminal concludes that law is not a rule of justice but a cunningly devised scheme to punish the weak and permit the powerful to plunder without molestation? Is it remarkable that punishment of the small criminal tends rather to embitter him against society rather than to work a reformation?

We need a new birth of integrity, of fairness, of level justice. If we had that we could not only do away with most of our standing army, but we also could do away with most of our jails and penitentiaries. So long, however, as big graft is permitted and protected by law crime will increase and jails and penitentiaries will become more and more crowded. The dynamite bomb will become more common and destructive and human life and property less and less safe.

See the Country First

I read in the issue of August 5 in "Men of Small Means," your suggestion that Eastern Kansas renters move to Western Kansas. Permit me to give a few of my ideas. First, let me advise would-be movers not to move to any other state or part of a state without first visiting it for at least a month. That month may prove to be the most profitable one ever spent. Subscribe for the local papers of the county you think you would like. Never buy land anywhere to live upon without renting a year. You may learn enough in a year to be thankful you did not buy. If the reader feels as if this is the place, I would advise him not to buy at all but to rent. Land rents here, for the taxes up to \$25 a quarter section. This country once had three families or settlers to the section, the fourth quarter section being a tree claim. We now have about three families to the township and seem to have it pretty well occupied. A farmer here must use pasture, and it takes a section to pasture 40 head of grown cattle or horses. So if your down east renter buys a quarter section and cannot use any other land he can't do much but move away again like the thousands who have moved before. And do not buy land at \$1,440 a quarter section when it can be bought for half or less. It is better for a man of small means to invest his money in stock instead of land.

Last of all, Mr. Renter, be sure your women folks will be satisfied out here. I suppose that half of the women would go back East if they could. This will be a good time to come out for there will be several settlers to go back East and they can be bought out cheaply. We have had two rains since snow fell and we are getting ready to ship in feed to carry over the cows and heifers.

Possibly this letter is a little different from others

but I have no land to sell and do not want to buy any, and so have no reason to tell things other than they are. I have 80 cows, some Hereford bulls and about 125 head of young cattle. I milk two cows in the morning and let the calves run with the cows thru the day. We have two farmers shipping cream; the others let the calves have the milk. We will have no corn this year, but will have milo and cane if we get a rain. I have 100 acres of milo, sorghum and Sudan grass and wish to see that rain soon.

Selkirk, Kan.

A. H. Burg.

That strikes me as sensible advice. The other day a reader came to me to ask advice about the purchase of a farm here in Shawnee county. There are 280 acres in the farm. It is well located and good land. The price asked is \$16,000, which is not an unreasonable price at all. This man has a little herd of cattle, perhaps 25, and about \$1,000 in money. That would make it necessary for him to borrow \$15,000. Now he might be able to pay out. It looks like a tremendous load to shoulder but there are men who can shoulder this kind of loads and walk off with them. My advice to this man was to spend \$25 or \$30 in making a trip to Western Kansas, preferably Southwestern Kansas and taking a look at the country; studying the character of the soil, the climate, the school facilities and opportunities. Good land can be had down there at from \$5 to \$8 or \$9 an acre. Perhaps equally good land can be obtained in other parts of Western Kansas on just as favorable terms. I hold no brief for any particular part of the state and have no real estate interests in any. I realize the difficulties that the Western Kansas settler must encounter and the discomforts and hardships he must endure. I do say, however, that the man of small means who will adapt himself to the country can do vastly better in Western Kansas than in Eastern Kansas.

I am of the opinion after having traveled over most of that part of the state, that the man I was talking to, who is a fine, clear-eyed, intelligent and hard working citizen, can in 10 years in Western or Southwestern Kansas, become, not rich perhaps, but independent, and that without working nearly so hard as he will have to work in order to pay for a farm in Eastern Kansas. But while I believe this I would advise every one, before making settlement in Western Kansas, to go out there and give as much time as he can afford to a study of the country.

A Sort of Half Socialist

I liked the way you and Mr. Bishop handled the subject of Socialism in the Farmers Mail and Breeze of July 8. Mr. Bishop is an ardent Socialist who is well informed about Socialist doctrines. Perhaps if every citizen was as industrious and honest and conscientious as S. L. Bishop a Socialistic commonwealth would be a very practical government. I fear there are too many shirks and grafters and grabbers in this country or abroad for a government under Socialism to succeed, for a while yet, to say the least. If I had my way, I should Socialize all railroads, telegraph and telephone lines, which are used by all the people. I should not Socialize the land, for every family must have some land to build a personal and permanent home upon. I should limit the holding of land by taxation, so a man and his family could have only what they could farm by their own efforts; say a quarter section for each member of the family, and allow a man to rent his farm and retire at 50 years old if he so desires, and live off the rent 160 acres would bring him. When he died let his children and wife inherit his farm as they now do. This thing of allowing dukes and lords to buy up great tracts of land in the United States and draw rents to themselves in London, Paris or Berlin is all wrong. It is really too bad to allow American millionaires to monopolize the land, and make servants, (renters) out of our laboring farmers. If a man owns a farm, and farms it, he will improve it. If he owns farms for rent, the chances are, he will say, (to himself) "Most any kind of buildings and fencing is good enough for the care an average renter would give them." Hence, many rented farms have no buildings or fences worth while. I do not believe the land should be monopolized, either by the government or by the idle rich.

Clay Center, Kan.

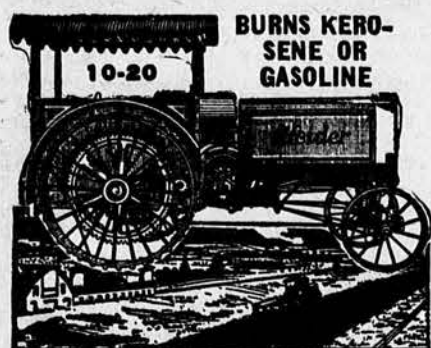
J. D. SHEPHERD.

Lawyer Government

Fragment from Gov. Capper's Address to Douglas County Farmers' Institute.

Lawyers sometimes imagine they are especially qualified to make our laws. And for the most part in this country we have taken them at their word, for we have been ruled as no other nation in history ever was ruled, by lawyers. We need lawyers in our law-making bodies, but in my judgment, lawyers in our halls of legislation, state and national, have had representation far beyond what their number entitles them to have. The bankers, the railroad men, the newspaper publishers themselves, though small in number as compared with the farmers, and owning nothing like the wealth which the farmers of this state own, have been relatively more successful in "getting what they wanted," because better organized and more insistent upon getting what they consider their rights.

I am not criticising any of these special business interests for attempting, when they do it legitimately, to influence legislation. I am criticising the farmer for his too common policy of not asking effectively for what he should have, and then sometimes complaining because he doesn't get it.



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WHEN WRITING TO ADVERTISERS BE SURE TO MENTION THE FARMERS MAIL AND BREEZE.

Real "Pep" is Needed

A College Training is Possible for all Boys Who Will Work

By F. B. Nichols, Associate Editor

THERE is a large appreciation in Kansas of the need for good training for young men who expect to be farmers. This has been growing rapidly in the last few years, and that is especially true this year. Many boys and young men are seriously considering the need for special training in farming. Will it pay to get this? Should it be obtained in high school, a short course at the Kansas State Agricultural college, a long course at this institution or on some good farm that makes a specialty of the line in which one is interested?

This matter of the preparation one should obtain for one's life work is a serious proposition; I know because I had these questions to decide myself. The years of training required to complete a long course at the college always look alarming to a young man, and in many cases the money required is even a more serious proposition. He cannot always see that it will pay to use this time and money in going to school; would it not be better to put this energy into starting to farming at once? As a rule he will find plenty of men who will tell him that only practicable knowledge learned in the school of hard knocks pays, and that it would be best to start into farming at once, and leave schools alone.

When a young man is at this point in his life it is best to get some information in regard to the more successful men in farming. What is the basis of success of the leading livestock breeders of the state? What has enabled the leading fruit men to make their big profits? What is the reason some men are so much more successful than others in farming?

Visit some of these leading men. When you go to a fair or to a meeting of farmers make it a point to find out the ideas which the successful men have in regard to their success. How did they win? What is needed for success by young Kansas farmers? What are the essentials for success in the future?

You will find that the basis of success of these leading men is specialized knowledge. The leaders are more skillful in producing some certain line than the average, and this has greatly increased their earning capacity. It is true that there is a very large number of these successful men who have not had training more advanced than the eighth grade, but it also is true that a large number of these men are sending their sons to Manhattan to get the advantages of the training they missed. This is especially true of the livestock men; competition among purebred livestock breeders is becoming harder every year, and it takes real brains to make



The Main Building of the Kansas State Agricultural College, Which is One of the Important Centers of College Life.

a success of the business today in Kansas.

The man who is a graduate of the animal husbandry department of the Kansas State Agricultural college has a larger grasp of the problems of livestock production than he ever had before. He gets a training that makes the big success possible, that enables him to see past the superficial to the real questions of production. More than the mere technical knowledge which he receives, he also gets a training in better living and in the brighter things of life, which will enable him to take his place among men—to be a better leader and a larger power for good in his home community.

The same thing is true with the boys in all lines who go to Manhattan—the animal husbandry course, however, has been especially popular. The work of the young men who have gone out from this institution is doing much to raise the standard of the farm animals of this state. This will be the rule to an increasing extent in the future, as the number is increased from year to year.

That there is a fundamental appreciation of the value of college training among Kansas farmers is well indicated by the amazing growth in the attendance at the Kansas State Agricultural college. The rapid, healthy growth of this institution is one of the best indications that its graduates are winning. The attendance has doubled in the last 10 years, and a very high percentage of this increase has been in the farm courses. The growth of the farm courses since H. J. Waters took charge has been especially rapid.

Not only is the attendance in the farm courses increasing rapidly but there also is a very high proportion of the young men who are going back to

the farms, as soon as they graduate or soon after. In many cases they wait two or three years, and this makes a comparison when the number is considered that returns to the farm as soon as graduated that is unfair, when these are left out. The larger number of young men who are graduated are absolutely without capital, for the percentage that works their way thru is always large, and of course this means that they must go to work for some one else until they have enough available money to make a start. Others consider that work for the United States Department of Agriculture or for some of the experiment stations, or some related work, offers good training to round off their college work, and so they take it. You can find these men going back to the farms two, three or five years later, with enough capital to make a start in the farming game, and with an appreciation of the vital fundamentals of farming that will soon put them ahead, as a rule, of the men without this training.

There is a pretty general appreciation of these facts in Kansas today. The value of the training at the college is recognized generally, and a very high percentage of the country young men and women would like to attend. The big thing that is holding down the attendance is a lack of money and nerve—in many homes an abundance of money is not available, and the young men lack the pep to start out without all the cash needed to take them thru.

It ought to encourage young men who do lack this essential money to know that there are hundreds of others in the same condition at the college. More than half the young men do at least some work to help support themselves, and a very high proportion depend entirely on their own efforts. Any young man who is normal mentally, physically, and morally can work his way thru the Kansas State Agricultural college without any great hardship. It is true that he may have to drop out a term or two, and that it may take him perhaps a year longer to get thru than the boy who has plenty of money, but he will have the real stuff when he gets his diploma. I have known hundreds of young fellows who have worked their way thru the college, and almost without exception they are making good out in the world.

So the lack of money is absolutely no reason for a young man not obtaining an education in Kansas today. If he has the right kind of nerve, if he has the essential ambition required for success he will go ahead and get this training no matter whether his father is rich or not. A high percentage of the graduating class every year is made up of young men who have received no help from home. They have had to use economy, of course, but the training in this regard has been good for them, and when they go out into the world and get to making good incomes they know how to appreciate and take care of

(Continued on Page 10.)



The Practicable Nature of the Soils and Crops Work of the Agronomy Department of the Kansas State Agricultural College is a Feature.

Sudan, a Paying Crop

This New Sorghum is a Dependable Feed Producer Even in Dry Years

BY G. E. THOMPSON

SUDAN grass is a tall, leafy annual grass belonging to the sorghum family. It grows to a height of 6 to 8 feet under reasonably good conditions. The crop was introduced into this country thru the courtesy of the Sudan government at Khartoum, Africa, by the United States Department of Agriculture. C. V. Piper, chief of the office of forage crop investigations, first grew it in the United States at Chillicothe, Tex., and from this point it has been distributed thruout the Great Plains region. Sudan grass has proved well adapted to drought, and is fast becoming recognized as a staple and dependable crop. It has now been grown from two to four years on all of the experiment stations in this state, and during the last two years has been widely distributed on farms. In 1915 there was approximately 20,000 acres of this crop grown within the state.

In so far as Kansas is concerned, Sudan grass is adapted to practically all soils except those which are very wet and poorly drained or those which are extremely alkaline or extremely sandy. The soil conditions generally favorable to Sudan grass are similar to those favorable to the other sorghums. It yields best in a rich loam or sandy loam soil that is well drained. Thinner and poorer soils necessarily produce lighter yields, altho Sudan grass, like the other sorghums, is an extensive feeder, and is one of the profitable crops on thin, poor upland soils. Being a native of a hot, dry climate, it is naturally adapted to the relatively dry conditions of Western Kansas, and it is in this part of the state that it will prove of most value.

Sudan grass can readily be used in any ordinary farm rotation. It is an annual, and can be substituted in the average rotation in place of corn or any other sorghum crop, or it can be grown in the longer rotations instead of the perennial hay or pasture grasses. It is not a legume, and will therefore not add nitrogen to the soil, altho its extensive fibrous root system contributes to the supply of organic matter. Careful study of its moisture requirements under field conditions and examinations of the root system at all stages of growth show that Sudan grass can draw moisture from greater depths of soil than millet, but it does not draw its moisture supply from as great a depth as do the ordinary sorghums.

Sudan grass is a crop that matures quickly and can often be used as a catch crop. Because it makes a much better sod than the ordinary annual grasses, and because its growth of foliage is rank and rapid, it has been, and no doubt will be, used to a considerable extent for pasture purposes. However, its primary use is as a hay crop. When once well started the forage growth is heavy and rapid and the hay produced cures easily and makes excellent feed. The plant produces seed readily and often makes a profitable crop to grow for seed purposes. It is also fairly well adapted for use as a soiling crop, and has been utilized to a limited extent for silage purposes, altho for the latter purpose it cannot compete with the larger growing sorghum crops here in this state.

As good preparation of the seedbed as is given to corn will pay in the growing of Sudan grass. Maximum yields will uniformly occur only on ground that has been prepared early by deep plowing, that is free from weeds, that contains plenty of available plant food and moisture, that is warm, and that does not blow. However, Sudan grass seed germinates easily, and good results are sometimes secured on ground which has been poorly prepared.

In planting for hay purposes the seedbed should be comparatively smooth and well compacted. A seedbed that gives good results with millet will be satisfactory for Sudan grass. When the crop is planted in cultivated rows for seed production, ordinary preparation of the soil, such as is given to corn, is sufficient.

Seed to be used for planting purposes should be of good germination, should weigh about 40 pounds to the bushel, should be uniform, contain no smut or other diseases of grains, and should be free from noxious weed seeds. The greatest danger in planting Sudan grass is adulteration with Johnson grass seed, and it is most important to make sure that the seed planted is free from it. As a precaution, northern-grown seed only should be planted. The most desirable seed is called "cream hull" from the color of the hull on the seed. Dark-colored or black seeds are objectionable. They may be pure, but they are usually considered an indication of sorghum mixtures or of Johnson grass, and therefore, unless the seed is known to be pure, should be avoided. It is probable that temperature and moisture conditions affect the coloring of the seed considerably, and in many cases seed known to be pure is dark colored.

Planting should be delayed in the spring until the ground is thoroughly warm. In general, the time for planting is the same as that for other sorghums, but may be a little later.

The rate of seeding should be governed by the purpose for which the crop is grown, by the type of soil, by climate, by rainfall, by the condition of the seedbed, and by the time of planting. When the crop is planted for hay or for pasture purposes anywhere in the eastern half of Kansas, from 20 to 25 pounds will be more satisfactory than lighter seeding and more economical than heavier seeding. In the western part of the state from 15 to 20 pounds will be better than heavier seeding. Where a lighter or smaller amount of seed is used, weeds are likely to give trouble. When an amount of seed as large as here recommended is used, it is best to plant with an ordinary grain drill. A wheat drill set to sow 2 pecks of wheat to the acre will ordinarily sow approximately 3 pecks of Sudan grass seed.

When the crop is planted for seed production in the eastern half of the state 3 to 4 pounds of seed to the acre in rows 40 to 44 inches apart—ordinary distance of corn—has proved most satisfactory. In Western Kansas, 2 to 3 pounds has given better results. With a seedbed well prepared and in good condition, with the ground well warmed, and with medium early planting, a slightly smaller amount of seed can be used than with a poorer seedbed and



Sudan Grass on Upland.

poorer planting conditions. When conditions are favorable, Sudan grass stools extensively, oftentimes 50 to 100 stems being produced by a single seed, and cases are on record where approximately 400 stems have been found on a single plant. In planting for seed production, usually the easiest method is to use an ordinary corn planter or lister, running the seed thru a milo plate. By testing the planter carefully, it can be regulated to sow the desired amount of seed with considerable accuracy. In case too much seed is being planted, a portion of the holes in the plate may be filled with lead; or if the seeding is too light, a portion of the holes may be reamed out from the under side until they are large enough to sow the desired amount of seed. Unless Sudan grass seed has been very carefully threshed and well cleaned there is a small awn or beard on the seed, which sometimes causes the seed to clog in the drill plates. Care should be taken to clean the seed and thus prevent this difficulty.

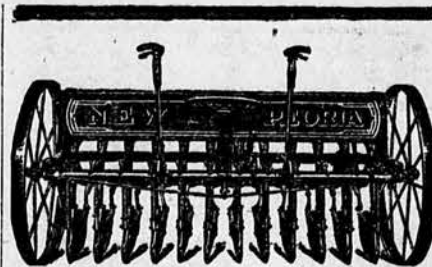
Another method of planting which has proved very satisfactory at the Hays station has been to plant by the use of an ordinary corn planter, placing the rows 44 inches apart. Then the field is planted again, splitting the middles of the first rows to make the final rows 22 inches apart. This uses about 6 pounds of seed to the acre. Yields approximately 5 tons of hay an acre in two cuttings have been secured by this method, the only cultivation being a single harrowing shortly after the grass was well started. As long as seed is exorbitantly high in price, this method is more economical than seeding with a grain drill.

The objects of cultivation are the same as in cultivating any other crop; to keep out weeds, to keep the ground open and in shape to allow moisture to be absorbed readily, to aerate the ground and aid in forming available plant food, and to leave the soil in such condition that the crop can be harvested easily. When the crop is planted with an ordinary grain drill, no cultivation is necessary. When planted in cultivated rows, the ordinary corn-cultivating machinery can be used. However, since the grass grows slowly for the first three weeks, the ground should be in good condition at planting time, for it is seldom profitable to attempt cultivation while the crop is very small.

Sudan grass in Kansas should, under average conditions, yield two cuttings of hay a season. Under favorable conditions three cuttings will sometimes be secured, while under extremely unfavorable conditions only one cutting will be obtained. Yields under average conditions should run from 1 to 4 tons or more for the season's crop.

Seed yields vary greatly. The average yield of the seed grown under field conditions without irrigation in this state has been about 300 to 400 pounds an acre. Yields in excess of 600 pounds an acre have been secured; and on a field scale, yields in excess of 525 pounds an acre have been authentically reported.

The future place of Sudan grass in Kansas agriculture is to replace to a large extent the use of millets as hay and to replace broadcast or drilled sorghums for hay. It will also be used to a limited extent for pasturing, being especially valuable to the small farmer.



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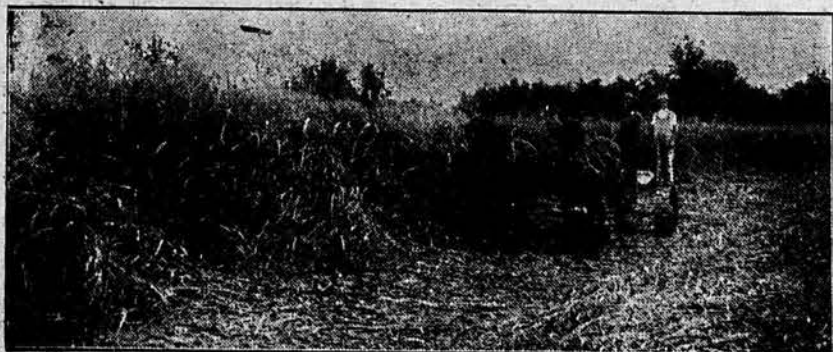
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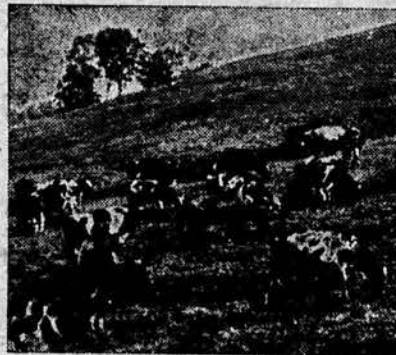
Minneapolis
Pittsburgh
Kansas City, Kan.

Kafir Has a Good Chance

A Recent Rain Helped Some in Coffey County

BY HARLEY HATCH

IF MORE rain comes at not too long an interval, we may raise some kafir. Since a recent shower kafir has taken on new life and shows signs of putting out heads. It would be a great help to have kafir for the chickens; I know of nothing which will cut down the household income quicker than a lack of feed for the poultry. The acreage of kafir is less than usual in this locality which is not fortunate.



behind the farmer's door; possibly not to be used every day but mighty handy to have in an emergency. So with the primary; we may not especially need it at every election but when we do need it, we need it mighty bad.

During our haying we broke an axle on our hay wagon.

The axle was a very poor piece of southern oak and had been broken half in two for a long time altho we did not know it. We sent at once for a hickory axle and this week put it in. We were careful with the work and made the wood fit the spindle all the way and I think now the wagon is much stronger than it was when first bought. Many of these cheap low wheeled wagons contain very poor wood and it is a wonder more do not break down when we consider the big loads of baled hay hauled on them. Our low wagon is too cheap; we shall never buy another of that kind. The tongue is fastened on to the front axle with eyebolts and this feature I do not like. The next low wagon we buy will have the tongue like those of regular wagons. I like the iron wheels on the wagon we have; the face of the wheel is not smooth but has a channel in which the spokes are headed and this channel helps to keep the wheels from sliding in a muddy time.

Since we started work in the spring a number of pieces have broken on the harness and it has been getting out of fix in a number of ways. Many of the broken places were fixed for the time being with baling wire, the universal farm repairer, while others were tied up so they would go for a time. The other day we secured a supply of things needed and this week put in half a day making the harness good again. We have lately broken a number of hame straps; the ordinary hame strap of commerce is getting to be a very poor affair and a 1,500 pound horse has no difficulty in going thru one. We have had new hame straps slit from one end to the other by a good strong pull. Because of this we are now equipping our harness with the patent chain fasteners and like them. They cost but 25 cents each and are both handy and strong. For the top of the hames these fasteners cannot be used but we got enough chrome leather straps 1 1/4 inches wide to take the place of the broken ones and I think these will hold for awhile. Our horses break these top hame straps by rubbing; they get their hames under something and give a heave up and that is the end of the ordinary 15-cent hame strap.

We have one late crop which is a success. This is alfalfa seed. The second crop was left for seed because we could not get to it in time to make good hay. When harvesting and cultivating were done and we could turn our attention to the alfalfa it was a mass of bloom and the stems were becoming very hard. By that time the weather began to indicate that dry times were in store for us so we concluded to run the chance of an alfalfa seed crop. And it is a chance, for if we had been given normal July rains we would have had a very light crop of seed. As it was, the first blooms made no seed but dropped from the stalk but the later ones filled well and we are now glad that we let it stand for seed. We did not need the hay for we must cut up our corn if we are to get anything out of it. There is but little of it which it would pay to let stand to husk; the other should be cut and fed to cattle or horses to get any profit from it. There will be corn enough on most of it to make it good feed and we can keep our cattle on this and be glad that the second crop of alfalfa was not made into hay but instead is maturing a seed crop.

The store bill is an expensive way of dodging the banker.

