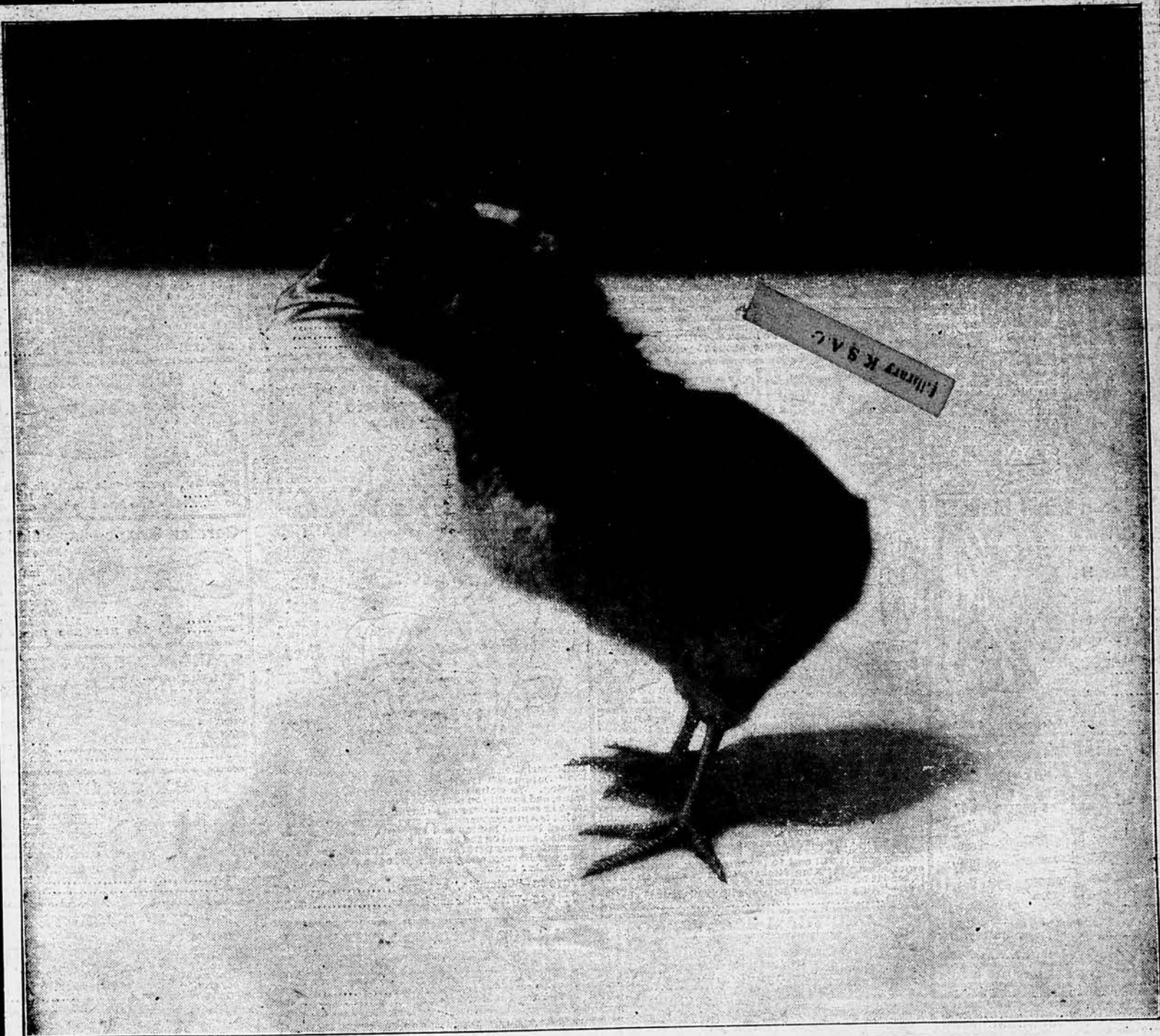


THE FARMERS MAIL AND BREEZE

Volume 42

April 6, 1912

Number 4



The Early Hatched Spring Chick Becomes Next Winter's Reliable Layer

THE third and last silo article of the series written by F. D. Coburn for Farmers Mail and Breeze, will appear next week. It will be a thorough exposition of what is known about silage feeding, written so that everyone may understand; and from the Kansas viewpoint it will be the most important discussion of that subject which has yet appeared in print, as Kansas has still to learn how to use silage to best advantage.