On this farm we probably will not raise as much corn as we did in 1901. The moist land on the farm which comprises several acres has always in previous dry years produced fine corn but in those years conditions were different; they were dry from start to finish while this year was very wet at the start. This early excess of moisture finished the wet spots on the farm and now the dry weather has finished the rest. The best show for corn on this farm is 10 acres of Golden Beauty which made a thin stand; here there are many ears and it is to this field we shall look mainly for our seed for 1917.

The man who farms west of the Missouri River must have many of the virtues of the soldier if he would succeed. He must not let one campaign or two or three decide the war but must go ahead like Washington and after years of hard luck he may arrive at his Yorktown. Every locality has its good points and if a man will but stick to one locality and follow there the line of farming best adapted to local conditions he will in the end come out ahead. We have been rather hard hit here for three seasons but I believe the tide will turn in our favor if we can just hold on a little.

This is a country of prairie grass. In this locality not half the land has ever been broken out and pasture and meadow produce well no matter what the season. This year pasture is good and the meadows produced a fine crop of hay. All this should indicate the line of farming to be followed. On every farm should be as many cows as the farm can well carry and these cows should raise calves for their owner. If we have not in the past received as much from our pastures and meadows as we should it has been due in large part to speculation in cattle and not to legitimate cattle raising. It is my honest belief that cattle raising offers more to the western farmer than any other line. You will notice that I said "raising" and I mean just that; let the other man do the speculating on "commission money."

During the first two days of this week we helped a brother finish his prairie haying. I have never seen prairie hay dry faster than it did in the week before the rain. I do not know what effect such drying would have on the nutriment in the hay but it certainly discounted the looks of it greatly. It is fortunate that practically all of the hay in this locality was made before the dry weather began to take hold. Because it was, there is now in store in this township the best quality of hay there has been put up since 1906. Practically all of this hay was baled and stored in barns; one sees but few stacks while driving over the country.

We took time enough off from work to go to the primary election altho our polling place is 8 miles from this farm. No interest was taken in the primary election this year and because of this many men are saying that the primary system is useless and an unnecessary expense. It may possibly be so in a year like this but it will not be long until we will be glad that we can have our say in the nominations and not leave them as in former days to the political fixers. To use the phrase of another, the primary is like the shotgun

More Crops Are Needed

An Increase in the Livestock Also Will Pay Well

BY L. E. CALL

BETTER methods of crop rotation are needed in western Kansas, although these are hard to work out. New crops adapted to western Kansas conditions are introduced frequently, and every new crop requires a little different manner of soil preparation and handling. It probably will be impossible to plan systems of soil management and crop rotation as definitely as the farmers of eastern United States have planned their rotations. It will, at least, be impossible to do so until we have greater knowledge than we have today of the soil, crops and climate of the region.

It is important, however, that a study should be made of the cropping systems that promise to be the most profitable. Such a study has been started. During the past 10 years the Kansas Experiment station, in co-operation with the United States Department of Agriculture, has made a study of the cropping systems best adapted to western Kansas. This work has been done at the stations at Hays, Garden City, Dodge City, Tribune and Colby and on the fields of farmers with whom we are co-operating. On these farms there are under way at the present time more than 200 rotations and systems of soil management. While this work is of too short duration to have determined definitely the best system of soil management for this region, a few important facts have been fairly well established. These are:

- (1) That the greatest success cannot be obtained by growing the same crop on the land continuously.
- (2) That a thorough preparation of the soil for crops is as essential in western Kansas as in the more humid regions.
- (3) That grain crops cannot be depended upon to produce profitable returns every season even though the best methods of soil management are used.
- (4) That forage crops of the sorghum family are the most dependable, and for the most profitable utilization of these crops, livestock must be kept.
- (5) That a sequence of crops should be arranged so the greatest possible use is made of all moisture stored in the soil.
- (6) That moisture can be stored in the soil by summer fallowing, and that an occasional summer fallowing is necessary in any well planned system of cropping.

The value of summer fallowing as a successful means of conserving moisture has been amply demonstrated. It has been proved beyond a question that moisture can be stored in the soil and held from one season to another by properly summer fallowing the land. The amount of moisture that can be stored in this way will depend on the amount of rain that falls during the fallowing period, the character of the showers, and the way the fallow is handled. It usually requires $\frac{1}{2}$ -inch or more of rain in order that water may enter the soil to a sufficient depth to be stored. Light, scattering showers simply wet the surface, and the moisture evaporates before it penetrates the soil to a sufficient depth to be held by cultivation.

In western Kansas from 20 to 30 per cent of the annual rainfall usually can be stored in the soil by summer fallowing. The big problem in fallowing land is not in preventing evaporation, but in getting the moisture into the ground. Moisture will not readily pass through finely pulverized soil. Therefore, a soil that has been fallowed and continuously

worked with a smoothing harrow absorbs water very slowly. In cultivating the fallow ground, it should be worked as little as possible with implements like the smoothing harrow and disk that pulverize the surface soil. It should be cultivated with implements like the spring tooth harrow and corn cultivator that leave the ground ridged, and that do not pulverize the small clods, but leave the small lumps of soil on the surface. This not only permits rain to be absorbed more readily, but also tends to lessen soil blowing where blowing is a danger.

The value of summer fallowing for storing moisture in the soil has been well shown at the Hays Branch Experiment station, where for the past five years four plats of ground have been cropped to wheat. Two of these plats have been cropped continuously to wheat and the other two plats alternately cropped to wheat and summer fallowed. One of the continuously cropped plats was plowed each year as soon as the wheat was removed, and the seedbed was prepared in the best possible manner. By this method, the plowing was done as early in the summer as was possible and still produce a crop of wheat each year. The other plat continuously cropped was plowed about two weeks before seeding and as good a seedbed as possible was prepared for the wheat.

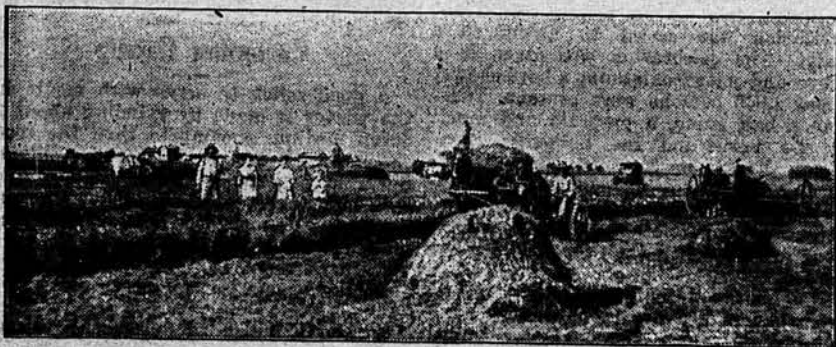
The summer fallowed ground has each season contained much more moisture than the ground continuously cropped. As an average of five years, the summer fallowed ground contained 4.5 per cent more moisture in the surface 6 feet of soil than the early plowed continuously cropped ground and 5.9 per cent more moisture than the continuously cropped, late plowed ground. The value of the larger quantity of water in the summer fallowed land is shown by the larger yields of wheat from this plat. As an average of five years, alternate cropping and summer fallowing has produced an average annual yield of 21.2 bushels of wheat an acre. This is an increase of 7.4 bushels an acre over continuous cropping where the ground was plowed early in the summer, and an increase of 12.4 bushels an acre over late fall plowing.

Results of Fallowing.

In alternate cropping and summer fallowing, but one crop is obtained in two years. And twice as much ground is required for the same acreage of wheat as when the ground is continuously cropped. Therefore, in order to make the results comparable the yield of wheat on the fallowed ground should be divided. If this is done the average yield of wheat on the summer fallowed ground is 10.6 bushels an acre, which is 3.2 bushels less than early fall plowing, but 1.8 bushels more than late fall plowing. It is, therefore, evident that although but one crop is produced in two years that the practice of summer fallowing is more profitable than late fall plowing.

Where such a large acreage of wheat is grown that the ground cannot all be properly prepared for the crop early in the season, it will prove profitable to summer fallow a portion of the wheat land. In summer fallowing, it is necessary to sow, harvest and thresh but one crop in two years, so the cost of producing a crop of wheat on summer fallowed ground will not be twice the cost of producing wheat by the best method of continuous cropping. In fact, when

(Continued on Page 18.)



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No matter how many or how few head of stock you have, we can furnish you the silo you need. Perfection Metal Silos are made in sizes from 9 ft. 6 $\frac{1}{2}$ inches inside diameter to 21 ft. 6 in. The "Perfection Junior," built for the farm with but a few head of stock, in sizes from 9 ft. 6 $\frac{1}{2}$ inches to 14 ft. 4 in. "Silver King Silos" (on which we make a special price while they last) in sizes 12 ft. 5 in., 14 ft. 10 in. and 17 ft. 3 in.

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There is no other way by which you can save the crop. The Perfection Metal Silos will not only save a larger percentage of the feed, but they are the easiest to erect, the most convenient to use, and are by far the cheapest in the long run. Our special discount (given you in place of a commission to traveling men) puts the Perfection within reach of every farmer in the Corn Belt.

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Sailors of the
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Get your feet into the socks the marines and sailors wear—long-lasting, soft, well-knit, foot-comforting Durable Durham Hosiery.



Yes, the marines and sailors wear 'em, work in 'em, play in 'em, and, if need be, they'll fight in 'em, too. And the reason:

Durable Durham Hosiery stands the gaff of government inspection, the most rigid of examinations. Each separate thread of each separate sock must measure up. Durhams do. And this is the evidence:

404,416 pairs of Durable Durham Hosiery were recently shipped to the Navy Department. 100,000 pairs were for the marines, 16 pairs were rejected. 304,416 pairs for the sailors, only 5 pairs weren't up to snuff. And these only because they had been damaged in packing.

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There is a sock for you in the Durable Durham Line that's got every bit of the comfort and the durability that the government specifications demand for the wear of the sailors and marines—the identical strong, reinforced toe and heel—knit of the same yarn and with the same care—but it is a smarter sock, with uppers that are sheer and light.

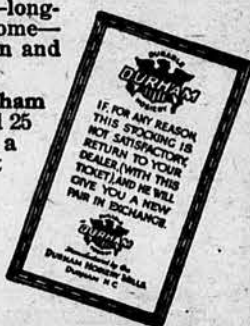
We have named this sock 1700 G. S. It is a regular number of the Durable Durham Line.

It will wear like iron—there is a fit for every foot, and 1700 G. S. is surely smart. Exactly the same—long-wearing, strong, grateful to the feet and handsome—are The Durable Durham stockings for women and children.

And the wonderful part is that Durable Durham for men, women and children sell for 10, 15 and 25 cents the pair. Each pair is guaranteed with a guarantee so broad and strong that you might have written it yourself. This guarantee is made, possible only by expert manufacture and rigid factory inspection

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Boys and Girls Preferred

Grace Hill Community Makes a Specialty of Its Young People

BY L. D. GRIFFEE

THERE are many fine country neighborhoods in Kansas—communities in which the neighbors pull together and are making life pleasant for the boys and girls. One of the best of these communities lies near Belleville and includes several school districts. It is frequently spoken of as the Grace Hill neighborhood, taking its name from one of the school districts.

The boys and girls of this neighborhood for the last three years have been organized in the Grace Hill Agricultural club. This club has two divisions, a boys' club and a girls' club. The girls' club last year did work in domestic science and art and this year they are carrying on work in churning, canning and pig raising. It is really a mothers' and daughters' club. This is a good thing for the girls and incidentally a mighty fine thing for the mothers. Pig

required and many times the natural man would rather sit in a cool place and read the paper than go to a meeting of a boys' club. A certain amount of what is popularly termed "pép" is required to keep a public enterprise of any kind in motion but if that movement keeps the boys and girls interested in good things and satisfied with farm life, it is effort well spent. We have room in Kansas for many more communities like Grace Hill.

Be Fair to the Daughter-in-Law

"I don't see how you can appear so indifferent about the girls your boys go with," remarked a privileged friend to the mother of two sons. "If it was my mother, she would be frightened to death every time a new girl appeared on the carpet."

"But why?" inquired the older woman. "They must make a choice some time and they, not I, must live with the girls they marry. Even tho their choice would not be congenial to me, I should have no right to interfere. Then again, it would be not only unfair but unwise as well. Opposition frequently hastens a match instead of delaying it. More than once have I known couples to marry thru sheer obstinacy or opposition. I have heard one family of four sons insist that it was like a funeral in the house for six weeks before each boy was married, not because of any serious or special objection to the prospective daughter-in-law, but only because that mother was going to lose a son and he never would be the same to her again."

"Years ago, a neighbor said to me something that I can never forget and for the benefit of some critical, short-sighted mother, I want to pass it on with the hope that it may sink in and make her more tolerant and considerate of her future daughters-in-law."

"Whatever else I may fail in, I am praying God that the girl who marries my son may receive from me the same kindness, the same fairness and justice and love that I earnestly wish could have been shown to me."

Carrie May Ashton.

Rockford, Ill.

Dill Pickles

Make a brine of 1 cup of salt to 1 gallon of water and soak the cucumbers over night. Lay a layer of fresh, clean grape leaves in the bottom of a stone jar, then a layer of pickles and a little dill, then another layer of grape leaves and so on until the jar is full. Cherry leaves may be used with the grape leaves if desired. Boil together a few minutes a gallon of water and a cup of salt, cool the brine and pour it over the pickles. Cover with a clean cloth and place a weight over the top so that the pickles will stay down in the brine.

Mrs. A. J. Smith.

Kingman Co., Kansas.

Don't Pare Peaches

Prepare ripe peaches for preserving or canning by placing them in a stone jar and covering them with boiling water. Let stand about 2 minutes then drain off the hot water and cover the peaches with very cold water. The skin slips from the peaches readily and thus the tedious job of paring them with a knife is avoided. By this means I have put up a bushel of peaches in little more than an hour.

Mrs. W. A. L.

Harper Co., Kansas.

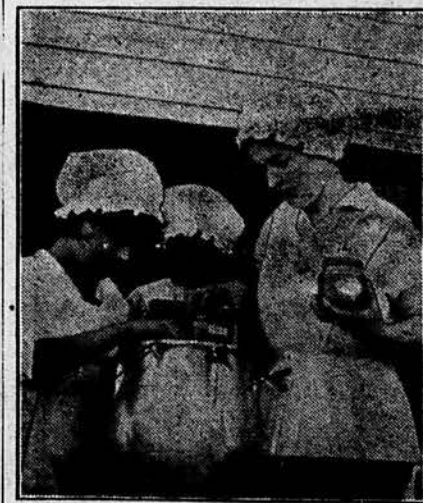
Cucumber Catsup

A good relish to serve with meats in the winter is made by grinding about 3 dozen medium cucumbers thru the food chopper with 4 or 5 small white onions. Sprinkle generously with pepper and salt and cover with hot cider vinegar. Seal in wide-mouthed bottles and pour melted sealing wax over the corks.

Mrs. T. S.

Pottawatomie Co., Kansas.

A small bunch of absorbent cotton makes an excellent powder puff for baby's morning bath.



The Girls Have a Canning Club.

raising is supposed to be a boys' specialty but if you think girls are not successful raisers of pork you should see some of the fat and pampered specimens in the Grace Hill neighborhood.

The boys' club is carrying on contests in corn and pig raising and also doing some manual training such as the making of a farm gate, a fly trap and a mail box. Most of the boys are old hands at corn raising and some of them took prizes at the county institute last year. Every one of these clubs has the help of an advisory committee of three members, fathers or mothers as the case may be.

The boys and girls of these two clubs have captured an imposing list of prizes at both the state and county institutes. Among the awards given at the state institute was first place on the exhibits of the club as a whole, and first and second places in bread making. In the county institute they took first place as a club and a whole list of prizes in special lines such as bread making, sewing and corn raising.

When Town Came to Country.

One of the pleasant features of the general meetings of the society is the music furnished by the Belleville Center chorus, a chorus composed of boys and girls from one of these districts. They sing without any fancy flourishes but they have sung to some good-sized audiences and their hearers always seem to enjoy the music.

This year the community decided to hold a Fourth of July celebration. On second thought they concluded to invite the town as well as the country. The Belleville Commercial club accepted the invitation and voted to attend in a body. The celebration was given in a grove and notwithstanding a hard shower about 1,000 persons were present. There was a ball game, a program and music by the chorus and the Belleville Boys' band. Professor Kent of the Agricultural college made an address. His subject was "Patriotism" and he paid more attention to patriotism in the neighborhood of Grace Hill than on the Mexican border.

Neighborhood enterprises like these are what makes life in a country community pleasant. None of these things has cost the Grace Hill people much money. Some time and effort has been

Have a Hot Weather Party

BY MRS. DORA L. THOMPSON.

We shall have our annual Sunday school picnic, August 10. We have invited all the Sunday schools in the district this year to join with us in having a good time. Each Sunday school is to provide 15 minutes entertainment. The school furnishing the best "stunt" will be given a good picture to hang in their school room. Our local school's effort consists of a watermelon chase ending in a short minstrel program of song, story and conundrum.

The June number of The Farmer's Wife magazine contained an excellent suggestion for entertaining friends when the hot weather makes the usual methods of entertaining disagreeable. The writer, a New York woman, said she sent the following invitation to eight friends: "Come to my home Tuesday at 3 o'clock. Don't be late and don't dress up." When the guests arrived, they found eight knobby looking bundles on the table, one for each to carry to a grove nearby. Each package was numbered. After each guest had found six stones of uniform size and some dry wood, the bundles were opened in order. No. 1 contained two lightweight blankets that were spread on the grass for all to sit on. A fireplace was built from the stones. Package No. 2 was found to contain some kindling wood, paper and matches. No. 3 was a large, covered tin pail; inside of which was a bottle of cream and a cloth bag containing coffee. The pail was half filled with water and set over a lighted fire in the fire place. The bag of coffee was placed in the cold water. When the coffee was made, the package numbered 4 was opened. This contained a frying pan, sliced bacon, and a box of eggs. Another package had for its contents a paper tablecloth, napkins, and paper plates. No. 6 was cups, forks, spoons, salt, pepper and sugar. No. 7 had dozens of sandwiches—brown and white bread filled with nuts, lettuce, jam, minced ham and cheese. It was like a guessing game to see what the "eats" were to be. No. 8 was a large bowl of potato salad; No. 9, a jar of pickles, and three boxes of fancy cakes; and No. 10, a jar of cream and a box of home made maple and hickory nut fudge. When every dish had been emptied, the paper cloth, napkins and plates were burned. The cups, spoons and forks were packed in the coffee pail—and the dishes were done!

This woman's idea is similar to a hot weather party we enjoyed not long ago. The friend whose turn it was to entertain our club had two little children, one a baby. She wished to entertain her friends but she couldn't possibly do the work. Some one suggested that she let the guests do the work. We, too, were asked not to "dress up." Each guest was decorated with a badge. One was Chief Cook, another Bottle Washer; another, Decorator, and several Assistants. All told, the work of setting the table, cooking the supper and doing the dishes was divided up among the guests. Our hostess had planned the menu and provided the materials. It was twice the fun it would have been to sit down to a meal already prepared and no one had worked until she was "ready to drop."

Friends in Iowa write that in their neighborhood they have all agreed that men helping with the threshing shall always go home for supper. There are some ways in which this seems like a wise agreement. Many times the only help in the kitchen is that kindly given by neighbor women. They are generally needed in their own homes at chore time. When the woman of the house has all of the supper work to do, it is often near midnight when she finishes her task. Getting supper for one is not an arduous task. Division of labor might be a good scheme here as well as elsewhere. The idea is worth considering.

Cancer Does Not Come Back

Ideas about cancer have changed materially in the last few years altho no real cure has been found for it if the disease has reached an advanced stage. It used to be thought an operation did no good because the cancer was sure to return. The American Medical association is authority for the statement that

if the original malignant growth is entirely removed, the cancer cannot come back. Recurrence is a definite and direct continuation of the original growth, and comes because some part, however microscopic, was not removed.

In modern operations for cancer in order that the removal may be complete or that no tissue containing the dangerous microscopic cancer cells may remain, the organs or parts in which the growth is located are removed as widely as anatomical relations will allow. In the early stages cancer is a strictly local disease and the surrounding tissue only becomes involved as the disease progresses. If the growth is discovered and removed very soon after its inception the operation can scarcely be classed even as "dangerous." Any lump forming on the body should be investigated as soon as it appears. If one waits until pain is felt and does not permit operation until the growth has spread through the adjacent glands and tissue the uncertainty of getting out all the malignant cells is greatly increased. So it is very easy to see that in the early removal of cancer lies the hope of cure—and the earlier the removal, the stronger the hope.

Rompers for the Little Folks

The little folks are always needing rompers and this is a good pattern to cut them by. The front of the drawers and the waist are in one piece and the drawers button to the waist in the back.



There are bands of contrasting material on the sleeves and trousers and the collar and tie are of the same material. Cut in sizes 2, 4 and 6 years. The pattern is No. 7881 and may be ordered from the Pattern Department of the Farmers Mail and Breeze, Topeka, Kan. Price, 10 cents.

A Good Floor Polisher

A polisher for oiled floors can be made from a man's discarded felt hat fastened securely over a longhandled brush. It takes up dust without scratching the floor. If you have not the brush, make a solid pad of old rags, cover it with the hat and attach an old broom handle to it.

A Crochet Help

If you get puzzled when trying to work out a design in filet crochet, try placing a strip of paper over the second row of the design you are copying, fastening it at each end with paper clips. Move the strip one row at a time as you keep on crocheting.

Wash unshelled peas carefully, discarding all spoiled pods, and cook pods and all in boiling water until tender. The pods break and rise to the surface while the peas sink to the bottom. This method saves labor and improves the flavor of the peas.

To peel oranges, pour boiling water over them and let them stand several minutes. The thick white skin will then come off with the outer peeling.

To keep rice from boiling over rub the rim of the pan with butter before you put in the rice. This applies to other cereals also.

A mustard plaster made with the white of an egg will not leave a blister.



The Goodyear Dealer's Platform:

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The first element of convenience is to be able to get Goodyear Tires when you want them.

So Goodyear Service Station Dealers are located everywhere. By the sign above you will know them.

In the rural hamlets, in the medium-size towns, in the big cities—everywhere you may be or may go, you will always find a Goodyear Service Station Dealer within easy reach.

And the men in this wide-spread organization aim to earn their reasonable profit by giving real service.

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The Seed Children Fly Away

After They Found Their New Homes They Slept until the Warm Rains Awakened Them in the Spring



SUCH excitement as there was among the seed children! It was almost time for the annual moving day. What did it matter if they were breaking home ties? They were at last to see the great big wonderful world of which they had heard so much and seen so little. Was it any wonder they could scarcely wait until the time came to go? If the mother plants were sorrowful at the thought of their babies leaving the home gardens, they gave no sign. With patient care they were selecting and packing away in each little seed the most strength-giving plant food they could find. They sent their rootlets far into the soil to find the food the good brown earth could give. They spread their leaves to catch the warmth of the sun and the moisture of the gentle rain. And they did not have a minute to spare, for everyone, even the smallest baby seed, must be made ready for the coming journey.

And then one bright, sunny morning the time came for the moving. The gentle south wind caught up a lovely white-winged dandelion seed and took her from one home garden to another to tell the mother plants that their seed children must be on their way to find the new homes.

"See me fly," the happy dandelion seed had called out to the thousands of baby seeds tucked away in their warm cradles.

"O Mother, dear, may we go now?" begged the thistle seed children.

"Shake out your wings, little ones. Take care of yourselves and trust the gentle south wind to carry you far away. Good-by," answered the thistle mother, as a gust of wind shook her. Out flew all of her family!

"Ha! Ha! See my wing," said a maple seed. "I can sail like an airship."

"You are not the only aviator," laughed the ash seed as she pointed her sail toward a basswood seed hanging to its leaf-wing.

Just then a pine seed and a catalpa seed flew over the maple seed, calling out: "There are many kinds of air-crafts in these modern days, maple seed."

How all of the seed children laughed! "Get out of my way," cautioned a tumbleweed. "My children cannot fly, so I go with them. New homes can be found all along the way. I just dropped two seed babies by the side of that stick!"

Over and over went the tumbleweed, dropping her seed children at every turn. When she landed against a fence, a milkweed seed shouted: "Good-bye, neighbor tumbleweed; it is a good thing I have a plume wing like the dandelion and the thistle. A fence does not stop me."

Bang! Bang!

"Don't be frightened, little fern seeds, that was only the bursting of a wild bean. She must twist the two halves of her pod to shoot out her seed children. Some day this little spring along the back and over the top of your seed case will straighten up and—bang! out you will go. Roll as far as you can."

"My mother told me the same thing," said the gentle voice of a tiny round seed baby near the fern. "Mother violet kept all of my brothers and sisters in a three-sided cradle. One day, pop, went one of the sides, and out I rolled all the way down that big hill. O, but it was fun!"

"Not so much fun as this. Who would roll when he could rise?" asked a Spanish needle seed hanging to the tail of a cow. "I have company, too. Here are beggar ticks, sand burrs and stick-tights.

We call ourselves the Hitching On Acrobats."

"Doesn't that sound like a circus?" asked the burdock seed from his place on the cow's ear. "My mother told me that she caught a ride on a really, truly circus tent and traveled over two states before she was knocked off. She saw men acrobats every day and hundreds and hundreds of school children."

"Talking about school children," said the cocklebur, who was enjoying her ride on the leg of the cow, "I am hoping every day that one of them will find me, and you, too, pretty burdock. They can stick us together and make us into the most wonderful doll furniture."

"They burn you up when they are tired of playing with you," whispered a wild grape vine. "Farmers do not like hitching on seeds in their fields. But they like me, for they plant my seeds around old trees and fences. I call the birds, and farmers want birds near their fields. Then, too, I give the farmer's wife juice to drink and to make into lovely grape jelly."

"Birds are helpers," called out a number of wild flower seeds clinging to the soft mud on the feet of a Robin who was perched on the top of the grape vine. "While this redbreast was eating a dreadful looking worm he picked us right up on his feet and the next thing we knew we were having the adventure

(Continued on Page 13.)

Does Coffee Disagree

Many are not aware of the ill effects of coffee drinking until a bilious attack, frequent headaches, nervousness or some other ailment starts them thinking.

Ten days off coffee and on

POSTUM

—the pure food-drink—will show anyone, by the better health that follows, how coffee has been treating them.

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What Shall I Do, Doctor?

BY DR. CHARLES LERRIGO.

I am writing you in regard to falling hair. My brother, a young man in the twenties, has had considerable trouble. We live in the country, and have the purest foods to eat. Physically, he has had stomach trouble until the last year, but has been much better. He consulted a home doctor, who said, "Let nature take its course!" and use no patent hair tonics; which he had never done, nothing but olive oil. He has worn an old linen hat all summer and last winter a knitted cap. He has no bad habits of any kind, doesn't use liquor or tobacco in any form, and spends his evenings at home except going to church. Last but not least he doesn't inherit it from either side of the house. Both grandfathers lived to be past seventy and had lots of hair when they died. He shampoos it with egg and uses Packer's Tar Soap. There is no disease, apparently, of the scalp, his head seems to be clean. He has massaged his scalp for years and the scalp is loose.

BUCKEYE.

Anyone looking at the picture of the editorial staff of the Farmers Mail and Breeze in the issue of June 15 will see at once that but two members are blessed with the privilege of absolute immunity from hair troubles. My friend the Hon. Tom McNeal is one, but does not wish to encroach on this department with his wisdom. Luckily, I am the other. I can offer a world of sympathy to this young man in the twenties but I fear that in his case neither sympathy nor advice will do much good, for he has already undergone very sensible treatment.

The disease, for it is a disease, is common enough to have a name of its own "Alopecia Prematura Idiopathica." The last word signifies that the cause is not clearly known.

What your doctor has said is all right so far as it goes; wearing stiff hats or constricting the scalp in any way certainly are provoking causes. The chief cause of early baldness (premature alopecia) however is the dandruff which usually precedes it. This dandruff is the result of a disease of the oily glands that lubricate the hair. Every reader of this column has seen the whitish-gray scales that so persistently form a top dressing to the collar of the coat. It does not necessarily mean that the wearer is hastening on to premature baldness, but it is a danger signal not to be ignored.

Now this young man has taken almost all of the usual measures of cure. He has massaged the scalp, he has worn loose headcoverings, and he has used shampoos. I feel that in his case, the trouble not being hereditary, there is still some hope from local treatment. He should use a stimulating shampoo composed of equal parts of glycerine, alcohol, and tincture of green soap, once a week. Every night rub into the roots of the hair with the fingers a stimulating lotion; use enough vigor to make a decided sensation in the scalp but do not wound or irritate.

Young men and women who have a mixture of dandruff and falling hair to contend with must bear in mind that early treatment is required if they do not wish to be bald. Every scalp from which the hairs are falling requires daily, gentle friction with a hair-brush, the bristles of which penetrate to the scalp and cause a gentle stimulation without wounding the skin. Care should be taken to avoid sweating the scalp and to this end a hard pillow should be used at night and loose hats should be worn. Never use a public hair-brush. The brush and comb should be individualized just as strictly as the tooth-brush. Singeing the hair is worse than useless.

As to the use of patent hair-restorers I fear that they produce little but hope. Persons living near wide-awake towns often can secure the service of a professional hair-dresser whose treatment is really worth while.

I wish to add a word of consolation from a personal standpoint. There are worse things than losing the hair, for an adult man whose matrimonial plans are already matured. The saving in time has been figured by Mr. McNeal to be 3,650 minutes annually—a full working week. The polished crown adds much to one's dignity of appearance. If a fairy godmother put wishes at my disposal I would waste none of them on a hairy crown.

My husband and two sons are out of doors a great deal. The air is dry here and very much in motion. They are troubled with sore lips nearly all the time. Is there any permanent relief?

MRS. H. D. B.

The chapping of the lips from wind and weather can be relieved a great deal by rubbing olive oil on the lips before leaving the house. Cracks in the

lips will heal best when sealed by colodion. In some cases chapping is prevented by rubbing in a hardening mixture composed of equal parts of tincture of benzoin, glycerine and alcohol, but of course this must be used with care around the mouth.

I can squeeze out of my face little things that look like very small worms; they actually seem to squirm. A friend of mine says they are blackheads and not alive at all. What shall I do for them? I am 16, in good health, and have a pretty complexion except for these things.

ROSE B.

Blackheads is the name commonly applied to your "skin worms," tho the correct name is "comedo." They are not alive but are little plugs of sebaceous matter which take their wormy shape because of being molded in the ducts of the sebaceous glands. Quite generally they are associated with acne which is an inflammatory disease of the sebaceous glands very annoying because of its ugly display of pimples. When the comedones reach a mature stage they may be squeezed out without much trouble. They come more readily if the face is treated with tincture of green soap dissolved in an equal amount of cologne water. Bathing the face in very hot water alone is helpful in expressing the blackheads. It is a great mistake to squeeze the skin persistently before the plug of matter is loose, for the result is always an aggravation of the trouble. Sometimes they are associated with little pustules and may then be treated to advantage by opening with a good-sized cambric needle, boiled for the occasion. After treatment the parts should be bathed in a warm solution of boric acid and a little zinc oxide ointment applied.

To avoid comedo keep in as good general health as possible, maintain good elimination from the bowels and kidneys and keep the whole skin active. The morning cool bath followed by brisk friction with the towel or with a flesh-brush until the skin is glowing is helpful. Some persons find it of benefit to add ¼ pound of common salt to each gallon of the bath water, but this is not always true. Patients with acne and comedo must guard rigidly against over-eating and also against under-drinking.

The Seed Children Fly Away

(Continued from Page 12.)

we had always longed for—a swift flight thru the air."

"What if he had dropped you into the water?" asked a small seed at the foot of a grape vine. "You would have sunk and been lost. I am a moss seed but I can float. The river is my best friend. Look out on the river, wild flower seeds, and see all of the seed children who can float. Some of them have sails. Just think what wonderful adventures they have when finding new homes. The river is the place for me and my family.

Just then a great gust of wind came and scattered the friendly seeds in many directions. Each day brought them new adventures. Thru the air, on the water, and over the land they went until one after another found a new home. Flying, tumbling, being shot, rolling, sailing, swimming, and hitching on, the gay company of seed children traveled on their way.

At last winter came, with its snow and ice, and the seed children settled themselves for a long sleep. There they slept and dreamed happy dreams until the warm rains of spring said: "It is time to grow."—Carrie Hill Hoffmann in the Epworth Herald.

SAVE THE CORN CROP.

The silo is the only salvation for this year's corn crop on many Kansas farms. You can turn your loss into profit by converting the standing corn into silage. The Perfection Metal Products Company, 1003 Jefferson St., Topeka, is giving a special discount on August orders for the Perfection Metal Silo. All sizes. Five year guarantee. Get their discount sheet. It will save you money.—Advertisement.

When a man or a woman meets some really great trouble in life they either break down completely, or else cease to worry about life's little and trifling things.

There is one thing to be said in favor of government ownership: It would make a lot of fat jobs for ourselves and our relatives to go after.

John Deere Implements

John Deere Spreader

The Spreader With The Beater On The Axle

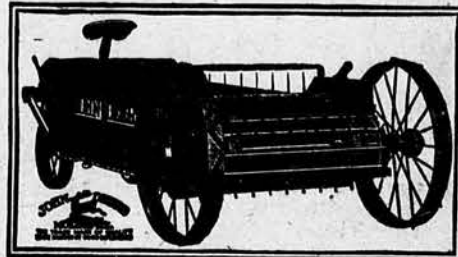
BEATER drive works on the principle of a horse power. No clutches, no chains, no trouble. Mounting the beater on the axle (a patented feature) does away with half the types of castings.

Only hip-high to the top—but has big drive wheels. Wheels out of way when loading.

Here are three exclusive John Deere Spreader features—read them over and then be sure to see them on the spreader itself:

1. Beater on the axle—nothing else like it.
2. Revolving Rake—load moving back to beater revolves the rake. Draft actually less. Even spread certain—no bunching.
3. Ball Bearing Eccentric Apron Drive—requires no attention.

If you want to distribute manure seven feet wide, use the John Deere Wide Spread Attachment. Write for free booklet.



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With High and Level Power Lift

PRACTICAL plows for the average farm. Work with any standard tractor.

Controlled by the man on the tractor. Pull the rope and all the bottoms raise high and level. Another pull lets them down.

Plows raised or lowered in fourteen inches ground travel. This makes square headlands.

All bottoms raise high—like a double-ball, high-lift horse plow. Plows do not clog or gather trash on the turn.

Extra wide and semi-floating front truck means uniform work and even depth of plowing.

Extra beam and bottom, readily attached, increases regular two-bottom plow to three or regular three-bottom to four, as desired.

Equipped with Quick Detachable Shares—save 80 per cent time changing shares.

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The Drills with Adjustable Gate Force Feed

THEY plant any small seed—alfalfa to bearded oats, peas or beans.

Amount sown per acre easily regulated merely by shifting feed gauge levers.

All the ground sown, because the Van Brunt adjustable gate force-feed compels seed to leave hopper in even, continuous streams—no bunching or choking up—and an equal amount goes into each furrow.

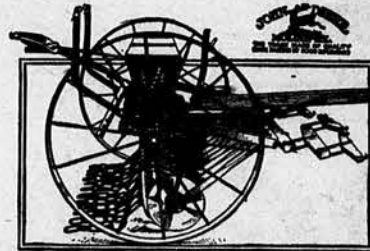
An even stand of grain is secured, because pressure springs compel all the discs to cut furrows of even depth, and the closed forward delivery places seed at bottom of these furrows.

Van Brunt Drills do not clog up. Scrapers keep discs absolutely clean.

Smooth running—each wheel drives half the feeds, equally distributing the work. A direct, double, gear drive from the continuous axle.

High grade discs with bearings that are guaranteed to last lifetime of drill.

Grass seeder attachment can be furnished which will drill or sow broadcast, as desired. Write us for free booklets.



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John Deere Moline Illinois

A Real Fair for Marshall

Marshall county is to have a big county fair. The name of the new organization is the Marshall County Fair and Stock Show association. It is very likely Marshall county has more purebred stock breeders than any other county in the state. While this is to be a Marshall county organization and supported and patronized by Marshall county as a whole it remained for the bunch of hustlers in and around Blue Rapids to promote the enterprise.

Blue Rapids leased 30 acres to the association for 30 years and in many other ways helped to promote the fair and show. The dates of the show are October 3 to 6, and as the show is state wide it is expected that exhibitors will be there from all over the state. More

than \$6,000 is being spent on the new race track and when finished it will be one of the best half-mile tracks in the state. Buildings are being constructed rapidly and everything will be in readiness for the big four days' show in good time. All the other towns in Marshall county are getting behind the big show and consider it an opportunity to do something big for Marshall county and the purebred stock breeders. Premium lists will soon be out and you can have one by addressing the secretary at Blue Rapids, Kan. The officers elected are: Neal Robinson, president; C. J. Brown, secretary; and W. J. Gerard, treasurer.

A motor car will be placed on the Leavenworth & Topeka tracks and furnish a morning service into Topeka for residents of Oskaloosa and Ozawie.

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Practically every farm in your territory needs draining. The owners will pay well for the work. You can ditch ten times quicker with a Buckeye than by hand and can make more money than you'd make on 100 acres of good land.

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It cuts ditches of different widths and depths, through any soil. Ditch in perfect grade all ready for tilling. Operates under its own power and two men can operate.

The Buckeye has proved itself equal to every test and a money maker for its owners. Many are finding it even more profitable than farming.

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"I certainly think the Buckeye Traction Ditcher is O. K. or I would not have bought my sixth one. We have dug from 30 to 300 rods in 10 hrs. according to soil and depth. We consider 120 rods an average day's work. A man can make more money with a Buckeye than with the best 100 acres I know of."—C. C. Mann, Washington C. H., Ohio.

"My net earnings with the Buckeye in 34 days were \$1,902. The treatment and service your company has given me is all that any fair minded man could ask."—Ed Uvaas, Larsen, Wis.

Write for Catalog and Complete Information.

The Buckeye Traction Ditcher Co.
349 Crystal Ave. Findlay, Ohio

TOM McNEAL'S ANSWERS

A farm machine is purchased on installments. The machine is guaranteed to be equal to any of its class. It falls to do the work, occasioning considerable loss of time and damage. The company is notified of its failure by letter and is informed that the machine is being held subject to the company's orders. The company threatened suit and was asked to send an expert and if he could make the machine work satisfactorily before a committee of good farmers, familiar with such machines, the contract would be considered in force. After some correspondence along this line the company apparently dropped the matter. A mortgage on personal property was given as additional security at the time of the purchase of the machine. How long will this mortgage hold good in Oklahoma providing no payments or renewals were made? What procedure would be necessary to annul such a contract?

C. V. W.

A mortgage is of course only an incident to the contract and outlaws with it. In Oklahoma a note outlaws in five years. However, if you can prove the facts as stated in your letter your note and mortgage are voidable right now provided they have not passed into the hands of innocent third person before due. I am loth to advise any man into a lawsuit, because as a rule he is a loser even when he has a just cause. If it were not for this reluctance I would advise in this case that you begin an action to annul the note and mortgage and couple with it an action against the company for damages.

A and B have rented a farm in partnership. A bought all the stock and implements and B was to pay for half of them at the end of a year but is to have the use of them during the meantime. Now A will not let B use the horses to go anywhere or do anything only when he pleases because B has not paid for them. B was to pay for his half in March, 1917, but A holds no note or written contract to this effect. Can he collect the money from B for his half?

R. A. M.

A parole contract of sale can be enforced and collected upon provided its terms can be proved. The difficulty that I can see looming up in this case is that of proving what the terms of this parole or oral agreement were. A probably would insist that the agreement was different from B's understanding of it and unless there were other witnesses present when the contract was made it would be the word of one partner against the other. If A made an agreement or oral contract with B to sell him a half interest in the stock and implements to be paid for at the end of a year and that contract was made without reservations as to the use of the stock and implements during the year, then B has the same right to the use of the property as his partner. It is pretty evident, however, that in case of a lawsuit A would claim that when he sold a half interest to B he retained the right to control the use of the property until B paid for same. In cases of this kind it is always very much better to have a plainly worded written contract. Human recollection, especially when that recollection is influenced by self interest, is not very dependable.

A leases his farm to B from March 1, 1916, to March 1, 1917, with the understanding that B is not to occupy the house until September 1. B occupies a house across the road but keeps his horses, implements, hogs, and the like on the place he leased. No mention is made in the lease as to A's occupancy of the house. Can A be forced to vacate the house if he refuses to do so?

Yes.

A made a stock sale. B, cashier of the bank, was clerk of the sale. C purchased more than \$50 worth of stock. Two months after the sale B bought the notes at a discount. A of course placed his name on the back of the notes. Soon after A died leaving his widow as administratrix of the estate. Later C died leaving a widow with an estate. Now who should pay the note and whose place is it to make claim against C's estate to pay the note?

R. E.

B should file his claim with the administrator of C's estate. A was merely an endorser and could be held liable only in case the note cannot be collected from C's estate.

Please explain what is meant by "Dog days" and how long do they last?

Strong City, Kan.

V. D. R.

"Dog days" or "Canicular" days are the 40 days between July 3 and August 11. Canicular is derived from the Latin term "Canicula" the name of the star Sirius which rose about July 1. The ancients ascribed the great heat of the summer to the influence of this star, which theory a little thought will show to be absurd as the star rises the same during cool summers as during hot summers. This star probably has about as

much effect on the climate of the world as a cup full of hot water poured into Lake Superior would have on the temperature of the water in Lake Michigan.

1. What is the population of Mexico at present and what method of taxation is in practice there?

2. The International Dry Farming Congress is to be held at El Paso this fall. There will be state delegates appointed by the governor to attend this meeting. Who pays their expenses, the state or the delegates themselves?

J. R. WEST.

1. The population of Mexico at the beginning of the war which overthrew Diaz, was estimated at 15 millions. It is utterly impossible even to estimate approximately the population at present.

2. The delegates to the Dry Farming Congress have to pay their own expenses.

Irrigation Men to Larned

The Fifth annual meeting of the Kansas Irrigation congress will be held September 26 and 27 at Larned.

The entertainment afforded the delegates this year will be better than ever and this is promising something unusually good when one recalls the splendid meetings at Garden City, Goodland and Scott City. The Larned people have wished to entertain the congress for several years and now with an opportunity to show the hospitality of Pawnee county they are joining the officers of the congress in an effort to make the Fifth annual meeting the banner gathering both in attendance and educational value.

The purpose of the Irrigation congress is to promote the interests of irrigation in Kansas. The congress is a western institution, composed principally of western people who believe that irrigation is an important factor in the state's development.

The programs are of particular interest to the irrigation farmer, to the man who wishes to irrigate, and to the man who is interested in irrigation. Practical irrigation farmers and experts will discuss such problems as well construction, plant operation, modern irrigation pumps, irrigation machinery, use of irrigation water, irrigation and livestock farming.

Orators are never in evidence at these irrigation meetings, but those who attend will hear good, honest, and practical irrigation talks expressed in a simple and convincing manner. As usual the delegates will have an opportunity to see actual irrigation work. Pawnee county has some of the best irrigation plants in the state. Inspection trips by automobile will be made to a number of typical plants where the visitors will get practical ideas in plant construction, use of water, and the growing of irrigation crops.

In addition to the regular congress entertainment the city of Larned promises some special entertainment to the delegates. Just what this will be has not yet been announced, but Larned people have a way of entertaining which makes their visitors want to come again. I am convinced of an unusually good meeting this year.

H. B. Walker.

Secretary Kansas Irrigation Congress.

Efficiency is Rewarded

We failed to print Arthur Capper's announcement as a candidate for Governor on the Republican ticket. Of course, it was a foregone conclusion and Mr. Capper was compelled to formally announce himself. The people of Kansas had beat him to it, however, and had him in the running and re-elected before he got his formal announcement out. Arthur Capper has been one of the best governors this great state has had and there is no such thing as the voters of the state refusing or neglecting to endorse him for a second term. We would like to be as sure of a million dollars as Capper is of re-election.—Oakley Graphic.

Engine "WHY?" Book.

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

THE GOOD JUDGE FINDS MOST MEN KNOW WHY THEY USE W-B CUT TOBACCO.

I SEE YOU GENTLEMEN
USE W-B CUT TOBACCO.
MAY I ASK WHY?

IT'S QUALITY
TOBACCO—CUT FINE
AND SEASONED WITH
SALT, SO A LITTLE
CHEW SATISFIES.

YES, AND A MAN
DOESN'T HAVE TO
GRIND AND SPIT LIKE
THOSE WHO USE
ORDINARY TOBACCO.



YOU can't hide the truth—that's why men who use W-B CUT Chewing know what quality tobacco is. A small chew of the real tobacco tucked away in the cheek gives men the tobacco satisfaction they want.

A gentleman's chew—it cuts down grinding and spitting and there's no unwieldy wad to roll around in your mouth or to plug out the cheek. Give W-B CUT Chewing the quality test and learn what tobacco satisfaction is.

Made by WEYMAN-BRUTON COMPANY, 50 Union Square, New York City

If your subscription is soon to run out, enclose \$1.00 to the Farmers Mail and Breeze, Topeka, Kan., today, and we will include a year's subscription to Capper's Weekly.

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 and Capper's Weekly for one year, in accordance with your special short time offer.

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

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THIS COUPON MUST BE RETURNED WITHIN 20 DAYS!

Put a Crimp in the Bacteria

You Can Make this Sterilizer for a Moderate Cost, and Steam the Dairy Utensils

A SIMPLE and efficient homemade steam sterilizer which can be built for \$5 to \$10 is described by the United States Department of Agriculture. The ordinary washing of dairy utensils is not sufficient to insure freedom from bacteria. The only safe method of destroying the germs which affect the hygienic and keeping qualities of milk and cream is by sterilization.

Even when dairy utensils appear clean, if they have not been properly sterilized they may harbor great numbers of bacteria which contaminate milk or cream that comes into contact with them. Live steam at a temperature of at least 205 degrees is a thoroughly effective agent and one that this homemade apparatus makes readily available on the average farm.

When placed on a stove or oil heater the apparatus develops steam in a shallow pan and introduces the live steam thru a pipe into milk cans and buckets. In sterilizing separator parts, small articles and strainer cloths, a galvanized-iron box is placed over the steam outlet and used as a sterilizing chamber.

The sterilizer for cans and milk pails consists of a roasting pan, a specially prepared, insulated cover for it, and a steam outlet pipe that runs thru the cover. An ordinary roasting pan, about 20 inches long, 14 inches wide, and 3 inches deep, will be satisfactory.

The insulated cover for the pan is in three layers, the lowest of which is a sheet of galvanized iron covering the roasting pan and lapping a little over the edges. On the bottom of the cover solder flanges to meet and fit the inside edges of the pan and make a tight cover.

For the Steam Pipe.

For the steam pipe, cut a hole 1½ inches in diameter and around it solder securely a steam outlet pipe 4½ inches high and 1½ inches in diameter.

To make the second layer of the cover, use a piece of asbestos board 5-16 of an inch thick and slightly smaller than the metal sheet. In the center cut a hole which will fit tightly around the steam outlet pipe.

For the top layer of the cover make a shallow pan of galvanized iron 14 inches

square with sides 5-8 of an inch high, and cut a hole for the steam pipe. When the pan is pressed down tight on the asbestos, solder it firmly to the steam outlet pipe.

On the pan solder four strips of stiff, galvanized iron ¾ of an inch wide. They should start 1 inch from each corner and should run to within 1 inch of the outlet pipe. These strips provide ridges which raise the milk can from the pan and permit free circulation of steam.

Place the outfit, with 1 inch of water in the pan, on the stove, and see that the cover fits tightly. The first steam that comes from the apparatus will have a temperature of about 140 degrees Fahrenheit. Wait until a thermometer placed in the outlet pipe shows at least 205 degrees. Then invert the milk can over the steam outlet. Sterilize for 5 minutes, remove, shake out any water, and place the can upright on the floor.

A Dry Can.

The can should be absolutely dry in 1 or 2 minutes. If not, it is an indication that the steam was not hot enough or that the can was not washed clean. Remember that the steaming does not remove dirt, so that previous washing is essential.

In winter or in cold rooms an insulating cover for the milk can is desirable, since otherwise the can may be cooled so quickly that it will not dry thoroly. A cover that will serve this purpose can be made from a blanket.

Before strainer cloths, separator parts, can covers, and small utensils can be sterilized, it is necessary to provide a bottomless, galvanized-iron box 15 by 15 by 11 inches high, to be used as a sterilizing chamber. The four sides of the box should fit tightly into the shallow pan and the box itself should be provided with a tightly fitting metal cover equipped with a handle.