SUPPLEMENTAL POULTRY NUMBER



THE FARMERS MAIL AND BREEZE

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



Volume 42
Number 4

TOPEKA, KANSAS, APRIL 6, 1912.

Subscription
\$1.00 a Year

A KANSAS EQUIVALENT AND SUBSTITUTE FOR CORN

It should not be at all inappropriate to lead off a poultry number with an article on Kafir corn, which every year is shipped in carload lots to eastern poultry farms and is every year in greater demand for this purpose. Fed in litter—in a ration of from 1 to 2 parts Kafir, the remainder wheat, according to the weather and your variety of fowls—Kafir is an ideal poultry food. Add this fact to all the rest Secretary Coburn finds to commend in the crop and the further fact that according to Prof. Lippincott Kansas is predestined to lead all other states in poultry production—Isn't it a specially felicitous arrangement of Providence that Kansas can and does grow more Kafir than anybody?—Editor's Note.

KAFIR CORN has attained more prominence and more appreciation in Kansas in the past year perhaps, than at any other period in its history.

The climatic conditions were peculiarly adapted to demonstrating its merits, and the experience should tend toward planting Kafir as a considerable part of the regular crop on every Kansas farm, regardless of its location. It not only generally produced profitably, but yielded well in many portions of the state where Indian corn was a failure or but a short crop. It has its greatest value of course in regions where other corn is uncertain or out of the question, but even in the rain-belt it gives insurance against failure in other crops in seasons of delayed or limited rainfall.

As a dry-weather-resistant it is premier in Kansas. Its peculiarity of suspending growth for perhaps a month on account of dry weather that would injure other plants beyond recovery, and then when the rains come continuing to grow almost as if there had been no interruption, makes it of unusual importance in regions and seasons of scant moisture. When conditions are especially favorable yields will be extra heavy, and besides, it affords a wholesome change in the dietary of the livestock, which is as desirable in the menu of the bovine as in that of the human.

The more extensive cultivation of Kafir, and its next of kin, such as milo maize and the sweet sorghums, should be encouraged not only in Kansas but elsewhere. Where Indian corn cannot be grown reliably, Kafir is an excellent substitute, and pound for pound the values of the grains of the two in the feeding ration are, according to experience, not widely apart. Of course, where it is already a chief grain crop, its importance does not need to be urged, although more familiarity with its habits, characteristics and growth should be profitable.

Kansas is foremost in sorghum culture. From the state's agricultural beginning the plant has occupied a prominent place in its schedule of crops. These pioneer sorghums were mostly if not wholly of the saccharine varieties, and they are justly popular still. Kafir, a non saccharine, however, is now by far the most important, the 1911 acreage amounting to 26 per cent more than that of the saccharine kinds. Grain sorghums were only introduced in the United States 30-odd years ago, and only in the last 20 years have they become recognized crops. The introduction of Kafir in this country was brought about through the efforts of the United States department of agriculture at a cost said not to exceed \$5,000, and now the value of the crop in Kansas alone in 1911 was more than 14 million dollars.

The statistical birth-year of Kafir in Kansas was in 1893, when the canvass by the state board of agriculture discovered 46,911 acres of it; last year it aggregated 919,046 acres. Within the period referred

The Large Place Kafir Deservedly Occupies in Kansas Agriculture

By F. D. Coburn

Written Expressly For Farmers Mail and Breeze

to it has advanced to a high place among the most esteemed flesh, fat and milk-making foods. In nearly all the counties in Kansas showing the heaviest values in cattle, the larger areas of Kafir are found, strongly supplemented by alfalfa, and the same situation prevails as to values of animals slaughtered or sold for slaughter, and output of dairy products.