After steaming, place covers on cans as soon as both are dry and do not remove until the cans are to be filled with milk. The pails, as well as the tank and separator parts, should be kept always in a clean place, out of reach of dust.

Bacteria Grow in Warm Milk

In warm weather the care of milk in the home becomes more complex than during the late autumn and winter. Heat to the extent accumulated by allowing milk to stand on a warm porch or in the sun is enough to start the bacteria in milk to multiplying at a rapid rate and thus make it unfit for use as sweet milk, according to the dairy specialists of the United States Department of Agriculture. The hot days also bring the flies, the great germ carriers, and the clouds of dust laden with bacteria, which, when coming to rest on milk receptacles, may contaminate the milk.

Milk is regarded as a natural culture medium for bacteria, and the rapidity with which the various forms will multiply, under the proper temperatures, is astonishing. It has been shown that if a cubic centimeter—about ½ teaspoonful—of milk containing 10 bacteria is kept at 68 degrees for 24 hours, the bacteria will have multiplied into about 61,000. In the same milk, if held at 50 degrees, the growth of bacteria would be very small, possibly as low as 40 in 24 hours. Milk which contains a large number of bacteria is not fresh, has come from a diseased cow or otherwise has been contaminated.

Flies are the most dangerous bacteria carriers which are likely to come in contact with milk. These scavengers may convey the germs of typhoid fever or other contagious diseases from the sick room or excreta to the milk. Typhoid epidemics have been caused by flies spreading the germs. Milk should be guarded from flies as rigorously as you would avoid exposure to disease.

Cows are now out on pasture, and milk is more easily produced under sanitary conditions than in the winter months when the cows are stabled continuously. Milk may be handled by the farmer in the most correct and sanitary method known, and yet if it is not

cooled immediately after milking and kept cool until consumed, it soon begins to sour. In fact, the bacterial content increases rapidly as long as the milk remains above 50 degrees Fahrenheit. The bacteria are dormant or increased slowly at a lower temperature. For this reason, every precaution for keeping milk cold from the time it is produced

Pampering childhood and youth, catering to its whims, indulgence instead of discipline—this is the way boys and girls are spoiled today. Discipline requiring a certain responsibility, the doing of home tasks, habits of thrift—these are the habits and the fundamentals of home training which bless parents and children alike and fortify our boys and girls against the manifold perils of the most complex civilization the world has ever known. If your children are to learn these great lessons of life, if they are to acquire character, dependability of purpose and stability of action, they must acquire them at home.

until it reaches the consumer is essential, and especially so in the warm weather.

Milk may absorb impurities whenever it is exposed to the air, or placed in unclean vessels. The amount or degree of contamination depends on the cleanliness of the air and of the utensil. Even the air of a so-called clean room contains some impurities.

RAISE CALVES AT HALF COST!

—By using "Brooks Best" Calf Meal. 100 lbs. \$3.25 500 lbs. \$15.00. Free directions. Brooks Wholesale Co., Ft. Scott, Kans.—Advertisement.

Pigs in clover is an ideal condition. Alfalfa pasture meets the same end.



Don't Delay buying a
DE LAVAL
SEPARATOR
a single day longer

IF YOU ARE SELLING CREAM or making butter and have no separator or are using an inferior machine, you are wasting cream every day you delay the purchase of a De Laval.

THERE CAN BE ONLY TWO real reasons for putting off buying a De Laval; either you do not really appreciate how great your loss in dollars and cents actually is or else you do not believe the De Laval Cream Separator will make the savings claimed for it.

IN EITHER CASE THERE IS one conclusive answer: "Let the local De Laval agent set up a machine for you on your own

place and SEE FOR YOURSELF what the De Laval will do."

YOU HAVE NOTHING TO RISK and more than a million other cow owners who have made this test have found they had much to gain.

YOU CAN'T AFFORD TO WAIT till next spring or even for another month. Let the De Laval start saving cream for you RIGHT NOW and it will earn its cost by spring.

SEE THE NEAREST DE LAVAL agent at ONCE or if you do not know him write us direct for any desired information.

THE DE LAVAL SEPARATOR CO.

165 Broadway, New York

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50,000 BRANCHES AND LOCAL AGENCIES THE WORLD OVER



SHARPLES SUCTION-FEED CREAM SEPARATOR

"Sometimes nearly one-half of the fat may be found in the skim milk when the separator has been run too slow."—Prof. Larsen, S. Dakota College. The Sharples Suction-Feed is the only Separator that will skim clean at widely varying speeds. Even cream at all speeds. Low supply tank. No discs. Ask for Catalog.

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Any time is the right time for a glass of

Coca-Cola

Morning, noon, or night—for a thirst-quencher, or just for a delicious healthful beverage—you will find a new pleasure in every refreshing glass.

THE COCA-COLA CO.
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Demand the genuine by full name—nicknames encourage substitution.

Studebaker

HAS BEEN CONTINUOUSLY MAKING
WAGONS—BUGGIES—HARNESS
FOR EVERY FARM USE SINCE 1852

SEE THE STUDEBAKER DEALER

My Wonderful Motor Mill Now Ready!! It Runs Itself—

Manson Campbell
says:

"If you want
to clean-up
money,
clean up
your
grain!"

Greatest Grain Cleaning Device Ever Invented

No matter how many bushels of grain you have, you can now clean and grade it all in no time—no work—no bother—just pour in your grain! Clean all your wheat and other small grains (for seed and for market); clean all your grass seed; grade your seed corn next season—and pocket just about double the usual profit!

Runs Itself—no turning, no work—no expense. The machine runs itself—has complete general purpose one and a half horse power gas engine and power equipment. Cleans, grades and separates, all at one operation, any grain or grass seed on your farm.

A Sure Money Maker—Now you can grade and seed—means bigger crops and better quality. You can clean your market grain—top price in the region—and all screenings saved—no getting docked.

Free Trial—I am willing to ship my Chatham Motor Mill on a wide-open 30 days' trial—no money down.

Liberal Credit—Low Price—You buy as follows: first, the complete motor mill, engine, power attachments, etc.; second, the mill and power attachments only where you own an engine; third, the regular hand-power Chatham Mill which runs as smooth and easy as a bicycle. My terms are cash or credit. My prices are away down.

Write Postal for my grand free Book on How to Clean and Grade Grain—and all about my line of Motor Mills, Hand-Power Mills, etc.

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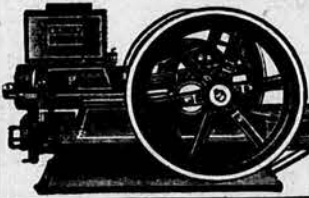


For Silo Filling

Complete Outfit of 7 H-P BAUER Kerosene Engine \$219.00
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The BAUER Kerosene Engine can't be beat for steady, reliable power, using ordinary kerosene or coal oil for fuel. No need to use high priced gasoline when cheap kerosene will go farther. Gallon for gallon, and is just as easy to use. Every engine guaranteed efficient, durable and easy to operate. Engines furnished mounted if desired, at small cost for steel trucks. Seven gallons of kerosene guaranteed to give 7 full horsepower for full ten hours' run.

THE CLIMAX CUTTER, Type F has capacity of 6 tons per hour, equipped to fill 36-foot silo, including an extra spare plate, with 50 ft. of 5-in. heavy belt. Entire outfit engine and cutter, ready to set up and run, needing only water, fuel and oil. The CLIMAX is the only cutter giving entire satisfaction in the Southwest where climatic conditions make fodder hardest to cut. Thousands in use—all saving owners 30 to 50 per cent in cost of operation over all other cutters. Quick shipment from Kansas City. Cutter or engine sold separately if desired. Other sizes of engines, up to 18-horsepower, and cutters up to 25 tons capacity per hour, if desired. Write for catalog giving full information and price of complete line.



A. F. BAUER ENGINE MFG. CO.
101 Bauer Block
KANSAS CITY MISSOURI

A 60-TON SILO No Scaffolding \$75
Thousands in use Erected One Day
Fully Guaranteed. Round Wood Stave
BONITA FARM, RAYMORE, MO.

THE GALVANIZED HOLLOW WALL SILO WOOD LINED

BUILT to withstand weather extremes, practically non-freezing. Airspace acts as vacuum. **FOUR WALLS**—Steel, Two Tarred Felt and Cypress-Hinged Doors. Sections can be added after building if desired. Our **FREE SILO BOOK** describes all kinds of silos; construction, advantages, faults. It is a text book on silos. **YOU** need it. It's **FREE**. Send TODAY. **KRECHMER MFG. COMPANY** Council Bluffs, Ia. 215 11th Ave.



Boys—A Genuine Pump Action Rifle

FREE! This Daisy Repeater is a Real Gun a boy's gun, and should not be confused with the ordinary cheap air rifle that you see advertised. It is a real gun. Best of all you can receive one of these dandy rifles free of cost to you. The Pump-Action Daisy, Take-Down Model, operates by pulling the slide toward the stock. Fires rapidly from the shoulder, the magazine having a forced feed. A strong and accurate shooter for men and boys. Metal parts in non-rusting gun blue; stock, genuine black walnut, hand polished; adjustable sights; length 38 inches, weight 3 1/2 lbs.

Boys Have One For small target practice this air rifle is unexcelled. We have 5,000 of these new model repeater rifles to give. We pay all express charges so it don't cost you a penny. Write us at once for our special free offer. Do it NOW.

HOUSEHOLD, Rifle Dept. M.B., Topeka, Kan.

When answering ads mention this paper

Fills 61 Silos Without a Repair

W. G. Lindamood of Rempel, O. writes: "I filled 61 silos with the Papec Cutter I bought in 1912, and have yet to spend a nickel for repairs—in fact, I'm sure it will throw ensilage 100 feet in the air; in other words, does just as good work as the day it started." The

PAPEC Ensilage Cutter

is built to last—simple and strong. It runs at low speed and on light power. A 4 horse power engine, or even less, will run our smallest size successfully. "I filled my 60 ton silo in less than 14 days with a 4 horse power gasoline engine," writes Mr. T. F. Garner of Kingwood, W. Va.

Own your own Papec. It pays. Send postal for our 1916 Catalog. **Papec Machine Company** Box 24, Shortsville, N. Y.

THE PAPEC
KEEPS MEN & TEAMS BUSY

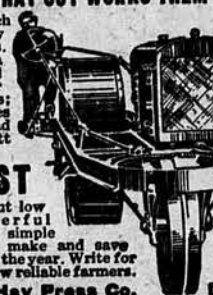
K. C. PRAIRIE DOG THE TRACTOR THAT OUT WORKS THEM ALL

Will pull three 14 inch bottoms under any ordinary conditions. 25 H-P. Waukesha Motor—can be used for operating other machinery; 2 speeds; plows at 2 1/2 miles per hour—on road work 5 miles. Hyatt Roller Bearings.

LOW COST

High in quality but low in price. A powerful, sturdy, enduring, simple Tractor that will make and save money every day in the year. Write for special offer to a few reliable farmers.

Kansas City Hay Press Co.
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Be Careful Whom You Pay

Subscribers and city marshals will please note the following district managers, and rest assured that no one is authorized to take subscriptions for the Daily Capital and the Farmers Mail and Breeze except the district men whose names are shown. We are not sending any special representatives out from this office; no doubt the solicitor will say that he is direct from the office. City marshals have been notified by letter, of the proper receipt number for each district man, and unless they have receipt numbers as advised, city marshals will please prevent them from taking any subscriptions for these publications.

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S. 1/2 Lyon, Fred Hagan

bichloride of mercury, and when this is mixed with nitric acid, nitrate of mercury will be formed, which in this case at least would have no medicinal value. In other words, a pharmacist would inform Mr. Eddington that his formula constitutes a chemical incompatibility. If the nitric acid were used alone, even when mixed with the other ingredients except the corrosive sublimate, it might possess some value because it causes sloughing of tissue and if introduced deep enough into the wound it might cause the diseased tissue of the fistulous withers to be eaten out, but the trouble is that it would not stop with the diseased tissues but would attack the healthy tissues as well. There is no guarantee that it would remove all of the diseased tissues. In other words, its action is uncertain and dangerous. The foregoing remarks also apply to corrosive sublimate, which acts in this respect somewhat the same as nitric acid. It always has been my opinion that these corroding and tissue destroying drugs are used only by laymen having no knowledge of their action or by practitioners of veterinary medicine who are afraid to resort to surgical methods. By means of the knife we usually are able to remove all the diseased tissue, while the healthy tissue can be left alone.

The fact that Mr. Eddington's horse was cured following the use of this formula is absolutely no proof that the cure followed as a result of using the medicine, because it is an undeniable fact that many animals affected with fistulous withers for a long time finally will become cured without any treatment whatever. It might be said that the disease runs its course and dies a natural death. From a scientific standpoint, statements regarding the value of a remedy based upon a single apparent cure are valueless. I have gone into this subject somewhat at length, because fistulous withers is one of the most common, and at the present time most serious diseases from a surgical standpoint that the veterinarian must contend with, and animals are so many times tortured by the use of various remedies the use of which I believe should be discouraged.

Dr. R. R. Dykstra.
Kansas State Agricultural College.

Maybe It is a Diseased Tooth

What is wrong with my mare that has a lump on the left side of her lower jaw? If it is a sore tooth, what is the right course to take for its removal? The mare is only 8 years old. C. A.

I cannot tell you positively what produces the enlargement in your mare's jaw, as there are many different conditions that may produce this. The chances are that it is due to a diseased tooth and the only satisfactory line of treatment is to have this removed. You should consult a competent graduate veterinarian about this work, as it requires a certain amount of technical skill and various veterinary surgical instruments to perform the operation.

Dr. R. R. Dykstra.
Kansas State Agricultural College.

Here's Someone to Help You

I am a woman with a family of 5 children. The oldest boy, not yet 18, is working in Western Kansas to help support the family. What I wish most of all is to give my children an education. If I could get work for myself and the boys in Kansas, milking, the boys could go to school. I have another boy 13 years old who could milk. I choose this sort of work because I have been used to the dairy business all my life.

I should expect a house, and a place for a garden and chickens. Surely there is some such place, if only I can get in touch with those who need help.

Mrs. Alice Kenney.
Butterfield, Ark.

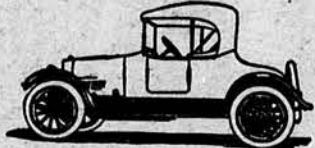
SPECIAL CAMPAIGN OFFER.

Readers of the Farmers Mail and Breeze can receive a big Western Weekly during the Campaign of 1916 for only 10 cents. Capper's Weekly is the biggest and best general home and news weekly published in the West. Contains all the latest political news of the State and Nation. Review of the week's current events by Tom McNeal. Interesting and instructive departments for young and old. This is a special campaign offer—twenty-six big issues—10 cents. Address Capper's Weekly, Dept. M. B., Topeka, Kan.

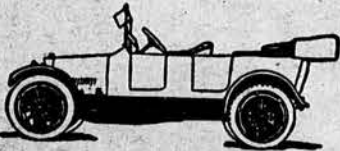


Announcing The Reo Models and Prices

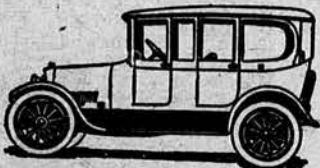
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Two Interesting New Models



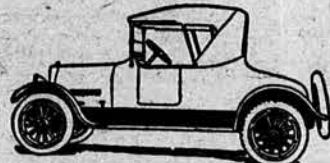
The New Four-Cylinder, 3-passenger Reo Roadster, \$875



The New Reo the Fifth, "The Incomparable Four," \$875



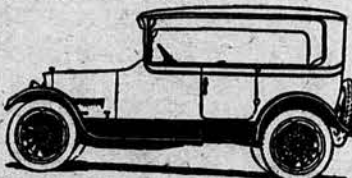
The New Four-Cylinder Reo Enclosed Car, \$1025



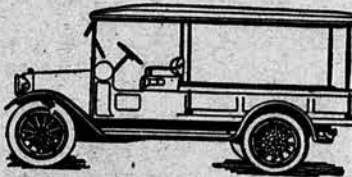
The New 4-passenger Reo Six Roadster, \$1150



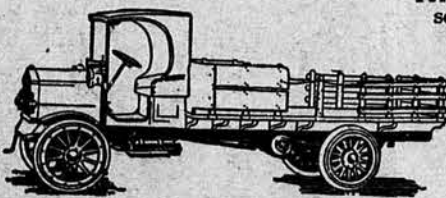
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2-ton Reo Truck (Chassis only with Driver's Seat and Cab), \$1650

(All Prices are f. o. b. Lansing, Michigan)

YOU WANT TO KNOW—everybody always wants to know—what models Reo will make the coming year, and the price of each.

OF COURSE THERE ARE NO NEW MODELS—new chassis models we mean. You do not look for, do not expect, do not want new chassis models from Reo.

THAT ISN'T THE REO WAY. Refinements—of course. Detail improvements—wherever and whenever we can find a place or a way to make them.

NOTHING RADICALLY NEW is ever offered to Reo buyers. For it isn't new when it gets to you—it has been thoroughly tried and conclusively proven before we let it get into a Reo car.

NEW BODY TYPES—YES—and some that put Reo in the highest class of cars in looks as well as in performance and longevity. We'll treat of each in turn.

REO THE FIFTH COMES FIRST, of course. First not only among Reos, but among motor cars.

FOR THIS IS THE GREATEST automobile ever built, we verily believe.

THIS IS THE SEVENTH SEASON that Reo the Fifth has been standard in practically its present form.

NO: THE PRICE WILL NOT BE CHANGED this season. We will not increase—we cannot lower it.

ACTUAL COST OF MAKING is now more (\$50 more) than when the present price, \$875, was set a year ago. And we had made this model so long; had so refined and perfected manufacturing processes; had reached such a high state of efficiency in production; and cut dealers' discounts so low that we had, then, reached rock bottom.

IT WAS AN ACHIEVEMENT of the first magnitude to produce such a car and sell it at such a price—\$875.

TODAY YOU SEE OTHERS increasing prices all along the line. They must do so. They have no choice.

ORDINARY BUSINESS RULES dictate that we also "tilt" the price of Reo the Fifth \$50 at least.

BUT REO PRIDE PROMPTS that we absorb the extra cost, as we have for months past, and keep the price where it is until conditions will, happily, return to normal.

THE FOUR-CYLINDER ROADSTER—same wonderful chassis, same price, is the smartest thing on wheels—the most popular car in the world among physicians, and all professional and business men. Also \$875.

TO SUPPLY A GROWING DEMAND for an enclosed body on Reo the Fifth chassis, we have planned to build a limited number. The quality will be Reo—which is to say, excellent. The top is rigidly supported at front and rear. Removable glass panels convert it into a veritable limousine for winter, and these discarded and with jiffy curtains (which are also furnished) it is an ideal summer touring car. The price is \$1025.

THE NEW REO SIX will continue in its present popular forms—the 7-passenger touring car and the classy 4-passenger roadster; and we will make a limited number with Sedan bodies to supply an insistent demand for this type of body on this splendid chassis.

THE PRICE IS REDUCED \$100 on the 7-passenger and roadster models. Now \$1150.

NOW YOU WONDER, and naturally, how we can reduce the price of the Reo Six models and not the Four—especially after what we have just told you about the increased cost of production.

SEEMS ILLOGICAL at first blush—doesn't it? But it isn't. For the truth is never illogical. And the truth is that despite the present higher prices of materials and labor still it costs us less to make this six-cylinder model than it did a year ago.

THIS POPULAR REO SIX is now in its third season. It has passed the same stages through which its great four-cylinder namesake went—initial costs have been absorbed, charged off. And in accordance with that unswerving Reo policy we give the buyer the benefit and set the price at \$1150 f. o. b. Lansing.

WE WILL MAKE A LOT MORE of those 4-passenger Six Roadsters the coming season. We underestimated the appeal and the demand for this model. It proved one of the most popular Reos ever built.

THE SIX SEDAN speaks for itself, though, truth to tell, an illustration does it scant justice.

YOU MUST SEE IT where you can study its artistic lines and faultless finish to fully appreciate this latest Reo which we price at \$1750.

NOW A WORD ABOUT THE TRUCKS since 90 per cent of all Reo automobile distributors also handle Reo motor trucks.

PRICE OF THE 1500-POUND REO "Speed Wagon" has been reduced to \$1000.

SAME REASON—SAME POLICY—reduced cost of manufacture despite higher present cost of materials—as enunciated in speaking of the Reo Six.

AND THAT TWO-TON REO. What shall we say? What need we say? We submit, it is the greatest 2-Ton motor truck in existence. Has been standard for longer. Has given greater proof of its sturdiness and efficiency and low cost of upkeep.

IF WE ARE TO JUDGE by that over-demand, we may well assume that we could sell all that we could make were the price \$2500, instead of \$1650.

AND FINALLY A WORD about the big general plan—a brief reiteration of the Reo policy.

WE STILL ADHERE to our determination never to make more Reo cars or trucks than we can make and make every one good.

TEMPTATION IS GREAT of course. Dealers protesting, buyers begging for more Reos. But we know—we know—on what solid foundation this Reo success was built; and we'll jealously guard that policy to the last.

RIGHT NOW—AUGUST—there are more orders on hand at the factories than at any previous time in Reo history. Orders hopelessly in excess of factory output—and that also is greater than ever before.

AND RIGHT NOW Reo stands higher in the esteem of buyers and of the trade than ever before.

\$30,000,000 PER ANNUM is not small by any means. Reo is in fact one of the largest in point of production. We have no ambition, however, to be the largest. Don't want to make all the automobiles—only the best.

RATHER THAN INCREASE the quantity we shall strive always to improve the quality so that, as the art advances and cars generally improve, still Reo will continue to be known as—"The Gold Standard of Values."

REO MOTOR CAR COMPANY
REO MOTOR TRUCK COMPANY
Factories: Lansing, Mich.





Replace your stoves with a Mueller Pipeless Furnace

Cheaper, Healthier, Better Heat, Greater Comfort, Less Work

THE MUELLER Pipeless Furnace was designed to improve the heating facilities in houses already built and to reduce the cost. This furnace can be installed without expensive alterations. No pipes or flues. Can be placed in any cellar, no matter how small, or used in houses without cellars, by digging a pit. A Mueller Pipeless in your home means more uniform heat than stoves, purer air, better health, less dirt and less work. An all-round better heating system than stoves at lower cost.

Mueller Pipeless Furnace

The Mueller Pipeless is a new idea in furnace building. Heats whole house from one register, keeps warm air in constant circulation and all the rooms in your home warm and cozy in the coldest weather. Keeps house ventilated as well as heated. Burns coal, wood or coke. Nearly 60 years of furnace building experience is back of the Mueller Pipeless Furnace. It is scientifically and substantially built of solid cast iron and will last a lifetime. Why you should consider the Mueller Pipeless Furnace above all others is fully explained in our free book on heating.

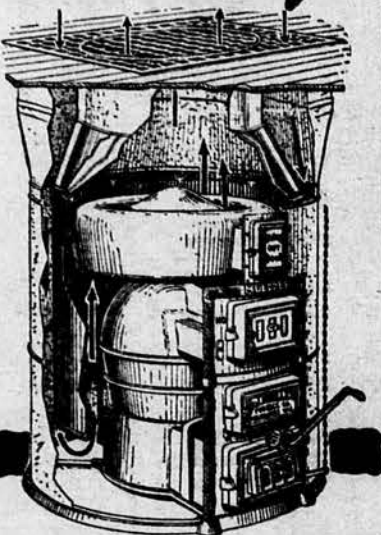
Write for Free Book on Heating

Gives you all the facts about the Pipeless System of heating and the Mueller Pipeless Furnace. Gives full details of construction and shows pictures of installation. Tells how to apply it to your own home, old or new; how to tell the difference between good and poor furnaces—the things to look out for and the things to avoid. Booklet sent free on request.

L. J. MUELLER FURNACE CO.,
207 REED STREET MILWAUKEE, WIS.

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

TO THIS



Sunday School Lesson Helps

BY SIDNEY W. HOLT.

Lesson for August 27; Journeying Toward Jerusalem. Acts. 20:16-38.

Golden Text: I commend you to God, and to the word of his grace. Acts 20:32.

With the completion of the work at Ephesus, Paul planned to close his work among the Greek speaking countries, where he had spent so much time and labor in his three great missionary journeys, and to go to Rome and Spain as the regions for his future evangelistic work. However, before going to the West, his work among the Hellenic countries must be reviewed. All evils that had arisen must be corrected and the churches of Galatia, Asia, Macedonia and Achaia needed guidance and inspiration and to be brought into closer relations with the original church at Jerusalem. This feeling of unity was to be brought about thru the influence of charity, and the Gentile churches had been gathering funds for Paul's delegation to carry to the poor in Jerusalem.

Paul left Ephesus late in A. D. 56, and doubtless took a trading vessel along the eastern shores of the Aegean Sea. He visited Troas, a city of Mysia on the northeast coast of Asia Minor and the regular port of call on coasting voyages between Macedonia and Asia. Here he expected to remain long enough to establish a church, but the non-arrival of Titus, whom he had sent to Corinth from Ephesus, either with or soon after the First Epistle to the Corinthians, on the mission of the great collection for the Hebrew Christians at Jerusalem, caused him to push on to meet Titus. He therefore sailed from

The man who works 8, 9, 10 hours a day and the man on the land, make the world go round. They are the direct source of its prosperity and plenty. The more difficult and meager we make life for them—the less we make their reward—the harder we make existence for everybody else. They are the taxpayers of the nation because there are so many of them and because they are its greatest consumers. Their incomes are not large. It is inevitable that the burden of maintaining township, city, state and nation falls more heavily upon them than upon all others. To put upon the backs of these men an added weight of 1,200 million dollars, is a more serious business than chasing hypothetical war scares.

Troas and entered Neapolis, the port of Philippi, where later Titus joined him, with much better tidings than Paul had hoped to hear from the Corinthians.

Seven years before Paul had promised to gather funds for the poor in Jerusalem and during all this time the various churches on his tours were saving for this event. For the purpose of carrying these gifts of the Gentile churches and as expressions of their good will, seven delegates were chosen to go with Paul. Achaia alone sent no delegate but it is thought possible that Paul acted as their representative, as their contribution in money was very liberal.

The party all met in Troas and remained there a full week having some special service and a celebration of the Lord's Supper before they continued their journey to Jerusalem.

There are doubtless other reasons for so many delegates to make the journey, other than Paul's wish to avoid suspicion in money matters and the good will of the different churches. Parts of the journey were very dangerous, and the money distributed among so many people would be safer and they would act as a bodyguard for each other, while being auditors for Paul's accounts.

When the delegates left Troas by the sea route, Paul went by land 20 miles to the port of Assos, where he met them. This port was a town 1/2 mile from the Gulf of Adramyttium (in Mysia, province of Asia). Its position on a hill about 770 feet high gave it a grand and sumptuous appearance from the sea. A terrace was raised by a wall of rock above the water line and

above this a magnificent gate was approached by a flight of steps. Higher still was the theater which commanded a glorious view of the sea and those various buildings which are now a wilderness of ruins and broken columns. No other city exists which gives such a perfect Grecian idea, and as the view gradually fades into indistinctness as one sails from its shore the summits of Mount Ida rise to greet one's sight.

Paul's party sailed from Assos to the southward, past Ephesus, and cast anchor at Miletus. The ship was to remain here for several days on business. Naturally Paul wished the stop had been at Ephesus, but as it was something over which he had no control the only thing possible was to send a swift messenger to his friends there, to come and meet him at Miletus.

Miletus, a city more ancient than Ephesus, was its inferior in political and commercial importance. It was the south one of the 12 colonies forming the Ionian confederacy of Asia Minor and lay on the south coast of the Latonian Gulf and received the waters of the Maeander River. The silt from this river filled up the gulf and the town is now 5 miles from the sea, and the former island of Lade, which helped to make its harbor, is now a hill rising in the alluvial plain. The present condition of the city is ruin and decay.

The excitement and joy must have been great among the Christians who hastened out the southern gate of Ephesus on the journey to Miletus. An errand of this sort would not be tedious and the distance of about 25 miles would be shortened by their eagerness to see their honored friend and teacher.

The address of Paul is divided into four sections. "A Retrospect of his labors and aims. The Prospect of what lay before him. An Exhortation as to what they should do and be, and a Commendation of them to God's love and grace and care."

More Crops are Needed

(Continued from Page 9.)

the fallow is properly handled, the cost of producing a crop by summer fallowing will not greatly exceed the cost of producing a crop by the best method of continuous cropping, providing the interest on the investment is not considered.

From the results of these tests, it is doubtful if it would prove profitable to alternately crop and summer fallow land if it were possible to prepare the ground every season by either plowing or listing early in the summer. Where a large acreage of ground is to be prepared for wheat with limited equipment, it is impossible to prepare all the ground at an early date. Under such conditions, a system of summer fallowing that will distribute the work through the different seasons of the year and thus allow all work to be done more opportunely will undoubtedly prove profitable.

The most profitable way of using the summer fallow is in a rotation of crops. It is a demonstrated fact that the most successful farmers in central and western Kansas are those who are following a diversified system of farming and growing feed crops for stock together with wheat. The sweet sorghums, kafir, feterita, and milo are the most profitable feed crops. To produce the maximum yield of wheat and kafir and sorghum under such conditions, the crops must be grown in rotation and not grown on the same land continuously. Wheat will not, under normal conditions make a profitable crop when sown on sorghum or kafir stubble. Kafir or sorghum grow late in the fall and exhaust the soil so completely of moisture and available plant food that wheat sown upon such ground is usually a failure. Therefore, in planning a rotation of crops for such conditions, summer fallowing is indispensable.

Where wheat is the most important crop and where there is sufficient moisture to justify it, a four-year rotation of wheat, two years; sorghum or kafir, one year; and summer fallow, one year, can be followed. When kafir or sorghum is the most important crop, a four-year rotation of two years of kafir or sorghum, one year of summer fallow, and one year of wheat can be used. In either case, the ground is summer fallowed after kafir or sorghum, and in that way the soil is stored with moisture and available plant food and will produce the maximum wheat crop the following year.

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BEGIN this season to put in your grain with an Empire Jr., Hoosier, or Kentucky drill. It's the best and safest way to plant.

No matter whether the ground is hard or soft, gravel or clay, smooth or rough, level or hilly, there is an Empire Jr., Hoosier, or Kentucky drill that will plant your seed as it should be planted.

The value of drilling in the seed shows at market time. The grain grades higher and brings a better price. There is more of it, and that again gives you more money. An Empire Jr., Hoosier, or Kentucky drill has a remarkable effect on net profits. For any soil and for any seed, from alfalfa and grass seed up to the size of beans, sown with or without fertilizer, buy and use an Empire Jr., Hoosier, or Kentucky drill. Do that, and you can't go wrong.

Sold by IHC local dealers everywhere, who will give you any information you need to buy the best drill for your work, or, write us for catalogues.

International Harvester Company of America

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Champion Deering McCormick Milwaukee Osborne Plano

A Big Fair for Hutchinson

The Kansas State Fair to be held at Hutchinson, September 18 to 23, is conducted under the auspices of the state board of agriculture, together with the secretary of the state horticultural society. The prize catalog is being distributed and will be sent free to anyone. This catalog contains the rules governing the state fair and much information. If there are any special rules governing any department, they will be found under the department caption.

Competition is open to the world in all departments, except in the sheep department, where prizes are offered on Kansas bred or owned sheep only. This is for the purpose of encouraging the Kansas sheep industry and to encourage the Kansas breeders to show and popularize their flocks. Heretofore, most of the prize money has gone to outside professional sheep showmen and the Kansas breeder has been reticent about showing. The purebred livestock industry of Kansas needs the aid and opportunity afforded by the state fair generally, but the sheep industry needs it especially. The Kansas State Fair is attended by a greater percentage of farmers, in proportion to total attendance, than any other fair in this country. Its educational features have always been prominent and dominant.

The magnitude of this fair can be better understood when it is known that last year there were 1,436 exhibitors, and 7,080 exhibits. Probably no single individual is interested in every exhibit, but since the state fair touches the interests of all people, everybody is interested in something. The more one studies the fair as a whole, whether it is large or small, the more he is impressed with the fact that children and young people derive the greatest benefits. For this reason the management has raised the age limit for free admission to children from 6 to 10 years. So all children under 10 years may enter free. The state fair creates ideals. The people generally learn more by seeing than in any other way. Children are most impressionable and they get ideals in any department of the exposition which they retain and make use of naturally. All the children and young folks are wanted as visitors.

All exhibits are shipped to the state fair upon payment of the usual freight rate, and returned by the railroads free. This does not apply, however, to express.

The railroads place extra trains and special equipment in various lines for the people's use. Good roads and automobiles do the rest. All the visitors agree that the fair is educational, inspirational and recreational.

Real "Pep" is Needed

(Continued from Page 6.)

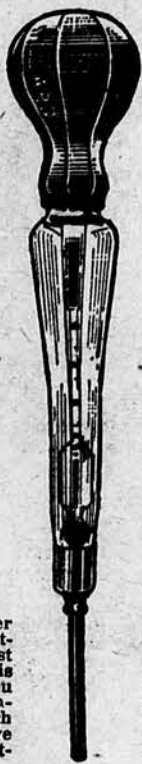
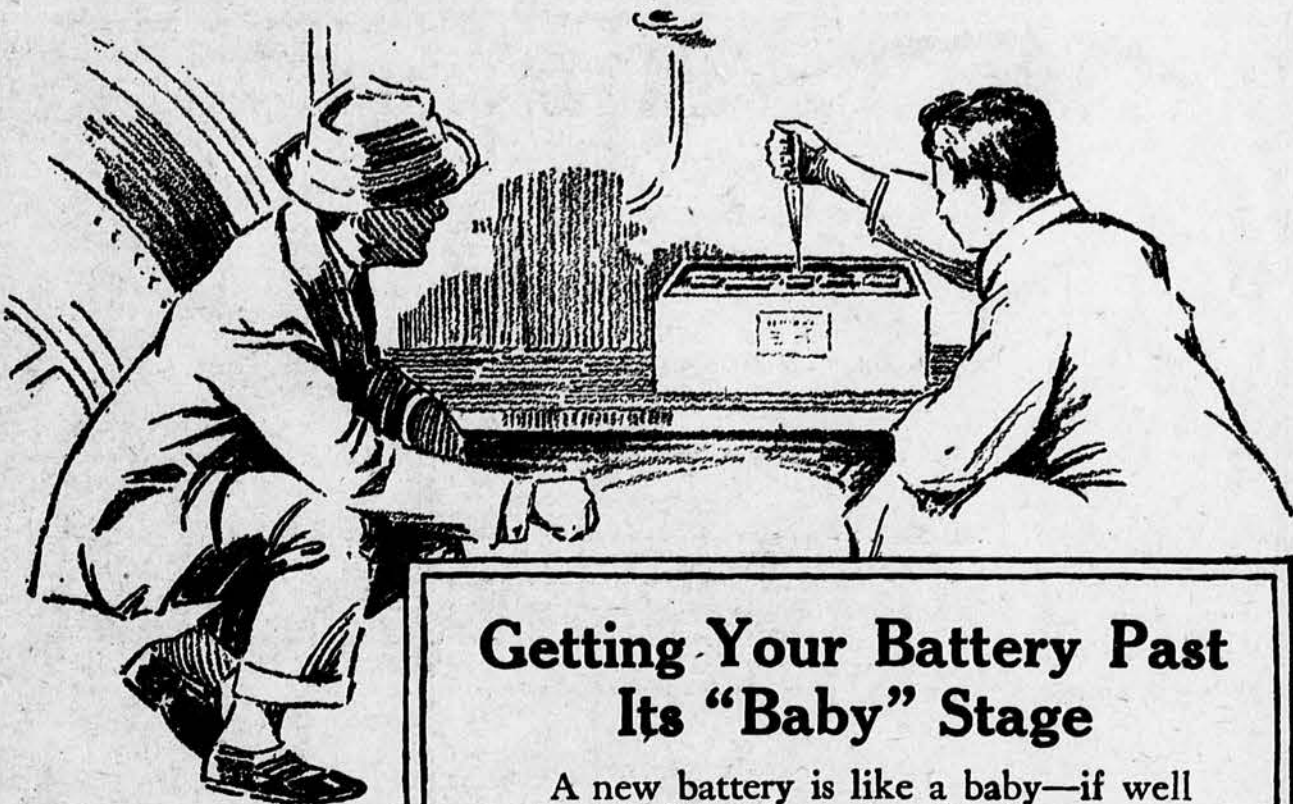
them. And this, by the way, is something that a great many men never learn.

Of course if a young man cannot attend the long course he should take the short course, but this should be done only when it is necessary. There are a great many young men who are attending the short course who should take the long course. It is not to be supposed that three or six months training will be in any case a good substitute for the long course which takes four years.

High school training should always be obtained if possible before one leaves home. It is much better to get this work when one can stay at home, if possible, if a young man has the nerve to travel the distance required to get it. Many boys travel as far as 6 or 8 miles to a high school every morning, and there are exceptional cases where they go farther. If one cannot get this training at home it will be necessary to get it elsewhere of course; the college has an excellent preparatory department.

The vital thing is for a young man to make up his mind that he wants to amount to something in this world, and then to do the things required for this. It has been well demonstrated that college training in farming will pay. Exceptional opportunities are offered for obtaining this at Manhattan. A young man who is determined to take advantage of this can get his degree, even if he must make all the money to pay his expenses.

Improvement comes, first by agitation, then by cogitation, and in the end by perspiration.



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Willard Storage Battery Co.,
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Please send me one hydrometer syringe, for which I enclose one dollar.

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Getting Your Battery Past Its "Baby" Stage

A new battery is like a baby—if well nourished it is bound to live longer.

That's why it pays to buy a Willard. Our new free service plan helps you take care of your battery while it is young. It teaches you what you should know about battery care. It offers valuable suggestions for prolonging battery life.

The purchaser of a Willard Battery is sure of a good start. With over 750 service stations at your disposal you may be sure of enough free, expert service to keep it in good condition during its "baby" period.

After that it is easy—you have learned how to take care of your own battery. Willard Service affords suggestions that prevent trouble. Ask about the new plan.

Willard Storage Battery Company
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NEW YORK: 228-230 W. 58th Street
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MINNEAPOLIS: 36-38-40 So. 10th St.

INDIANAPOLIS: 316-318 North Illinois St.
Direct Factory Representatives in Philadelphia, Boston, Dallas, Kansas City, Omaha, Seattle. Service Stations in All Principal Cities in the United States and Canada.

Willard Storage Batteries are for sale by car dealers, garages, and all Willard Service Stations and Factory Branches.

Willard STORAGE BATTERY

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 Copper 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.

"A Wounded Heart"

By Chas. Garvice

By the magic pen of the author, we are carried through the seductive and intricate mazes of a thrilling and romantic life drama of unparalleled interest. In beautiful England, sunny France, and distant Australia, we watch the movements of life-like, splendidly drawn flesh and blood characters, and follow their fortunes with a zealous devotion that never flags. The end of the story is not achieved until the trusting heart of the heroine has been sorely wounded, and she has passed through trials which win for her the love and sympathy of all.



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

TREMENDOUS ADVANTAGES IN QUALITY AND PRICE—WRITE TODAY PIANO SALE

The Nineteenth Annual Midsummer Sale of THE J. W. JENKINS SONS

**A Few Dollars
Down Then
\$5 and Up
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MUSIC COMPANY offers the greatest opportunity to SAVE in the purchase of a piano ever presented in the Southwest. More than 1200 Pianos—every well known make represented. There may never be another chance to buy pianos for little—cost of materials are going up.

**SAVE \$50
TO \$200
BY BUYING NOW**

If you ever intend to buy a piano now is the time. Note these prices

No. K 933. Sumner used upright grand \$5 Monthly. \$45	No. K 947. \$275 Kimball used upright grand. \$135 \$5 Monthly.	No. K 928. \$425 Kurtz- mann used up- right grand.... \$265 \$7 Monthly.	
No. K 935. \$325 Emerson used upright grand \$5 Monthly. \$78	No. K 949. \$375 Wash- burn used up- right grand.... \$210 \$6 Monthly.	No. K 905. \$400 Marshall & Smith used up- right grand.... \$35 \$5 Monthly.	
No. K 937. \$375 Camp & Co. used upright grand. \$115 \$5 Monthly.	No. K 965. \$400 Ellington (Baldwin Make) used upright grand.... \$235 \$6 Monthly.	No. K 906. \$400 Chase used upright grand \$5 Monthly. \$80	
No. K 939. Cable & Sons used upright grand \$5 Monthly. \$50	No. K 956. \$500 Bradbury used upright grand. \$260 \$7 Monthly.	No. K 929. Royal Krell used upright grand \$5 Monthly. \$90	
No. K 946. \$375 New Eng- land used up- right grand.... \$120 \$5 Monthly.	No. K 976. \$360 Batley used upright grand. \$140 \$5 Monthly.	No. K 931. \$325 New Eng- land used upright grand. \$85 \$5 Monthly.	
No. K 930. \$375 Bush & Gertz used up- right grand.... \$115 \$5 Monthly.	No. K 1003. \$325 Kimball used upr. grand. \$175 \$5 Monthly.	Exceptional Bargains Player Pianos	
No. K 969. \$375 Harvard (Everett Make) used upright grand... \$190 \$5 Monthly.	No. K 1004. \$500 Kranich & Bach used up- right grand.... \$265 \$6 Monthly.	K No. 1. \$450 Concord Player Piano. \$235	
No. K 972. \$500 Hallett & Davis used up- right grand.... \$190 \$5 Monthly.	No. K 1005. \$400 Edmund Gram used up- right grand.... \$240 \$6 Monthly.	K No. 3. Chilton Player Piano, used. \$335	
No. K 914. \$600 Weber used upright grand. \$390 \$10 Monthly.	No. K 1006. \$400 Conover Bro. used up- right grand. \$160 \$5 Monthly.	K No. 4. Elburn Player Piano, used. \$375	
No. K 916. \$500 Crown used upright grand. \$245 \$6 Monthly.	No. K 1012. \$325 De Re- vass & Harris used up- right grand.... \$185 \$5 Monthly.	K No. 6. \$600 Behring Player Piano, used. \$420	
No. K 919. \$450 Emerson used upright grand. \$235 \$6 Monthly.	No. K 1010. \$325 Steger used upr. grand... \$195 \$5 Monthly.	K No. 7. \$650 Kurtzmann Player Piano, used. \$435	
No. K 941. \$500 Victor (Bush & Lane Make) used upr. grand... \$225 \$6 Monthly.	No. K 1009. \$300 Elburn used upr. grand... \$195 \$5 Monthly.	K No. 8. Stuyvesant Pla- nola, used. \$400	
		K No. 9. \$900 Steck Pla- nola, used. \$675	
		Outside Piano Players and Pianolas.	
		Chase & Baker, used... \$225	
		Genuine Pianola, used. \$425	
		\$250 Pianola, used. \$55	
		18 rolls music, your own choice, good bench, scarf free with player pianos. 1 rolls and bench free with outside players.	

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Don't Delay**

**J. W. JENKINS
SONS' MUSIC CO.**
1015 WALNUT ST. KANSAS CITY, MO.

**1200 Pianos
90 WELL
KNOWN MAKES**

High Record for Wheat

(Owing to the fact that this paper is neces-
sarily printed several days prior to the date
of publication, this market report is ar-
ranged only as a record of prices prevailing
at the time the paper goes to press, the
Monday preceding the Saturday of pub-
lication.)

Wheat is higher now than ever be-
fore in August in the last 46 years or
more, and the crop of the United
States is the smallest, in proportion to
population, of any year within that
period.

According to the estimates of the
Department of Agriculture at Wash-
ington this year's probable crop is 654
million bushels and the surplus above
home needs is only 34 million bushels.

According to these statistics the
United States has an exportable sur-
plus of 164 million bushels of wheat,
which exceeds the quantity exported
in 10 of the last 15 years.

From the United States and Canada
combined, Europe can obtain about 200
million bushels less wheat this year
than last.

North America will be called on to
supply about 344 million bushels. That
quantity is nearly 100 million bushels
more than the probable available sur-
plus in the United States and Canada.

It is evident therefore that there
must be some curtailment of wheat
consumption the world over to make
supply and demand balance between
now and harvest.

The only efficient method of auto-
matically effecting this adjustment is
by high prices.

American markets must be main-
tained on a level high enough to pre-
vent the exportation of more wheat
than can be spared; high enough, in
other words, to insure retaining enough
wheat for home needs.

Is the present high price enough to
accomplish this purpose? That is the
question on which the future course of
the market hinges.

Current supplies of wheat in com-
mercial channels are very large for this
time of year. The United States and
Canada elevators and mills on August
1, held 113 million bushels, 86 million
more than a year ago. Farmers are
selling freely.

Last week's advance, that carried
May wheat to \$1.49 in Kansas City and
\$1.55 in Chicago, afforded opportuni-
ties for speculators who bought during
the black rust scare to sell out with
large profits.

Corn prices kept within a moderate
range, considering the critical crop sit-
uation.

Extremely hot weather prevailed
most of the week in the corn states.
Local showers fell every day in some
sections, and there were rather exten-
sive areas that got enough rain to
check the deterioration of the crop,
but large sections got scarcely any
relief and the crop prospect goes on
diminishing as a whole.

The August government report Tues-
day with a forecast of 2,770 million
bushels, only 96 million under the July
1 forecast, made a better showing than
expected, but the weather since August
1 has caused additional loss.

Because of urgent shipping demand
and a strong showing of dry weather
offerings in the receipts hog prices
last week took a bound upward and
reached the highest position ever
known in August, and except in March
and April, 1910, the highest on record.
Prices started up Monday, and Thurs-
day and Friday the biggest gains were
reported.

Indications of dry weather market-
ing showed in the number of mixed
shipments. In many cases loads of
hogs look like the owner had driven
the entire swine population from his
farm. The result of such marketing,
packers say, will be that heavy hogs
during the winter months will be below
normal supply.

The cattle market showed increasing
pressure from dry hot weather. Half
fat steers from pastures and increasing
shipments of native cattle that took
the entire farm herd were the evi-
dences. The five Western markets re-
ceived 159,000 cattle this week, about
29,000 more than last week and 37,000
more than a year ago. Kansas City
received more cattle and a larger in-
crease than any other market. Rains
and cooler weather would relieve the
situation and strengthen the market
materially by an increase in the coun-
try demand.

Prices were irregular. The bulk of
the cattle which were grass fat were
quoted 30 to 40 cents lower, and the
heavy grass fat steers, especially win-
ter steers, were steady to 15 cents
off. The choice to prime corn fat
steers were 15 to 25 cents higher, top
\$10.25 in Kansas City. Fed yearlings
and mixed steers and heifers were 10
to 15 cents higher.

Lamb prices are the highest ever
known in August. Choice Idaho and
Utah lambs sold up to \$11.45 and native
lambs up to \$10.75. The full advance
was not maintained, but the net gain
for the week was 15 to 25 cents.

I would not do without the Farmers
Mail and Breeze if it took the last
dollar.
Cleveland, Kan.
I. Pestinger.

Theory is all right in its place—but
practical results are what count.

From Our Mills HONEST LUMBER

Direct to You



A FULL 2x4

"Tacoma FULL Dimension"

cut from clean, straight No. 1 Doug-
las Fir, sized to standard width,
guaranteed full 2 inches thick and
25% to 27% stronger, by test, than
scant 1 1/2-inch standard dimension.



"Dakota Clears"

A Lifetime Shingle

SOMETHING ENTIRELY NEW.

Send for Free Sample.

Send lumber list for delivered price.
Buy direct at manufacturers' prices.
No money in advance—pay after your
inspection. No delay.

LOCAL LUMBER CO.

Dept. D. TACOMA, WASH.

References, Any Bank in Tacoma

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THE HIGHEST GRADE OF REFINED CREOSOTE

Save Your Lumber

Fence posts, Silos, Shingles, etc., are safe
against rot and decay when treated with
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EASY TO APPLY

With our simple directions any one about
the farm can treat your fence posts, silos,
shingles, etc. Then your property is pro-
tected against rot and decay. The First
Cost is Small but the Final Saving is Big.

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Learn more about NO DECAY and how
it will add to your farm profits by re-
ducing your expenses. The number of
uses to which you can profitably put NO
DECAY will surprise you. Write us
today for interesting literature about NO
DECAY, the preserver that will save you
money. Everything sent free, so mail a
postal or letter today.