At the Kansas Agricultural college when a field of Indian corn yielded but 10 bushels per acre, the Kafir in an adjoining field gave upwards of 37 bushels of threshed grain per acre. On the college farm, which is upland, the average yield of grain per acre was of Kafir corn 46 bushels and of Indian corn 34.5 bushels. In one of these years (1894) the crop of both was a total failure. In one year the yield of Kafir was 98 bushels and of corn 74 bushels per acre. In a year when the

Kafir yielded 71 bushels the yield of Milo was 57 bushels. Some

greater. I should consider this very questionable. As one authority said of last season's alfalfa and Kafir: "There are many instances where the returns from Kafir brought the greatest income, taking land values into consideration, with probably the exception of the record alfalfa seed crops of the river 'bottoms.' Kafir is fast becoming a favorite in the upland districts."

Kafir is rather a weak germinator. Its first shoots are very delicate and tender, as the seeds are small and do not contain much stored food for plant growth; hence, it should not be planted until the soil is well warmed. Properly, and as a general rule, this should follow corn planting. Listing, but not so deep as for corn, is common in the regions of scant rainfall, which helps to resist dryness, enables better root-hold, requires less work, and the plants are more easily cultivated. The slow, weak growth of the plant at first, however, makes drilling desirable wherever practicable, as it needs all the warmth obtainable, and the drilled surface gives this to a greater degree than is had on the land left in ridges and hollows by the lister. Drilling in rows 30 to 36 inches apart, with seeds 4 to 8 inches apart in the row, requires from 10 to 12 pounds per acre. An ordinary grain drill is made suitable by stopping all the holes except those which will give rows the

proper distance apart and setting it to sow the desired quantity. Planting with the lister, as is done in the drier territory, does not require so much seed, 6 to 7 pounds being sufficient, in rows 3 to 3½ feet apart.

It should be carefully cultivated, but after the plants reach any considerable size the workings should be shallow in order not to disturb or injure the roots near the surface. Proper preparation of the seedbed, which implies fall plowing wherever expedient, and thorough cultivation, count for as much with this crop as with any other.

Kafir is not proof against chinch bugs and when very numerous they will kill it; but an ordinary attack, such as may seriously injure corn, does not greatly hurt the Kafir, although when it is very young and but a few inches high, the bugs may destroy it if they are numerous.

Harvesting for forage and grain is probably best done as the seeds reach or pass the hard dough stage. The corn binder thus far is most popular for this, as it leaves bundles in convenient size for handling, and these are put in shocks to cure. If seed is to be saved separately the heads are cut off and threshed with the common grain separator. If to be fed on the fodder an inexpensive method of harvesting is with the ordinary corn-cutting sled. In the drier sections it does not grow tall and often is cut with the ordinary grain header. A dwarf Kafir, recently produced, with all the other desirable qualities of the standard, besides maturing earlier, enables the use of the grain header in harvesting.

Where sown for hay the seeding should be at the rate of about a bushel and a half per acre. It is mowed when the heads are in the milk or early dough stage, and when cured is put in large cocks of 600 to 1,000 pounds, and quite generally it is left there until used. The grain of Kafir stored in bulk is liable to heat. To guard against this many leave the Kafir unthreshed until the grain is needed.

Kafir is a distinct acquisition to the farm, either in eastern or western Kansas, and it is a reliable resource where the rearing of livestock is a predominant interest and the production of Indian corn something of an uncertainty. The increased growing of Kafir in all the Central West should mean a prosperity not only larger but more dependable.

F. D. Coburn



FIELD OF KAFIR ON THE COLLEGE FARM

say milo requires a longer season than the Kafir, and in two years out of three on the Kansas college farm the crop of the former was cut off by frost, yet other authorities equally competent to speak make statements directly the opposite of this.