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If you're a man of energy and business ability, here's an
opening worth consideration. There is a
great demand for drilled water wells, and
there's large sure profits to the man with a

STAR DRILLING MACHINE

Portable—Steam or Gasoline

Best by test. Low in price, high
in practical worth. You can make
it pay for itself and earn dividends
all the time. Look into this! Sold
on payment plan if desired.

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fits. Write us and we'll mail
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the way to money making.
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Durable, Powerful, Reliable, Mas-
sive. Built to last; to do hard,
heavy work. Uses Cheapest Fuel.
Pull 1/2 to 1/4 horse-power more than
rated. 3 Months Trial. Easy Terms. Sizes
1 1/2 to 22 H.P. Easy to start. No Cranking. No
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551 King Street, OTTAWA, KANSAS.

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Harvester cuts and throws in pile on
harvesting or windrows. Man and
horse cuts and shocks equal to a Corn
Blender. Sold in every state. Price
only \$22.00 with fodder blinder. Tes-
timonials and catalog FREE showing picture of Harvester.

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A 60-TON SILO

No Scaffolding \$75
Erected One Day
Round Wood Stave
Fully Guaranteed. **BONITA FARM, RAYMORE, MO.**

Embroidery Set FREE

This beautiful 4-piece Ta-
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terpiece with 4 dollies to match. Stamp-
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This free to all who send only 1c for
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SUIT \$11.00

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Amazing low price for two-piece suit
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guaranteed to fit you perfectly. We send
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Wagon parts of all
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KING GRAIN DRILLS in every
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New 1916
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sample
amount you
have to offer and price desired, and
we will try and buy it of you. Write
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14¢ CENTS A ROD for a
30-inch high fence;
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styles Farm, Poultry and Lawn
Fences. Low prices Barbed Wire.
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all steel, most practical, absolute-
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Looks Like
a \$2,000
Racing
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Boys! Girls! This Culver Automobile FREE

Runs Wherever
a Big Car
Will Go

Goes 60 Miles
on
One Gallon
of Gasoline

**Not a Toy—A Genuine Automobile
Built For Boys and Girls. Don't Miss This
Wonderful Chance to Get a Real Automobile Free**

Boys and Girls, Look at This Picture of the CULVER AUTO! It shows the first and only real automobile run by gasoline built just for boys and girls. Does it look like a toy to you? Not on your life! No more like a toy than a thousand-dollar full-size automobile. It looks just like what it really is—a wonderful, speedy, powerful automobile that will carry you and your chum wherever you want to go, and carry you fast!

Room For Two Passengers—Even Three

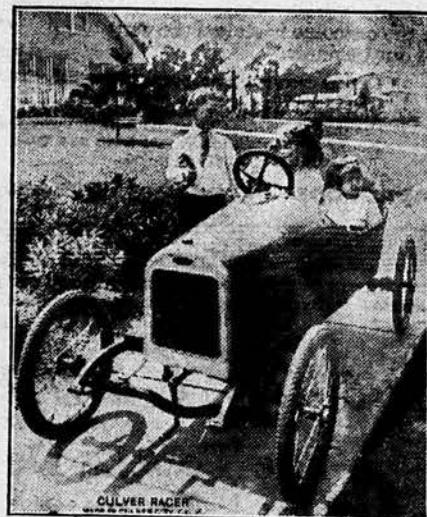
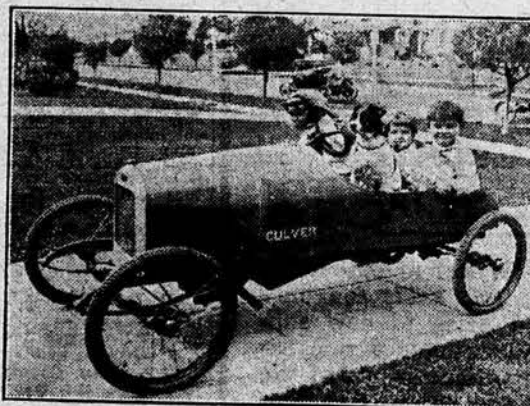
This car is big and strong enough to carry a heavy grown person on any road or up any hill that any car can climb. It carries two 15-year old boys or three 10-year old boys. You can simply fly in it—as fast as fifteen miles an hour! You can hunt fish and swim; you can camp and get into sports and games far away, go to parties and picnics miles from home—yet never worry your mother by missing a meal. You can run errands for father and mother—the farther the distance the better you'll like the job.

Ride Several Miles For a Few Cents

Did you ever hear anything so wonderful? Just think!—the CULVER AUTO will take you sixty miles on one gallon of gasoline! The gas tank holds two gallons, so you ride 120 miles on one filling, which costs only a few cents. Boys and girls, can you think of anything so fine to own as a real automobile of your own? Why, it's something to dream about all night, and all day you'll be thinking of the times you and your chum can have with a CULVER AUTO. There's nothing in the world I'd rather offer you—there's nothing that will do you so much good or give you so much genuine, healthy fun. **WIN IT, WIN IT.**

Read These Specifications

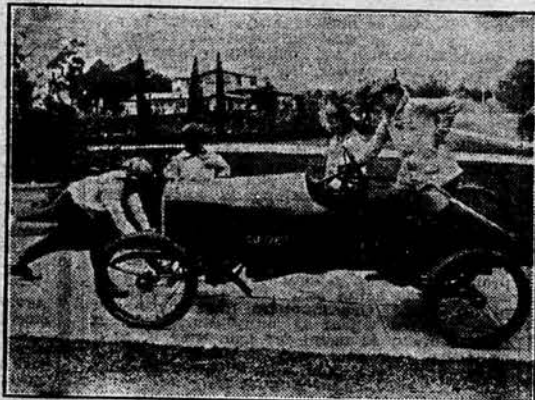
The CULVER'S frame is pressed channel steel; body, 22-gauge body steel. Steering wheel, wood with metal spider. Wheels, ball-bearing wire, 20x2 clincher rims with inner tube non-skid tires. Clutch, foot pedal, ball-bearing thrust. Axles, crucible steel. Gas tank holds two gallons and the car runs 60 miles to the gallon. Upholstering, imitation leather, cushion seat and back. Wheel base, 63 inches; width of track, 36 inches—what a fine big car this is! Springs, easy riding cantilever type in front, elliptic in back. Oil, splash system, vacuum gravity feed. Transmission, shaft drive, friction ball-bearing. Speeds, three forward, two reverse. Brakes, foot and hand, external, contracting 5-inch Raybestos. Engine, five-horsepower, air cooled, four-cycle, gives speed up to 15 miles an hour and drives car up steepest grades. Ignition, battery or set spark, high grade Heco magneto. Weight, 250 pounds. Color, any color you like, tell us which. Equipment, tire pump and kit of tools, instruction book and guarantee the same as for any high grade automobile. When the CULVER is put on the market its price will be \$250. But now you can get it by **WINNING IT.**



Any boy or girl can easily learn to run the Culver Auto. Very likely you already know as much about automobiles as most folks who own one. If so, there's nothing for you to learn about the Culver Auto. You can crank 'er up, jump right in, give her the gas, push the pedal to engage gear and away you go like a bird.

A Prize to Every Boy and Girl Who Enters the Contest

In addition to the automobile I am going to give a prize to every boy and girl who enters the contest. No boy or girl has a better chance than you to get this dandy car, without it costing you or your parents one penny, if you send the coupon right away.



Some Boy or Girl Is Going to Be the Proud Owner of This Brand New Culver Auto

And the nice thing about it is, that it will not cost them a cent, for I even prepay the freight charges. You cannot lose. Everybody has an equal chance for the Culver Auto and other prizes. Remember everybody receives a reward. No experience is necessary. Just as soon as you mail me the Information Blank printed below, I will send full information as to how you can easily secure this Culver Auto and other prizes without a cent of cost to you. Should two persons tie for a prize, each will receive the full award tied for. Surely you cannot afford to pass up this opportunity to get a real auto for your very own. Make up your mind now that you will be a winner. I will help you, but you must sign and mail the coupon right away.

Address **UNCLE DICK, 750 Capital Bldg., Topeka, Kan.**

FREE INFORMATION COUPON

UNCLE DICK, 750 Capital Bldg., Topeka, Kan.

Dear Uncle Dick: I am interested in your Auto Club. Please tell me how I can become a member, and earn the Culver Auto without it costing me a cent.

My name

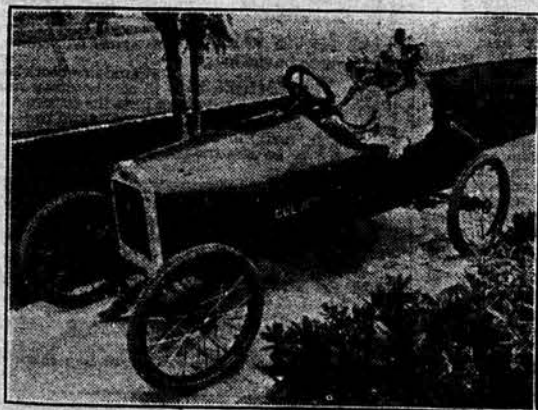
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State R. F. D.

I Have Special Plan That Will Make It Very Easy For You

Every boy and girl who enters this contest is going to receive from me a lot of help that will make it easy for them to win. In fact, this plan will make this contest a pleasure for you from start to finish. It will be different from any contest you have ever entered before and different from any you have ever heard or read about.

I will tell you all about it just as soon as you fill out and return the coupon at the right. Make up your mind now that you will be one of the winners. I'll help you, but you must act quick and mail the coupon right away.



many on pasture. A number of silos are being constructed—more cement than any other kind.—W. A. Harvey, August 11.

Lyon County—Very little rain since June. Corn is dry enough to shock and put in silos. Several silos will be filled with fodder. Corn will make good silo cow feed. It is too dry to plow. Hay has been stacked in good condition. Kafir, feterita and cane are suffering for rain. Stock is doing fairly well on the prairies. The best crop we have is the office seekers. Wheat \$1.30 for No. 2; flour \$1.75; hay \$6 to \$7; kafir 90c; corn 90c.—E. R. Griffith, August 12.

Finney County—Southwest Kansas is getting the dry extreme that follows the wet one of 1915. Two inches of rain in April, 3 in June and 1 in July and none yet in August is about all the precipitation we have had since October, 1915. With south wind every day for a month and the temperature running up to from 95 to 104 daily, crops are at a standstill. Well kept fields of milo and feterita may make fair crops yet if relief comes soon.—H. W. Smith, August 10.

Allen County—This was the driest July on record. Corn is the poorest for years. Local showers in places helped some. The hay is nearly all up and the yield is fair. Oats are making from 10 to 25 bushels, flax 4 to 10. Broomcorn is the poorest crop for years, about one-sixth of the average crop. Cattle are moving to market; also nearly all the old sows and pigs. Fewer hogs here than for years. There are no peaches nor apples. Potatoes are almost cooked in the ground. Corn 85c; oats 40c; flax \$1.75.—Geo. O. Johnson, August 10.

OKLAHOMA.

Ellis County—It has been very dry here, but we had a nice rain August 7. Almost all threshing is done. Wheat is making



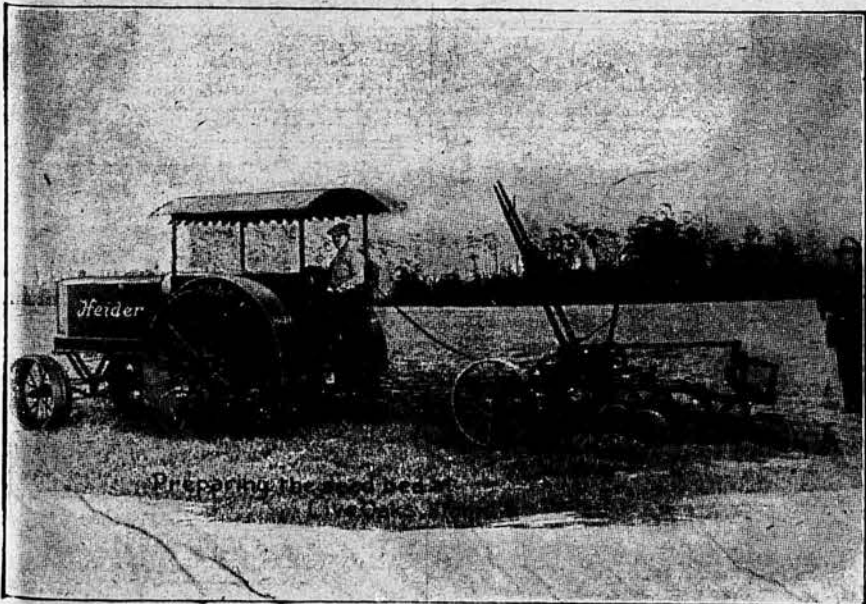
about 9 bushels on the average and is of good quality. It has been too dry to plow. Pastures are about dried up. Wheat \$1.12; cotton 52c; potatoes \$1.80; eggs 8c.—W. E. Sells, August 10.

Cleveland County—A good rain is needed. The ground is too dry to make plowing a success, altho some farmers are working at it. Weed cutting, repairing and odd jobs are in order on most farms. Pastures are getting dry and late crops are at a standstill. Corn and early kafir crops are made. There are splendid crops of both here. Not much grain is going to market. Nearly all farmers are holding crop for higher prices. Cotton looks fine; a heavy crop of bolls is setting on. Butter 25c; eggs 20c; fry 17c.—H. J. Dietrich, August 10.

Pottawatomie County—It is very dry. There has been no rain since June 28. Corn will be about half a crop. Webworms are killing the alfalfa. Sudan grass is the only crop standing the dry hot weather. All other crops are badly damaged. Threshing has been done. Oats crop is very short. Water is getting scarce on high land. Pastures are dead. Eggs 20c; potatoes \$1; corn 75c; hay \$6 to \$8; chickens 12c; butter 25c.—L. J. Devore, August 12.

Enlarging College Building.

Chillicothe, Mo., August 7, 1916.—Workmen started today adding a fourth floor to the main building of the Chillicothe



A Heider Tractor at work in Florida. The Heider is one of the lighter, all purpose tractors. Carries a Waukesha motor. Runs on gasoline or kerosene. Made by Rock Island Plow Co., Rock Island, Ill.

Business college which when completed will house the telegraphy department. It is expected to have the work completed in time for the fall opening, September 5. With this end in view, as many workmen are being engaged as possible and everything is being done to prevent delays. The new quarters of the telegraphy department will be more than double the present quarters and will give the college capacity for 500 telegraphy students annually. It was the intention of the college to get along with its present quarters, at least for the approaching year, but the big mails which the college is receiving assure a much greater enrollment than the past year and caused the school authorities to contract for the extensive addition at this time.

A Typical Modern Hog House.

This illustration shows an excellent example of approved, modern hog house construction. This hog house is on the farm of T. E. Keeler, Mason City, Iowa, and its arrangement is such as to practically guarantee success with early pigs and insure healthy hogs. It is lighted by roof windows of the latest-improved design which admit direct sunshine on the pen floors and insure the hogs the benefit of natural light and warmth which are so essential to best growth. The windows installed are Chief Sunshine Windows—a type of window now well known and universally approved by hog raisers for the satisfactory service they give. These windows are made of heavy galvanized steel with glass held in place by copper clips—no putty used—and protected by strong wire mesh. They are entirely leak-proof—center and side pieces are trough-shaped and flashing is under shingles at top and over shingles at bottom. Nothing about them to wear out—they cannot rot, rust, warp, shrink or swell. They are easy to put into new or old houses and are economical and serviceable. Chief Sunshine windows are manufactured by

Shrauger & Johnson, 580 Walnut St., Atlantic, Iowa, and are now giving satisfactory service for enthusiastic hog raisers all over this country. They are admittedly a practical solution of the problem of "Sunshine for the hogs."—Advertisement.

A Big International

The preliminary classification of the International Livestock Exposition is ready, and it may be obtained on application to the secretary, Union Stock Yards, Chicago. The show this year will be held December 2 to 9. The entries close November 1 in the individual classes and November 25 in the carload classes.

A Fair for Chase

A county fair will be held in Chase county this year on Middle Creek in the west part of the county. F. O. Prache of Elmdale is secretary.

When Building a Home, Are You Thinking of the Years to Come?

The true worth of your home is the year-by-year enjoyment you get out of it. A few more dollars invested now in guaranteed, trademarked Curtis Woodwork is mighty cheap satisfaction-insurance. Think how small any difference will be when distributed over the years your home will last.

1866 CURTIS WOODWORK

"The Permanent Furniture For Your Home"

Curtis Woodwork has gone into good homes for 50 years. Its quality and workmanship make it the most satisfactory you can buy. Every piece is trademarked and guaranteed. Ask your lumber dealer to show you his Curtis Catalog containing every design. Also have him show you some woodwork bearing the Curtis trademark.

Home Book FREE

You will find one of our Home Books a great help in planning your home. These books are Free. Send for yours today. Even though you've decided on your plan, these books show you the importance of good woodwork in your home and may save many later regrets. "Better Built Homes" contains houses from \$800 to \$3000; "Homelike Homes"—\$3000 up; "Attractive Bungalows"—the best types. The books show exteriors, floor plans and rooms finished in Curtis Woodwork. Write on the coupon which book you want, and mail it to

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1379-1479 S. Second Street, Clinton, Iowa

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The Makers of CURTIS Woodwork Guarantee Complete Satisfaction to its Users.

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Without obligation
please send me.....

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R.F.D.

Town

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6 GRAND TULIPS FREE

Our nursery supply house having imported from Holland, a large number of fall planting bulbs, we are able to give our readers one of the best bargains in tulips ever offered—the finest varieties obtainable. Now is the time to plant the bulbs for spring flowers.

Red, White, Yellow, Pink, Striped and Variegated—Single, Double and Parrot

This is, without exception, the finest mixture of Early Flowering Tulip bulbs ever offered. These bulbs are sure to give the best of satisfaction, all strong bulbs, the best that are produced, and are suitable for forcing or growing outdoors. Tulips are without question the crowning glory of spring's riotous bloom and the varieties we offer are magnificent specimens. Send 35 cents today for a one year's subscription to Missouri Valley Farmer and receive 6 Choice, Fancy Tulips Free; or better still, send 50c for a 2 year subscription and get one dozen Free. We deliver them to you by parcel post, prepaid.

Send your order now, before this offer is withdrawn.
THE MISSOURI VALLEY FARMER
Bulb Dept. 5
Topeka, Kansas

When writing to advertisers please mention the Farmers Mail and Breeze.

FARMERS CLASSIFIED ADVERTISEMENTS

Farmers Mail and Breeze is the greatest classified advertising medium in the farm paper field. It carries the most classified advertising because it gives the best results. The rate is low: 5 cents a word; four or more consecutive insertions 4 1/2 cents a word. Here is a splendid opportunity for selling poultry, livestock, land, seeds and nursery stock, for renting a farm, or securing help or a situation. Write us for proof that it pays. Everybody reads these little ads. Try a classified advertisement now.

POULTRY

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

ANCONAS.

ANCONA CKLS. AND COCKS, \$3. \$5. GOOD color. Sons of good layers. Mrs. J. B. Owens, Weaubleau, Mo.

DUCKS.

BEAUTIFUL FAWN AND WHITE RUNNER ducks 1 year old, 60c. Ducklings 6 weeks old 20c. Minnie Hoyt, Wilmet, Kan.

LEGHORNS.

SINGLE COMB WHITE LEGHORN YEARLING hens \$1.00 each. Eggs \$1 per 15, \$3 per 100. A. Pitney, Belvue, Kan.

FOR SALE—THOUSANDS BABY WHITE Leghorns from hens that pay \$7 per year each. 6 cents. Clara Colwell, Smith Center, Kan.

PLYMOUTH ROCKS.

BUFF ROCK HENS \$11 DOZEN. Mrs. Geo. Lenz, Ford, Kan.

BARRED ROCKS AND ITALIAN BEES. Miss Mattie A. Gillespie, Clay Center, Kan.

BUFF ROCKS. A FEW YOUNG HENS for sale. William A. Hess, Humboldt, Kansas.

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

SEVERAL VARIETIES.

PIGEON SALE—ALL BREEDS. SEND for price list. Ed Vanderbur, Russell, Kan.

PIGEONS, BROILERS, HENS, DUCKS AND guineas wanted. Coops loaned free. Cash offers on request. The Copes, Topeka.

LIVE STOCK

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

FOR SALE—FIVE REGISTERED OXFORD rams. Priced right. G. H. Ford, Moran, Kan.

FOR SALE—CHOICE OF 50 FINE HOLSTEIN heifers. Lone Star Dairy Farm, Mulvane, Kan.

APRIL DUROCS; PREMIUM STOCK. \$10 each. Jackson & Counter, Crawford Bldg., Topeka, Kan.

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

ANGORA GOATS FOR SALE: GOOD stock; either sex; large herd; \$5.00 each. D. E. Waggoner, Lamar, Colo.

FOR SALE AT A BARGAIN. 5 MAMMOTH jacks and 6 Jennets. Good size and bone. Earle K. Rogers, Marion, Kan., R. F. D. No. 2.

10 EXTRA HIGH GRADE JERSEY COWS \$75.00 each. If taken together. Bred to Bell's Fern of Hood Farm. Will calve Sept. and Oct. Jas. R. Snyder, Box B. Frazer, Mo.

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

PET STOCK

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

FOX TERRIER PUPPIES. MALES \$5, FEMALES \$3. Western Home Kennels, St. John, Kan.

RABBITS, FANCY COLORS. BEAUTIFUL pets, \$1 each, pair \$1.50. E. Harr, Riverside, Iowa.

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

PUREBRED SCOTCH COLLIE PUPPIES for sale. Males five dollars. Females three dollars. M. L. Dickson, Englewood, Kansas.

FERRETS, DRIVE OUT MINK, GOPHERS, squirrels, rabbits, prairie dogs and exterminate rats. Book for stamp. Augustine, Whitehall, Wis.

SEEDS AND NURSERIES

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

SEED WHEAT: GOLD MEDAL AT FRISCO, first prize at Kansas State Fair, no smut, no rye, heavy test, and the top price on the market. Write for sample and price. The Gould Grain Company, Bucklin, Kansas.

CHOICE WHITE SWEET CLOVER FOR fall sowing cheap. John Lewis, Hamilton, Kan.

HOMEGROWN ALFALFA AND WHITE blossom Sweet clover, fancy and choice. Write for samples and prices. Asher Adams, Osage City, Kansas.

ALFALFA AND SWEET CLOVER SEED: new crop, non-irrigated, cleaned alfalfa seed at \$9, \$10 and \$11.00 per bu. White bloom Sweet clover seed \$6.60 and \$8.40 per bu. our track. Seamless bags 25c each. The L. C. Adam Mercantile Co., Cedar Vale, Kan.

LANDS

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

WILL EXCHANGE GOOD 200 A. IMP. IN Linn Co. for land in Sheridan Co. or joining Co's. Ben Anderson, Lawrence, Kan., R. No. 1.

100 ACRES, WELL IMPROVED. 9 MI. Texarkana, \$25.00 per acre. Terms on part. W. F. Harvey, Nash, Texas, R. 2, Bowie Co.

FOR SALE—160 A. 1 MI. FROM COUNTY seat, improvements, fine water. Terms. R. B. Drais, Eads, Colo.

300 ACRES GRASS, HAY AND TIMBER land. Plenty of water for irrigation. A. H. Davis, owner, Debs, Colo.

FINE MANHATTAN, KANSAS, SUBURBAN property for sale, 20 acres, good house and barn, good well, near state college. G. A. Mitchell, Freeport, Ill.

IOWA AND MINNESOTA FARMS. Bargains to trade for improved or unimproved Kansas or Missouri land. Address Owner, 3301 S. W. 7th St., Des Moines, Ia.

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

10 ACRES, WELL IMPROVED, FOUR blocks from high school. Located in Oswego, Kansas, county seat of Labette county. Must sell at once for only \$3,000. Write or see H. N. Robinson, Oswego, Kansas.