The climatic limits for Indian corn and Kafir are not materially different, although the latter requires a slightly warmer atmosphere for its best development. Kafir, however, permits much the widest latitude as to soils. Nourishing its roots as it does chiefly from the surface soil, and its rank-growing character make it better adapted than most other plants to uplands and soils of limited fertility. Some enthusiasts declare that Kafir will do for the thinner soils of the uplands what alfalfa has done for the deeper soils; that is, make their producing value

The Farmers Mail and Breeze

PUBLISHED WEEKLY AT
 Eighth and Jackson Streets, Topeka, Kansas.
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Entered as second-class matter Feb. 16, 1906, at the postoffice at Topeka, Kansas, under the act of Congress of Mar. 3, 1879.

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PASSING COMMENT
 by
T.A. McNeal

INCONSISTENT ARGUMENTS. There are a great many people who scoff at that estimable publication, the Congressional Record. Comparatively few people I presume peruse the whole of the Record each day. It may be that there are a few members of congress who do, but I doubt it. My impression is that most of them read their own speeches and possibly labor under the delusion that a vast number of other people are hungering for the chance to do the same thing.

However, it is true that a good deal of interesting matter gets into the Congressional Record. It will really pay you to while away a half hour or such a matter every day in scanning its pages. The speeches that are printed in it vary all the way from the rankest sort of empty flapping to really able arguments on public questions that interest the general public.

When you pick out a subject of general interest like the bill recently passed by the house putting sugar on the free list and imposing an income tax on incomes of more than \$5,000 per annum you will be struck with two or three things that probably you didn't think of before.

For example, you will start in with a preconceived notion that there is a well defined line of demarcation between the Democrats and Republicans on the subject of tariff duties, but by the time you read a few speeches you will have to look back at the index to discover whether the speaker is classed as a Republican or a Democrat.

When that gallant old soldier, General Winfield S. Hancock, side-stepped the tariff question by declaring that it was a local issue, a large part of the people greeted his declaration with loud and raucous laughter. Wise men said that it showed that Hancock might be and no doubt was a gallant soldier but he displayed a woeful ignorance of great public questions.

And that general laughter counted. When you can get an audience to laugh at a speaker he might just about as well leave the platform. It makes no difference whether he is really making a good argument or not, the laughter will do him up just the same. Hancock had a fine show to win that presidential race until he made that statement, but he never had a show afterward because the people laughed at him.

And yet events have demonstrated that the general was nearer right than he was given credit for being. If you read the speeches during the debates on the Wilson bill, the Dingley bill, the Payne bill and this sugar tariff bill you will be compelled to say, "Well, maybe Hancock was right after all."

Most of the Democratic congressmen who were ready to thunder in general terms against the tariff iniquities quit thundering as soon as the interests of the districts that they happened to represent were likely to be affected. They were entirely willing to have the tariff revised downward if the revision didn't hit them, but when it seemed likely to put

some industry in their several districts out of business right there and then they thought it was time to call a halt. There was no use of carrying the thing to an excess. Some of the most bitter speeches I have read in the Congressional Record against the free sugar bill have been made by Democrats who represent districts that are in the business of making sugar.

These speeches are really wonderful constructions. In that I wish to say they are no more wonderful than the speeches made against the bill by Republican congressmen. The fact is that they are all built along the same lines. They feel that it is necessary to prove two statements, one is that if the bill becomes a law it will destroy the business of making sugar in the United States and the other is that the people of the United States will not get their sugar any cheaper than they do now and probably will have to pay more for it. It would seem to take a good deal of nerve to try to sustain both of those propositions in the same speech, but a number of congressmen have undertaken the job.

If as a matter of fact taking the tariff duty off sugar will not lower the price of sugar, it can't hurt the manufacturers of domestic sugar. They will have just as good a market for their product as they have now and consequently all this worry and speech-making is wasted energy. If on the other hand, however, the price of sugar is reduced to such a figure that the best sugar manufacturers cannot make it at a profit, then the great mass of the people of the country will get the benefit of cheaper sugar and quite a good deal cheaper at that.

When the opponents of the free sugar bill tell the American people that free sugar will not cheapen the price they are saying what they do not themselves believe. If they really did believe that to be the fact they would not make any serious opposition to the bill.

All the early advocates of the protective theory, so far as I know, agreed that whenever we imported and consumed a great deal more of a given article than we produced at home, the importer necessarily controlled the market and added the amount of the tariff duty to the selling price of his goods and forced the American consumer to pay it.

Therefore the old time protectionist was generally opposed to placing a duty on articles of general consumption like sugar and tea which we did not produce in this country. He was in favor of placing tariff duties on such things as we could produce in this country in sufficient abundance to supply our needs, on the theory that while for a time the foreigner would be able to control our market and add the amount of the duty to the price of his goods, in the course of time there would be built up manufacturing institutions in this country that would be able to supply our needs and then the domestic competition would lower the price to the American consumer. When trusts were formed they tended to upset this theory for the reason that they eliminated competition to a large extent and fixed an arbitrary price.

We have been producing sugar in this country for a century and have never yet been able to produce more than a third of the sugar consumed by the people of the United States. Consequently the importer has dominated the market and the consumer has paid the tariff tax. Take off the duty on both raw and refined and the people will unquestionably get cheaper sugar.

LET US BE FAIR. This old world of ours would move along toward the millennium period a lot faster if people could only be fair with other people and fair with themselves. It is easier to peddle a lie than it is to investigate it and find out that it is a lie. People are loaded with misinformation and steeped with prejudice so that they are incapable of getting at the truth.

The average politician of any party does not try to get all the facts bearing on a question before the public. He tries to get before it the alleged facts that he believes are favorable to his side and tries to conceal such facts as he considers unfavorable. This has brought about the saying that you can prove anything by statistics and so you can if you are permitted to pick out your own statistics. The worst sort of a lie is the one that is bolstered up by statistics picked out for that purpose.

Now the fact is that only a few, comparatively speaking, have a personal selfish interest in government either city, county, state or national. What I mean by that is that only a few of them, comparatively speaking, can hope to derive any special personal advantage from the government.

In spite of all that has been said about the general hunger for office, a comparatively few people are office seekers. The average man is interested in having his local state and national government administered as efficiently, honestly and economically as possible and that is as far as his personal interest goes.

For people living under just about the same conditions the same kind of government is desirable. For example, it is preposterous to say that the kind of government that is good for one Kansas farmer is bad for his neighbor farmer. They are both living under practically the same conditions. What is good for one is good for the other, and yet year after year they oppose each other politically, each one refusing to read any literature except such as seems to sustain his preconceived opinions and prejudices. Each often plays into the hands of politicians who

have only selfish objects to forward and who do not want their supporters to get any more facts than will help the politician's selfish purpose.

Right here is what seems to give color to the claim of the opponents of popular government, such as direct primaries, and initiative and referendum, that the people are not fitted to rule themselves. People are fit to rule in so far as they are capable of independent and fair thinking, and it must be acknowledged that the average man is apparently reluctant about taking the trouble to think for himself. It is so much easier to let somebody else do his thinking for him; easier to get his politics and religion second handed and without original investigation.

It is considerable trouble to hunt up facts and weigh them impartially. The facts are not right at hand, and the average man is too busy, or thinks he is, to take the time to hunt for them. So he follows the lead of somebody else. He adopts the thoughts and figures and alleged facts that some other man or men proclaim. He often gets both his politics and religion by inheritance and objects to any person trying to change his mind.

As long as the majority of men permit other men to do their thinking for them popular government will not be as great a success as it should be. Indeed, so long as the many permit the few to do their thinking it is not government by the majority; it is government after all by the minority and it is rather immaterial through what means that minority operates.

I do not for a moment believe that the adoption of the initiative and referendum will bring about a political millennium. Whether it will help matters at all or not will depend on whether the people take the trouble to think for themselves, to think fairly and independently.

If they are asked to pass on more than they can have the time or opportunity to investigate they are mighty liable to turn the job of thinking over to a few leaders and vote as those leaders say. That will not help matters much. It will simply add to the burdens of government, for if a few leaders are to be permitted to do nearly all the thinking and nearly all the managing it is perhaps just as well to let them do it in the simplest and most direct manner. The hope of the initiative and referendum is that the people will gradually be educated to think for themselves and to feel that each one of them is in part responsible for the sort of government we have as a whole.