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

OKLAHOMA FARM FOR SALE. 480 ACRES in Nowata County, Oklahoma, being located five miles Southeast of Wann, a town of 500 population, on the M. K. & T. Railway, and six miles West of Lenapah, a town of 1,000 population on the Missouri Pacific Railway, and 14 miles Southwest of Coffeyville, Kan., a town of 20,000 population, and 15 miles Northwest of Nowata, a town of 6,000 population, and County Seat of Nowata County. The farm has 160 acres in cultivation and 320 acres in meadow and pasture land; all of the land can be cultivated except about 60 acres, which lays a little rolling, and has a few rock on it, but this 60 acres is good pasture land; five acres is fenced with hog wire, balance of the farm is fenced with 3 barbed wires. The farm is watered with 3 good springs and a good pond, there is plenty of shade along the creek for stock. This is a prairie farm, and the soil is a black and red limestone formation, the most fertile land to be found anywhere. This farm is in the oil and gas belt, and pays an annual rental on the oil lease now covering same of \$480.00 per year until drilled, and when drilled upon and oil is found 12 1/2% of all the oil produced, which if oil is found would make a fortune for the person owning the farm. This farm lies in a solid body and is described as the SW 1/4 of Sec. 29, the SE 1/4 of Sec. 30, and the NE 1/4 of Section 30, all in Township 28 N Range 15 East. There is an old set of improvements on the place, and a new set of improvements, consisting of a 5 room house with porches, and a barn size 40x46 with 14 ft. boxing, that were built in 1916, and cost \$2,000.00. Price \$25.00 per acre. Terms 1/3 cash, balance on 5 years' time at 6%. Write Eugene Wilkinson, owner, Nowata, Okla.

FARMS WANTED

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

FARMS WANTED—HAVE 4,000 BUYERS; describe your unsold property. 506 Farmers Exchange, Denver, Colo.

WANTED A FARM FOR RENT. CAN FURNISH best of references. Write me what you have. J. C. Brick, Haddam, Kan.

WANTED TO RENT A GOOD FARM BETWEEN Topeka and Kansas City. 160 acres or more. F. W. Kapelle, Wellsville, Kan.

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

FOR SALE

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

HART-PARR 22x45 KEROSENE TRACTOR, good shape, \$675. S. B. Vaughan, Newton, Kansas.

18 H. P. ENGINE AND 32x54 AVERY separator. Nearly new. Elmer Nesser, Sparks, Kan.

FOR SALE—REEVES ALFALFA HULLER. Good shape, \$150. Ben Anderson, Lawrence, Kan., R. No. 1.

TOMATOES PICKED FOR SHIPPING, TWO cents a pound by express. T. F. Pine, R. R. 3, Lawrence, Kan.

ICE PLANT FOR SALE—FIVE TON plant running full capacity. Write to Ice Plant, care Mail and Breeze, Topeka, Kan.

FOR SALE OR TRADE—VERY CHEAP, one 50 and one 60 H. P. gas and gasoline engines, second hand. J. T. Axtell, Newton, Kan.

HART-PARR LITTLE DEVIL FOR SALE at \$600.00. Has only plowed 45 a. and is in fine shape. J. G. Gardner, R. R. No. 2, Las Animas, Colo.

AVERY 40-80 GAS TRACTOR, 10 BOTTOM Self Lift plow. Latest model, first class condition. For sale at bargain. Shidler Bros., Anthony, Kan.

TENNIS GOODS, WHOLESALE AND RETAIL. Championship balls 38 cents each, also full line sporting goods. Varsity Athletic Shop, Manhattan, Kan.

TRACTOR FOR SALE—BIG BULL GOOD as new. Plowed about 20 acres. Reason for selling, going into dairy. Must be sold soon at bargain. R. L. Hammons, Mapleton, Kan.

FOR SALE—HARNESSES, SUIT CASES, trunks, ball goods, and repairing. Price about \$1,500.00. Reason, other business. Only one in town. Will bear inspection. Fred L. Kent, Uniontown, Kansas.

FOR SALE—MODERN 8 ROOM HOUSE with large sleeping porch. Close to Agricultural college. Good business section. Will pay expenses while educating children. S. A. Baldwin, Manhattan, Kan.

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

LUMBER

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

LUMBER! BUY FROM US. HIGH GRADE. Bottom prices. Quick shipment. Keystone Lumber Co., Tacoma, Wash.

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

BEES AND HONEY

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

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

NEW ALFALFA COMB HONEY. TWO five gallon cans \$12.00. Extracted \$11.00. Single cans 25 cents extra. Bert W. Hopper, Rocky Ford, Colo.

MALE HELP WANTED

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

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

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

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

HELP WANTED

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

GIRLS WANTED IN NURSES' TRAINING school. Allowance \$180. Dr. Adams, 1000 Rialto, K. C., Mo.

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

GIVE MEN IN EVERY COUNTY IN KANSAS to sell accident and health insurance for \$35,000,000 company. Address H. F. Gates, State Manager, Mulvane Bldg., Topeka, Kan.

THOUSANDS U. S. GOVERNMENT JOBS now open to farmers—Men and women. \$65 to \$150 month. Common education sufficient. Write immediately for list of positions obtainable. Franklin Institute, Dept. N 51, Rochester, N. Y.

CREAM WANTED

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

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

TANNING

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

LET US TAN YOUR HIDE: COW, HORSE, or calf skins for coat or robe. Catalogue on request. The Crosby Frisian Fur Co., Rochester, N. Y.

FENCE POSTS

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

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

PATENTS

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

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

MEN OF IDEAS AND INVENTIVE ABILITY should write for new "List of Needed Inventions," Patent Buyers, and "How to Get Your Patent and Your Money." Advice free. Randolph & Co., Patent Attorneys, Dept. 26, Washington, D. C.

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

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

MISCELLANEOUS

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

FARM TO RENT FOR CASH. 110 ACRES under cultivation. T. J. Getz, Hope, Kan.

DAIRY OPPORTUNITY—WANTED GOOD dairy man to take charge of farm Eastern Kansas. J. L. Kennard, Lincoln, Neb.

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

Stop the waste of the timber on the farm! Clean up the dead and down stuff; give the growing trees a chance.

Sunshine is the best "germ killer" ever invented. Just because it happens to be free it is not often enough mentioned.

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 discontinuance orders and change 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 electrotyped.

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

TEN quarters of fine wheat land in Western Kansas. Cheap. Guss Schimpff, Burns, Kan.

3600 ACRES, well watered. Price \$8.50 per acre. Holland & Pennington, Coldwater, Ks.

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

CLARK COUNTY wheat and ranch land, \$10 up. Harvey & Woodring, Ashland, Kan.

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

CHASE CO. RANCHES and grass land for sale only. No trades. Webb & Park, Clements, Kan.

160 ACRES well improved, 60 cultivation; balance pasture. \$45 an a. Exchanges made. Union Thomas, Alta Vista, Kan.

HAVE MOVED to Springfield, Illinois. Want to sell three improved alfalfa and grain farms near Howard, Kansas. N. O. Tate.

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

YOU WANT GOOD LANDS, come to Hugoton, Stevens County, Kan., look over our bargains and buy; low prices; easy terms. Holman, McCoy & Grandy, Hugoton, Kan.

320 A. 9 MI. SO. TOWN. Black loam; plenty good water. Fine wheat land. Lies mostly level. \$20 an a. Good terms. Other good bargains. Western R. E. Co., Ellis, Kan.

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

160 A. well improved, 5 mi. from town; plenty good water. Black loam; good wheat land, 120 a. crop; 1/4 goes with place. School; \$15 a. Terms. Winona Inv. Co., Winona, Kan.

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

FORTY-THREE ACRE tract located one mile southwest of Scott City, in Scott county, Kansas. This is a fine level tract with the very best of soil, and has good inexhaustible sheet water at about 30 feet. This land is part in cultivation, but has no improvements. This would make a fine poultry farm, or a pumping plant could be installed and developed into a fine truck farm. There are many of these pumps in this part of the country where one well will irrigate a half section of land. Price \$2,150. Scott City is a nice town and county seat. Write Geo. W. Finnup, Owner, Garden City, Kan.

280 ACRES, 100 a. cult., all bottom; bal pasture, highly improved. \$40 per acre. Karr & Christensen, Council Grove, Kan.

800 A. FINE WHEAT LAND; well located. Haskell County \$15 an acre. Millikan & Turner, Dodge City, Kan.

1916 WILL BE BANNER YEAR for Graham County on wheat and only 2 corn failures in 15 years. What better record do you want? 3 big crops in succession; land still can be had at \$25 to \$35 an acre. Improved farms; lands all under plow. Revell Realty Co., Hill City, Kan.

FOR SALE, IN SMALL TOWN. A home and good business consisting of ice, poultry and feed barn. Priced for quick sale. Reason for selling. Blaine Dodson, Carbondale, Kan.

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

80 ACRES, 1 1/2 MILES OTTAWA, KAN. 5 room house, good barn and other improvements; splendid orchard, well watered, fine location; price right for immediate sale. Write for full description of this and other farm bargains. Mansfield Land Co., Ottawa, Kan.

GOOD FARMS 160 acres..... \$3,000
320 acres..... \$9,600
540 acres..... \$20,000
Write for list of farms.
T. B. Godsey, Emporia, Kan.

Quinter, Gove Co.
Known as the garden spot of Western Kansas. 800 acres, 14 miles to town, all grass, no improvements, plenty of water, 400 acres level. Price \$12. Might consider trade. H. U. Porter, Quinter, Kan.

ROOKS CO. FARM
240 acres, 170 acres in cult. Frame house, 6 rooms. Barn 18x24, with mow. Granary 14x28. Automobile shed, well and windmill. 70 acres fenced in pasture. 7 miles to Stockton. Price \$35 per acre.
A. L. Graham, Real Estate and Farm Loans, Stockton, Kansas.

SCOTT COUNTY

Level 160, \$10; good 160, \$6.50; improved 640, \$20; improved 160, \$25; improved 320, \$20. Level 160, \$8. Level quarter, \$15. Carry \$1200.

R. H. Crabtree, Scott City, Kan.

Cheapest and Best

If you are wanting land for your home or investment, our Southwest Kansas list will suit you. No trades. Easy terms. Griffith & Baughman, Liberal, Kan.

GOVE COUNTY

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

80 Acres Only \$500

Wilson Co., Kan., 60 a. cult., 20 a. past., good bldgs.; 100 hens, cow, 2 sows, share crop, goes; only \$500; terms; \$500 holds it. R. M. Mills, Schweiter Bldg., Wichita, Kan.

Chase County Stock Ranches

If you handle stock send for list of stock ranches. Our grass puts the fat on the steer in the summer, and our farm lands grow the tall corn and alfalfa to finish him in the winter. WRITE NOW.

J. E. Bocock & Son, Cottonwood Falls, Kan.

LANE CO.

If you want to buy a farm or ranch, in the coming wheat, corn and stock county of the West, write me as we have bargains from \$5.00 to \$25 per acre. Both improved and unimproved. Let me know what size farm you want and how much you want to pay on the same.

W. V. Young, Dighton, Kansas.

4000 ACRES

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

John Breneman, Scott City, Kan.

COLORADO

LAND IN THE RAIN BELT in Elbert County, close to railroad. Easy terms. Send for literature. H. P. Vories, Pueblo, Colo.

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

FREE BOOK, maps and information Western Kansas and Colorado irrigated farms; homesteaders' excursions first and third Thursdays each month. Write Colonization Department, Missouri Pacific Railway Co., 222 North Main Street, Pueblo, Colo.

320 HOMESTEADS

Government land is all taken. I have now four 320 acre homestead relinquishments. Good. \$400 to \$1900 each. Cash. Improved. Write now. R. T. Cline, Brandon, Colo.

FOR SALE OR EXCHANGE

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

SPECIAL bargains. Ozark farms and ranches sale or trade. J. H. Engelking, Diggins, Mo.

160 ACRES imp. corn and alfalfa land close to town to exchange for merchandise. F. J. Brown, Howard, Kan.

TWO 40 A., two 80 a. and one 140 a. improved farms Washington Co., Ark. Want mds., trade all or separate. Box 84, Springdale, Ark.

240 ACRES, 100 CULT., BAL. PASTURE. Well improved; 2 springs; mtg. \$5,000. John T. Miller, Junction City, Kan.

EXCHANGE for Kansas farm land. Eight room, brick dwelling, Pueblo, Colo., rents for \$20 per month; well located. Write F. A. Mangelsdorf, Atchison, Kansas.

320 NEAR HUGOTON, WILL TAKE AUTO. Fine, smooth half section. 11 miles south County seat. Buffalo and Red Top grass. No cultivation. No improvements. Price \$15 per acre. Will take good car in part pay, carry \$800 on land long time, and balance cash. Land-Thayer Land Co., Liberal, Kansas.

160 A., 120 CULT., bal. grass, good improvements. Rice Co., Kan. This is good smooth wheat land. Price \$80 per acre, mortgage \$3,500. Would consider small farm near good school town in Eastern Kansas in trade. Write for particulars.

W. E. Lundquist, McPherson, Kan.

400 Acre Sheep, cattle and hog ranch. Sale or trade. McCormick, Aurora, Mo.

OKLAHOMA

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

20 A. 1/2 mi. McAlester, city 15,000. 15 a. cultivation, mostly dry bottom. 3 room house. \$45 per a. Terms. Southern Realty Co., McAlester, Okla.

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

200 ACRES: 4 1/2 miles out; 70 plowed; 130 pasture; good house and pure water. Corn will make 60 bu. per acre; owner lost his wife and is selling \$1000 too cheap; price \$3,250.00. Perry DeFord, Oakwood, Okla.

OKLAHOMA cheap land is getting scarce. The wonderful opportunities for grazing, oil, gas and minerals in this new state has caused it. Some few hundred acres if taken now for \$5 to \$7 per a. Size to suit purchaser. Elliott Land Co., Tulsa, Okla.

FOR SALE: A good smooth long grass 160 acres of land in N. W. Oklahoma near Guymon, and near the Kansas line. Located in the wheat belt and only about 75 feet to everlasting water. Price \$10 per acre. Address John Brown, Grandfield, Okla.

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

FINE CORN, wheat, alfalfa and wild grass land in fine prairie country. Fine climate. \$15 to \$75 per a. Illustrated folder free. E. G. Eby, Wagoner, Okla.

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

For information, write Joe A. Bartles, Dewey, Okla.

ARKANSAS

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

7,000 ACRES FINE LAND FOR SALE. Terms. Part improved. My own property. D. Hopson, Corning, Arkansas.

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.

TEXAS

SOUTH TEXAS farms \$20 acre up. Productive soil; fine climate; healthful; pure water; ample rainfall; schools; churches; splendid roads. L. Bryan & Co., Beatty Bldg., Houston, Tex.

MISSOURI

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

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

80 A. well imp. 70 cult., bal. pasture. Springs and creek. \$3200. Will take some stock. Henderson & McNeils, Stockton, Mo.

80 A. IMPROVED, \$1400. Terms and description. Fellers Realty Co., Flemington, Polk Co., Mo.

Southeast Missouri Lands

Mr. Homeseeker or Investor: If you want the best of farm lands, in the best section of the United States, and at reasonable prices, write for descriptive literature of the rich drained lands where crop failures are unknown. No trades considered.

F. S. Bice, Oran, Missouri.

AUCTION SALE OF 14 FARMS

TUESDAY, AUGUST 29.

1360 acres finest prairie land, near Sedalia, Missouri, divided into 80 to 240 acres. Railroad fare refunded purchasers. Write for free information and plans.

LA FON BROS., IONIA, MISSOURI.

NEBRASKA

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

FARM LOANS

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

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

CALIFORNIA

30 Acres Orange Land Can be irrigated. Near R. R. and markets. 10 tons grapes an acre. Cheap at \$150.00 per a. Fred Taysen, Owner, Lincoln, Calif.

MONTANA

FOR SALE: 26,000 acre well improved ranch. Montana. Price only \$9.00 per acre. L. C. Arnold & Co., St. Joseph, Mo.

IOWA

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

SOUTH DAKOTA

SOUTH DAKOTA LANDS. On Corn, Alfalfa and Grain land, South Dakota gets as large an acre yield as states farther east where land is priced two or three times as high. The price raises every year and now is the time to buy. For State bulletins address, Dept. of Immigration, Capital E 3, Pierre, S. D.

The Knife a Cure for Poll Evil

I have a 7-year-old mare with the poll evil. The swelling is about the size of a man's fist. It has been growing for six months, and is about ready to break. What is a sure cure for this trouble? E. A. F.

The only successful treatment for poll evil is a surgical one. In light cases it is sometimes sufficient simply to lance the abscesses making a large incision until drainage is perfect. The wound then is to be kept washed out daily with some reliable antiseptic such as a 2 per cent watery solution of carbolic acid.

In more severe cases, what is known as the radical operation for poll evil must be performed. This consists in making a long incision parallel to and over the middle of the poll so as to expose all the diseased tissues, removing them, providing drainage, and afterwards treating the wound with antiseptics. Such an operation must be performed with the patient under chloroform anaesthesia, and should be attempted only by a competent graduate veterinarian. If properly performed and if conditions are favorable, the cure usually will be complete in about six weeks.

Dr. R. R. Dykstra.
Kansas State Agricultural College

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. 829 Lincoln St., Topeka, Kan.
Jesse R. Johnson, Nebraska and Iowa. 1937
South 16th St., Lincoln, Neb.
C. H. Hay, S. E. Kan. and Missouri. 4204
Windsor Ave., Kansas City, Mo.

PUREBRED STOCK SALES.

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

Combination Sales.

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

Shetland Ponies.

Oct. 24—W. J. Thompson, Dorchester, Neb.
Hereford Cattle.

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

Holstein Cattle.

Aug. 24—R. F. Moore, Neosho Falls, Kan.
Oct. 10—Henry C. Glessman, Omaha, Neb.
Oct. 19—Everett Hayes, Keats, Kan.
Oct. 23—J. B. Carlisle, Bradshaw, Neb., and
J. M. Lockwood, York, Neb. Sale at
York, Neb.

Shorthorn Cattle.

Nov. 8—L. Chestnut & Sons, Geneva, Neb.
Nov. 10—S. A. Nelson & Sons, Malcolm, Neb.
Nov. 22—Tomson Brothers, Carbondale and
Dover, Kan.
Nov. 23 and 24—H. C. Lookabaugh, Wa-
tonga, Okla.
Dec. 14-15—Nebraska Shorthorn Breeders'
Ass'n, Grand Island, Neb.; Con McCarthy,
York, Neb., sale manager.

Poland China Hogs.

Oct. 14—T. J. Dawe, Troy, Kan., at St.
Joseph, Mo.
Oct. 16—Walter B. Brown, Perry, Kan.
Oct. 18—Fred G. Laptad, Lawrence, Kan.
Oct. 19—P. M. Anderson, Lathrop, Mo.
Oct. 20—Peter Luft, Almena, Kan.
Oct. 20—T. F. Walker & Son, Alexandria,
Neb.
Oct. 21—J. F. Foley, Oronoque, Kan.
Oct. 23—Forest Rock, Hemple, Mo.
Oct. 24—J. M. Lockwood, York, Neb.
Oct. 25—Smith Brothers, Superior, Neb.
Oct. 27—T. E. Durbin, King City, Mo.
Oct. 27—Von Forell Bros., Chester, Neb.
Oct. 31—Harry Wales, Peculiar, Mo.
Oct. 31—A. J. Swingle, Leonardville, Kan.
Nov. 1—J. L. Griffiths, Riley, Kan.
Nov. 2—John Kemmerer, Mankato, Kan.
Nov. 6—A. R. Enos, Ramona, Kan.
Nov. 11—S. A. Nelson & Sons, Malcolm, Neb.
Feb. 6—Frazer Brothers, Waco, Neb. Sale
at Ulica, Neb.
Feb. 7—Smith Brothers, Superior, Neb.
Feb. 8—Wm. McCurdy & Son, Tobias, Neb.
Feb. 22—A. J. Erhart & Sons, Ness City,
Kan. Sale at Hutchinson, Kan.
Feb. 23—O. B. Clemetson, Holton, Kan.
Feb. 24—C. F. Behrent, Norton, Kan.
Feb. 25—T. W. Cavett, Phillips, Neb. Sale
at Aurora, Neb.
Feb. 28—John Naiman, Alexandria, Neb.;
sale at Fairbury, Neb.

Duroc-Jersey Hogs.

Oct. 12—H. A. Deets, Kearney, Neb.
Oct. 16—Proett Bros., Alexandria, Neb.
Oct. 18—Fred G. Laptad, Lawrence, Kan.
Oct. 17—F. J. Moser, Goffs, Kan.
Jan. 22—Geo. Briggs & Sons, Clay Center,
Neb.
Nov. 2—Lant Bros., Dennis, Kan.
Nov. 3—W. W. Otey & Sons, Winfield, Kan.
Jan. 23—H. A. Deets, Kearney, Neb.
Feb. 1—Theo. Foss, Sterling, Neb.
Feb. 2—J. H. Proett & Son and H. J. Nach-
tingall & Son, Alexandria, Neb.
Feb. 7—F. J. Moser, Goffs, Kan.
Feb. 8—Dave Beseiger, Cortland, Neb.
Feb. 10—W. W. Jones, Clay Center, Kan.
Feb. 16—J. C. Boyd & Son and Ira Boyd,
Virginia, Neb.

Hampshire Hogs.

Feb. 26—A. H. Lindgren, Jansen, Neb.; sale
at Fairbury, Neb.
Feb. 27—Carl Schroeder, Avoca, Neb.

S. W. Kansas and Oklahoma

BY A. B. HUNTER.

The writer recently visited with A. J. Erhart & Sons, Ness City, Kan. The Erhart herd of Poland Chinas has become noted thruout the Southwest, having won an enviable show record and establishing a sale record, unbroken the past season by any Poland China herd of the state of Kansas, \$73 on over 60 head. The Erharts have installed an irrigation system on one of their Ness county farms, which has proved a success. Their herd shows up on the farm in better condition than ever before. They will again be out to the fairs and will again hold their annual bred sow sale at Hutchinson, Kan., February 22. They are entirely sold out of fall boars but have a fine lot of spring males from which to select; among them are a number of real herd header prospects. If you are in need of a good young Poland China boar, write at once describing what you want. Please mention Farmers Mail and Breeze.—Advertisement.

N. Kansas, S. Nebr. and Ia.

BY JOHN W. JOHNSON.

Dr. Schuyler Nichols, Herington, Kan., has an unusually good buy in a 9-months-old Holstein bull, sired by the great Canary Butter Boy and out of a 20 pound dam. He is a great young bull and will be sold at a very reasonable price. Dr. Nichols also has a number of younger bulls that are for sale. One is a February calf that is a grandson of the King of the Pontiacs. Also a 3-year-old herd bull, sired by Oak-

land Paul Beets Burke who was a son of Paul Beets De Kol who has 105 A. R. O. daughters. This bull which Dr. Nichols is now ready to sell is a faultless individual and a bull of real merit. If you are in the market for such a bull you should correspond with him immediately about this great sire. These bulls will be found in Doctor Nichols's herd near Herington. Doctor Nichols is a well known Holstein breeder and is at the present time president of the Kansas Holstein Friesian association. Write him at once for further information about these bulls. Look up his advertisement in the Farmers Mail and Breeze.—Advertisement.

Hayes's Holstein Sale.

Everett Hayes, Keats, Kan., has claimed October 19 as the date of his Holstein cattle sale. The sale will be held in Manhattan to better accommodate those from a distance. Forty-five head of cows and 2-year-old heifers will go in the sale, with a few calves included. All the cows and heifers are bred and have been tuberculin tested by the college. At the present time Mr. Hayes is selling \$250 worth of sweet cream every month from these cows and in May the cream check went to \$450. They are all bred to a bull out of a 24

MULE FOOT HOGS.

Buy Big Type Mulefoot Hogs from America's Champion Herd. Low cash prices. Big catalog is free. Geo. Dunlap, Williamsport, O.

DUROC-JERSEY HOGS.

IMMUNE DUROCS: Choice fall boars. Best of blood lines, one and animal guaranteed. E. L. Hirschler, Halstead, Kan.

100 Spring Duroc Pigs sired by four different boars, 10 fall gilts bred for fall farrow, also a few fall boars priced right while they last. R. T. and W. J. GARRETT, Steele City, Neb.

Trumbo's Duroc Boars

20 big, husky spring boars shipped on approval. Immuned by double treatment. Prices, \$15, \$20, \$25. WESLEY W. TRUMBO, PEABODY, KAN.

DUROC SPRING PIGS

ready to ship. 30 gilts, bred for September farrow, \$25 and \$30. Also a few tried sows, \$40 to \$50. Stock sold from this herd in 103 counties in Missouri, Kansas and Oklahoma. Write your wants to J. E. WELLER, FAUCETT MO.

REGISTERED DUROC-JERSEYS

Spring boars and gilts \$15.00 to \$20.00. All sired by a son of Col. Wonder and grandson of Illustrator. H. W. Douglass, Lamont, Kan.

BONNIE VIEW STOCK FARM

Duroc-Jerseys Bred gilts and spring pigs by a grandson of Beau Grand Champion Tet-A-Walla. SEARLE & COTTE, BERRYTON, KANSAS

Big Type Herd Boars

25 husky spring boars. Crimson Wonder, Illustrator, Good Enuff, Golden Model breeding. All immune. Prices right. Descriptions guaranteed. G. M. Shepherd, Lyons, Kan.

DUROCS—RED POLLS—PERCHERONS

Service boars and bred sows. Yearling bulls and young ton studs. Have shipped breeding stock to 25 states. Present offering the best I have raised. Prices always right. Geo. W. Schwab, Clay Center, Nebr.

The Home of Fancy Pal

Nothing for sale now. Herd header material in my Oct. 17 boar sale at Sabatha. Bred sow sale Feb. 7. F. J. MOSER, GOFFS, KANSAS

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, Superior, Crimson Wonder and Golden Model breeding. JOHN A. REED & SONS, Lyons, Kansas

Wooddell's Durocs

Cowley Wonder by Old Beauty's Model Top, Crimson King by Crimson Wonder IV, Graduate Col. 2nd by Old Graduate Col., heads this herd. Three as well bred boars as head any herd of Durocs. G. B. Wooddell, Winfield, Kan.

Duroc-Jerseys

Johnson Workman, Russell, Kansas

Jones Sells on Approval

The top boars from my 80 March pigs at private sale. Also Sows bred to J's Good E Nuff for Sept. farrow. Write for private catalog just out. W. W. JONES, CLAY CENTER, KAN.

BANCROFT'S DUROCS

Everything properly immuned. No public sales. For private sale, gilts open or bred to order for September farrow. Spring pigs either sex. Pairs or trios not related. Weaned May 1st. D. O. BANCROFT, OSBORNE, KANSAS Shipping Point, Downs, Kansas

TAYLOR'S WORLD-BEATER DUROCS

25 high class service boars and open gilts out of 700 pound mothers, sired by Prince Educator 2nd and Taylor's Orion. A few tried sows. Account dry weather these Durocs go cheap. Registered. JAMES L. TAYLOR, Olean, Miller Co., Missouri

HORSES.



THOMPSON'S PONY FARM

300 head in herd. All sizes, ages and colors for sale. Kind and gentle and priced reasonable. W. J. THOMPSON, DORCHESTER, NEBR.

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.

LIVESTOCK AUCTIONEERS.

Hugh B. Huls, Oak Hill, Kan. Sells livestock, big farm sales; Real Estate. Address as above.

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

FLOYD YOCUM LIVESTOCK and REAL ESTATE AUCTIONEER ST. JOHN, KAN.

Rule Bros., H. T. & R. D., Ottawa, Kan. Livestock sales a specialty. Write for dates.

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

CHESTER WHITE HOGS.

CHESTER WHITE HOGS Fashionable breeding. Prices reasonable. E. E. SMILEY, PERTE, KAN.

IMMUNED O.I.C. HOGS One good yearling boar and a few April boars. Also bred gilts. A. G. COOK, LURAY, KANSAS

O. I. C. FALL BOARS for sale. Also booking orders for spring pigs, both sexes. Everything immune. Registered free. F. C. GOOKIN, RUSSELL, KANSAS

Fehner's Herd of O. I. C. Swine

Anything shipped anywhere on approval. Write today for prices. Herd immune. Member of either O. I. C. or C. W. Ass'n. HENRY F. FEHNER, Higginsville, Mo.

FAMOUS BIG BONED O. I. C's.

Plenty of big, smooth spring pigs. Immunized. Strong in prize winning blood. Priced low for early sale. Write us today. Address S. D. & B. H. Frost, Kingston, Mo.

GREINER'S HEAVY BONED O. I. C's.

Choice bred gilts, boars and spring pigs, descendants of blue ribbon winners; champions and grand champions. All ages for sale at all times. Write circular, photograph and prices. F. J. GREINER, BILLINGS, MISSOURI

Kansas Herd of Chester White Or O. I. O. Swine

Pairs and trios not related. Shipped in light crates and satisfaction guaranteed. Pedigrees with each pig. Priced for quick sales. Arthur Mosse, Route 5, Leavenworth, Kan.

Durocs \$25



Registered Percheron and Belgian Stallions and Mares 20 heavy 3 and 4 yr. stallions, 65 rugged 2 yr. olds. Can spare 20 reg. mares. 20 reg. Belgian stallions. Priced worth the money and you can easily pick what you want from this big bunch. 40 coming 3 yr. stallions running out, priced cheap to sell before time to catch them up this fall. Above Kansas City. 47 trains daily. FRED CHANDLER RANCH, R. 7, Charlton, Iowa

Registered Shropshire Sheep!!

Your choice of 50 fine registered ram lambs from 6 to 8 months old. \$20. Second choice good, big fellows, \$17.50. Registered ewe lambs same age, \$15 each. All crated and delivered express prepaid to any express office in Kansas. Send draft for the number wanted. Can ship any time you want them.

LEE BROS. & COOK, Harveyville, Kansas

Norton County Breeders Association

SAMUEL TEAFORD, President CARL BEHRENT, Secretary
Norton County Fair, August 29, 30, 31, Sept. 1, 1916 H. A. JOHNSON, President FRED STRONWELL, Secretary

HEREFORDS—POLANDS Grover Mischief, a grandson of Beau Mischief heads herd. 85 spring pigs. A natural cattle and hog sale in February. C. F. BEHRENT, Oronoque, Kan.

POLAND CHINAS 12 top Sept. boars by Panama Giant, 24 reg. out of a big Orange dam. 100 Spring pigs. Annual boar and gilt sale Oct. 31 at Norton. J. F. FOLEY, Oronoque, Kansas.

Poland China Pigs March and April farrow for sale. Pairs and trios not related. Ship over R. I. or Mo. Pac. All immunized. Geo. W. Goodman, Lenora, Kan.

Poland Chinas 10 Sept. gilts by Luff's Orange. Will sell them open or breed them to your order. Boar and gilt sale Oct. 20. PETER LUFT, ALMENA, KANSAS.

SHORTHORNS 4 yearling bulls, by Pilot, by the 2700 pound Victorious King. Pioneer, a grandson of Avondale and Whitehall Sultan heads our herd. N. S. LEUSZLER & SON, Almena, Kansas.

Percherons—Shorthorns—Polands October gilts, bred or open, for sale. Burdett Bros., by Lord Bruce heads my Shorthorn herd. G. E. Poland, Almena, Kan.

Percherons—Shorthorns—Polands 18 Sept. and Oct. gilts, by Jumbo Prospect, by Luff's Orange for sale open or bred to your order. G. E. Whitney, Almena, Kansas.

Shorthorns—Poland Chinas For sale, a 30 head bull, Matchless Prince, got by His Highness. I am keeping his got. Write J. W. LIGGETT & SONS, Almena, Kan.

COL. W. M. PATTON, Livestock Auctioneer ALMENA, KANSAS Devoting my time to the business. Address as above.

COL. C. H. PAYTON, Purebred stock sales and big farm sales solicited. Write or phone. ALMENA, KANSAS Address as above.

L. J. Goodman, D. V. M. Lenora, Kan. Hog vaccination a specialty.

KANSAS STATE FAIR

By the State Board of Agriculture.

Hutchinson, Sept. 16-23, 1916

A great Exposition of the Resources of Kansas arranged for the educational benefit of the people.

The Natural Meeting Place of the Breeder and His Buyer

It is the annual opportunity afforded Kansas breeders to meet and get acquainted with Kansas people and the livestock men of other states of the great Southwest. Liberal prizes are offered in all livestock departments and good barns and pens are provided. Prizes are offered on Kansas bred or Kansas owned sheep only.

Twenty-three Great Standardbred and Thoroughbred Races

Races and heats will be interspersed by high class free attractions and vocal and instrumental music. Seats may be reserved in the grandstand.

Great Automobile Racing Wednesday and Saturday

These races will be conducted under the rules of the International Motor Contest Association with cars especially built and driven by the best dirt track drivers in the world.

Superb Free Attractions Every Afternoon and Evening

Entertainment is demanded and has come to be one of the great features. High class acrobat acts, comedians, grand opera singers, Florida troubadours, singers, and concert bands.

Horse Show Four Nights

Classes interspersed with free acts and vocal and instrumental music and each evening closes with grand fireworks.

Special trains and special equipment on all railroads. Unloading facilities right on the grounds. City water and electric lights.

The BIG Event of the Great Southwest. Something doing all the time.

All good roads lead to the Kansas State Fair. Send to the Secretary for information or Prize Catalogue.

H. S. Thompson, President A. L. Sponsler, Secretary

POLAND CHINA HOGS.

FAIRVIEW POLAND CHINAS

For Sale: Gilts and tried sows, bred for early fall litters. Also a few serviceable boars and a fine lot of early spring pigs. Write us. P. L. Ware & Son, Paola, Kan.

Original Big Spotted Polands

25 spring boars, cholera immune, for sale at \$15 to \$30. Need the room for summer and fall pigs. Address ALFRED CARLSON, Cleburne, Kan.

I Ship On Approval

50 choice Poland China pigs ready to ship—can furnish boars and gilts not related. A few serviceable boars and some fall gilts bred or open. The best of big type breeding. All at farmers prices. Ed. Sheehy, Hume, Missouri

The Great Big Ones

40 Poland China Feb. and March boars and gilts. Order early and save money. Write me. W. A. McIntosh, Courtland, Kansas

Regis. Spotted Poland Chinas

28 choice, well spotted March and April boars at attractive prices. Write at once. CARL F. SMITH, Cleburne, Kan.

Big Type Polands!

Herd headed by the 1020 pound Big Hadley Jr., grand champion at Hutchinson, 1915. Fall boars by Big Hadley Jr. and Young Orphan, by Orphan Big Gun that was 1st in Oklahoma Futurity, 1915. We are looking for orders for spring pigs out of our best herd and show sows. A. J. EHART & SONS, Ness City, Kan.

Private Sale

March boars by the half ton Hercules Ind. Open gilts same age and breeding; also two yearling boars that are very topky. The big kind and at fair prices. ANDREW KOSAR, Delphos, Kan.

HAMPSHIRE HOGS.

REGISTERED HAMPSHIRE 180 gilts and boars, all ages. Cholera immune. Satisfaction guaranteed. C. E. LOWRY, Oxford, Kan.

Shaw's Hampshires

50 registered Hampshires, nicely bred, all improved, service treatment. Special prices on spring pigs. Satisfaction guaranteed. WALTER SHAW, E. C. Wichita, Kan.

Valley View Hampshires

Everything properly insured. For private sale, 25 gilts and tried sows, bred for Sept. farrow. A few open gilts, a good yearling boar, 3 Oct. yrsg. boars and 100 spring pigs either sex. Pairs and trios not related. All stock reg. to purchaser. OLSON BROS., ASSARIA, KAN.

BERKSHIRE HOGS.

HAZLEWOOD'S BERKSHIRES Bred gilts all sold. Booking orders for spring pigs. Prices reasonable. W. O. HAZLEWOOD, Wichita, Kansas

SHORTHORN CATTLE.

PURE BRED DAIRY SHORTHORNS Double Marys (Fistoeck Strain) and Rose of Sharon families. A nice lot of young bulls for fall and winter trade. R. M. ANDERSON, BELOIT, KANSAS

POLLED DURHAM CATTLE.

Double Standard Polled Durhams Young bulls and females for sale. C. E. HOWARD, Hammond, Kansas

HEREFORD CATTLE.

Two Registered Hereford Bulls For sale. One 4 years old (wt. 1950) and one 2 years old. Also some good Friesian and other cattle. Mrs. E. Gideon, Emmett, Kansas

ABERDEEN ANGUS CATTLE.

Aberdeen Angus Cattle Headed by Louis of Viewpoint 4th. 1902M, half brother to the Champion cow of America. Johnson Workman, Russell, Kan.

GUERNSEY CATTLE.

GUERNSEY Pure Bred Bulls Bred up your herd. High class young individuals from Wisconsin, with Advanced Register ancestry at bargain prices. A rare opportunity to secure some of the best blood in the Guernsey breed. Tested for tuberculosis and guaranteed as breeders. Send for list. HELENDALE FARMS, 700 Cedar St., Milwaukee, Wis.

GUERNSEYS FOR SALE

Several choice males for sale. Overland Guernsey Farm C. F. Holmes, Owner Overland Park, Kansas 5 miles south o. K. C. on the "Strang Line"

pound dam. The offering of 45 cows and heifers that Mr. Hayes will make on the above date is one of great merit as producing cows. It is an opportunity to buy cows and heifers that have already shown what they can do. Mr. Hayes also breeds Spotted Poland Chinas and will sell in this sale 15 March and April boars and 10 gilts of the same age and breeding. Nothing better will be sold this season and it is very doubtful if anything as good will go in a sale this fall. They are simply great and any spotted Poland China breeder that needs an outstanding young boar ought to be at this sale. While they are in good flesh they also have the bone, good feet and legs, big broad backs and are exceptionally well spotted. The sale will be advertised in Farmers Mail and Breeze and further information about the sale will appear later. You can write Mr. Hayes, Keats, Kan., any time for further information about the Holsteins or Spotted Poland Chinas. Mr. Hayes will be remembered as the Shorthorn breeder at Hiawatha a few years ago that built for himself an enviable reputation as a breeder and exhibitor. He is a thoro going stock man and hasn't any time for anything but the best.—Advertisement.

Duroc Spring Boars.

W. R. Huston, owner of the Grandview Stock Farm near Americus, Kan., breeds Duroc-Jersey hogs. This fall he will offer 12 spring boars which he has selected as the best from his entire spring crop. The breeding and individual merit of both his herd boars are of the best and the dams of these young boars have been carefully selected and are right in every respect. The spring boars are extra good and he will be glad to describe and price them to you at any time.—Advertisement.

Nebraska and Iowa

BY JESSE R. JOHNSON.

Dave Boserger, one of Nebraska's foremost Duroc-Jersey breeders, has claimed February 3 as the date for his annual winter bred sow sale. Last winter Mr. Boserger attended the very best sales of Nebraska and Iowa and bought more high priced and richly bred sows than any other Nebraska breeder. These sows were bred to noted boars and the gilts from these sows along with those from the great sows already in the herd will make up this sale. Mr. Boserger has about 150 spring pigs including 40 mighty choice boars. Any reader of this paper who is in the market for an outstanding good young Holstein bull or choice Durocs should write Mr. Boserger at once.—Advertisement.

August Pony Prices.

Col. W. J. Thompson, proprietor of the Thompson pony farm at Dorchester, Neb., has just issued a circular in which he lists a big lot of fine ponies at special prices, providing they are sold during the month of August. Mr. Thompson starts on a circuit of state and county fairs about September 1 and he will be away from home for about 30 days. Right now the herd numbers 300 head and right after the fairs he will begin getting ready for his annual fall sale, to be held October 24. In view of the conditions mentioned he thinks it wise to put on a special private sale to last during the month of August. Anyone interested in Shetland ponies should write at once for this circular. Don't fail to see the exhibit at Nebraska State Fair. When writing please mention this paper.—Advertisement.

S. E. Kan. and Missouri

BY C. H. HAY.

Forest Rose of Hemple, Mo., is developing a great lot of pigs for his sale which will be held October 23. Mr. Rose plans on only the one sale this year and this will enable him to make an exceptionally good offering. He has at the head of the herd the splendid boar Forest King, a son of King of All and out of Jumbo Wonder 2d, and Smooth Bob, by Big Bob Wonder. Smooth Bob was bred by H. B. Walters of Effingham, Kan., and was considered by him as one of the best he ever bred. The entire offering is bred in the purple and will not disappoint the most critical. There will be litters by Forest King, Big Bob Wonder, Big Bone Model, Joe's Big Bone and others. Mr. Rose will open the big circuit of that section; don't fail to attend. Watch the Mail and Breeze for display ads.—Advertisement.

Great Lot of O. I. C. at Frost's.

Not long ago we had the pleasure of a short visit at the Frost home near Kingston, Mo. Here we were shown a number of pens of O. I. C. that were certainly beauties. The spring pigs are great husky fellows weighing around 150 pounds each, and carrying quality and finish of well fitted show stock. The Frosts are breeders of years of experience. We find that as far back as the early years of 1900, World's Fair grand champion stock was in service at this farm. Yet each year they seem to be breeding them better. Their hogs carry more bone, more quality, and seem to be better feeders. Messrs. Frost have a fine little illustrated catalog, showing pictures of a number of the herd and giving their breeding and show records. Everyone interested in this breed of hogs should have one of these catalogs. We feel sure that if you have one of these catalogs and study the breeding carefully you will want some of Messrs. Frost's hogs. These catalogs will be sent free to all who mention this paper.—Advertisement.

Publisher's News Notes

Readers who are interested in Duroc-Jerseys will find something to their interest by referring to the advertisement of J. L. Taylor of Olean, Mo. Mr. Taylor makes his statements strong but he has the goods to back up his statements. Note his ad in this issue and write him for full particulars.—Advertisement.

An American is a man who has no divided loyalty in his heart, no foreign banner in his hands, no hyphen in his head.

RED POLLED CATTLE.

FOSTER'S RED POLLED CATTLE Write for prices on breeding cattle. O. E. FOSTER, R. R. 4, Eldorado, Kansas.

Pleasant View Stock Farm Red Polled cattle. Choice young bulls and heifers. Prices reasonable. HALLOREN & CAMBRILL, Ottawa, Kansas

JERSEY CATTLE.

Registered Jersey Bull fawn color. Brighton Lad 8557, Champion Flying Fox 6144, Hood Farm breeding. Five mos. old. Write M. WARD, SENECA, KAN.

Linscott Jerseys

Kansas First Register Merit Herd. Est. 1875. If interested in getting the best in the Jersey breed write for descriptive list. R. J. Linscott, Holton, Kan.

Buy Your Herd Bulls From Us

We have big strong, robust fellows brimming over with type and beauty. We have cows that give 1200 to 1500 lbs. of milk per month. As high as 81 lbs. fat on official test. J. A. CAMP, WHITE CITY, KANSAS

HOLSTEIN CATTLE.

BRAEBURN HOLSTEINS A. R. O. bull calves. H. B. Cowles, Topeka, Kan.

BULL CALVES from cows with official butter and milk records. HIGGINBOTHAM BROS., ROSSVILLE, KAN.

Segrist & Stephenson, Holton, Kansas Prize winning registered Holsteins. Bulls from three months to yearlings for sale. Address as above.

CHOICE HOLSTEIN CALVES 20 heifers and 2 bulls 4 weeks old; nicely marked. \$20 each, creamed for shipment anywhere. GREENHORN FARM, WINTERTHUR, WIS.

Two Registered Holstein Bull Calves Some registered Hampshire boar pigs. Priced reasonably. GREENHORN FARM, Fredonia, Kan.

FOR SALE 5 head high grade and registered cows. Also four registered bulls. Cec's Dairy, Cottonwood Falls, Kansas

Reg. Holstein Bulls Two that are eight months old and one four months. Correspondence and inspection of herd invited. David Coleman & Sons, Deshazo, Jackson Co., Kansas

Iowana De Cola Walker Heads Herd besides having some fine record sisters on his sire's side; has an 812.25 lbs. of 804 butter record dam and his dam has two sisters with 815.2 lbs. and 804.2 lbs. made as senior three year and Tredico Farm, Route 3, Kingman, Kan

Montgomery County Holstein Friesian Association Young stock for sale. T. M. EWING, Sec., Independence, Kan.

HOLSTEIN Cows and Heifers I have for sale a nice collection of HOLSTEIN cows and heifers, a few registered bulls to go with them. All good big ones, nicely marked, and out of the best milking strains. If you want cows or heifers I can supply you, and that at the right kind of prices. J. C. ROBISON, TOWANDA, KANSAS

J. H. LEE, V. Pres. of Harveyville State Bank; E. W. LEE, at Farm; DR. J. W. COOK, Expert Judge of the Dairy Cow.

DRY WEATHER PRICES For 15 Days Only

On account of dry weather we must reduce our herd of Holsteins

You are invited to look over our herd of Holsteins before you buy. We have 200 high grade cows and heifers and a lot of registered bulls to go with them.

Three Cows and a Registered Bull \$325 50 cows in milk and 100 mature, high grade cows and 50 heifers to freshen before September 15. Come and see our cattle. Bring your dairy expert along. The quality of the cows and our prices will make it easy for us to trade. Come soon and get choice. Well marked heifer and bull calves, \$22.00 each, delivered to any express office in Kansas. Send bank draft, or post office money order.

LEE BROS. & COOK, HARVEYVILLE, KANSAS

TORREY'S HOLSTEINS Cows and heifers, young springing cows well marked and exceptionally fine; also springing and bred heifers and registered bulls. See this herd before you buy. Wire, phone or write. O. E. TORREY, Towanda, Kan.

Clyde Girod, At the Farm. F. W. Robison, Cashier Towanda State Bank.

Holstein Friesian Farm, Towanda, Kan.

Pure bred and high grade HOLSTEINS, all ages. Largest pure bred herd in the South-west headed by Oak De Kol Bessie Ormsby 156789, a show bull with royal breeding. Pure bred bulls, serviceable age, from A. R. O. dams and sires. A grand lot of pure bred heifers, some with official records. Choice, extra high grade cows and heifers, well marked, heavy springers, in calf to pure bred bulls, constantly on hand. High grade heifer calves 6 to 10 weeks old, \$25. Bargains. Send before purchasing. Wire, write or phone us.

GIROD & ROBISON, Towanda, Kansas

HOLSTEIN CATTLE.

Holstein Heifers to Freshen Soon One yearling bull, one eight months and one three. All registered. BEN SCHNEIDER, Nortonville, Kan.

Registered Holstein Bulls

One 9-months-old bull by Canary Butter Boy King and out of a 20 lb. dam. Others younger. Write for further information and prices. Dr. Schuyler Nichols, Herington, Kan.

HOLSTEIN CALVES

High grade Holstein calves either sex 3 to 4 weeks old from good milking strain of grade Holstein cows \$20 each. We pay the express. Burr Oak Farm, Whitewater, Wis.

200 Holstein Heifers, 200

For quick sale, 50 heifers, 1-year-old, \$45 each; 50 heifers, coming 2, bred, \$50 each; 50 heifers, 2-years-old, to calve in the fall and winter, \$50 each; two loads of 3-year-old heifers and young cows, all due this fall, \$75. A few high class cows and registered bulls. All federal inspected.

Henry C. Glissman, Sta. B, Omaha, Neb.

Pure Bred and Grade Holsteins

50 head from 3-year-olds to calves. This splendid bunch of heifers was bred in Kansas and consequently are acclimated and free from the diseases that are so common with eastern dairy cattle. They are sired by Willow Meadow King Pontiac whose 20 nearest dams have official records of 25 lbs. of butter and 525 lbs. of milk in 7 days, and 7 of the dams hold world's records. If you are in the market for this class of stock, don't write but come and look them over for they will surely please you. SIMPSON & BALLOU, DODGE CITY, KANSAS.

CANARY BUTTER BOY KING

Conceded the best Holstein Bull in Kansas. Two extra choice young bulls, sired by him and out of A. R. O. cows. Write for prices. MOTT & SEABORN, HERINGTON, KANSAS

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NEOSHO FALLS, KAN., AUGUST 24.

16-HEAD-16

Pure bred cows, heifers and bulls. These cows are large in size and large producers. A fine bunch. Guaranteed to be right in every respect. A great opportunity for you to get registered cows, heifers and bulls at your own price.

The offering will include my herd bull, Sir Segis Cornucopia 6th, No. 118648, calved March 6, 1913 and is mostly white; is gentle and a good breeder. Come and look them over. The sale will be held at farm 1-2 miles west of Neosho Falls, Kan.

Autos will meet all trains the morning of the sale. R. F. MOORE, NEOSHO FALLS, KANSAS

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