CONCERNING SEED CORN. Diverging for a moment from matters of government to a matter that without doubt is just now of more immediate importance to the farmers who read the Farmers Mail and Breeze than the question of who will be the next president of the United States, I want to say a word concerning seed corn.

The word has gone out that a good deal of corn this year is weak in germinating power. A considerable of it, according to tests, will not germinate at all. If this is true it becomes a matter of great importance to the farmer.

Having been raised on a farm I remember how discouraging it was to plant corn and have it refuse to come up. A second planting was generally unsatisfactory. If the farmer finally got a fair stand it was uneven. Some would ripen two or three weeks before the rest and as a result when the corn was cut some of it was too ripe to make good feed and some of the corn that was late in getting started was not properly matured.

This plan used to be followed by a good many farmers in those days and it seems to me it would be a good plan now and easily tried: A box was filled with soil, such as the soil of the fields that we expected to plant in corn. The ears were as carefully selected as we knew how and then a few grains from each ear planted in the box of prepared earth. If the grains germinated and put up a vigorous shoot we knew that the ear was strong, fertile corn and would grow out in the field.

This involves some time and labor, but it beats planting a whole field of corn and then having to replant it. You do not need to send your seed corn to an expert to have it tested. You can test it in this simple, practical way and without much expense. I would fill the large box with dirt, mark it into small spaces and plant in each space say three grains from a selected ear of corn, numbering the ear and marking the space in some way so that you will know from what ear the grains were taken that were planted in that space.

Keep the box in some place where it is warm enough to germinate and then watch the result. If the grains from an ear do not germinate, or if the shoots show up weak, it is evident that it is not wise to plant corn from that ear. If the grains germinate quickly and send up vigorous shoots it is pretty safe to plant the rest of the corn from that ear. Good seed is a mighty important thing to consider if you are going to try to raise corn.

THE FAULT IN MANAGEMENT It's a gruesome record that the Nebraska penitentiary has been making. Several officers killed. A number of convicts killed. A young farmer who was in no way connected with the original trouble and entirely innocent of any wrong, loses his life.

I do not know many of the facts, almost none of them indeed, concerning the management of the state

prison at Lincoln, but that the whole tragedy has been the result of bad management, to say the very least, I have not the slightest doubt. The man who goes to the head of a prison with the idea in his mind that the prison is simply a place to punish men for infractions of the law will just as certainly fail as that the sun will shine at noon when there are no clouds.

I do not know whether there was any graft in the management of the Nebraska pen or not, but the management was evidently a failure. Not every good and merciful man will make a good warden of a penitentiary and certainly the man who entertains the opinion that a penitentiary is simply a place of punishment will not.

Good warden timber is tolerably scarce. A good warden needs first to be a strictly honest and merciful man. He needs second, to be a man who understands human nature far better than the average man understands it. He needs, in the third place, to be as firm as he is just and kind. A man who is simply weak and sentimental will no more succeed as a warden than the man who has physical courage but who is possessed with the brutal notion that the penitentiary is simply a place of punishment, an earthly hell for the men who are unlucky enough to get caught.

The average inmate of the penitentiary is guilty as charged. A few innocent men are charged with the commission of crime and convicted by juries, but they are the exception. The law gives the advantage to the man who is accused of crime. He is not compelled to prove his innocence, that is presumed. The state must prove him guilty.

Furthermore, the average jury is rather inclined to be merciful, not always, but generally. The average jurymen is inclined to give the defendant the benefit of the doubt. So I say that in my opinion, there are not very many innocent men sent to the penitentiary, but it does not follow by any means that the men are wholly bad.

Experience of wardens with advanced and humane ideas concerning treatment of prisoners has proved that there is considerable good in most of the convicts. The new idea in prison management is to find the good and cultivate it, to build up the weak moral nature of the prisoner so that when he has served his time and gone out into the world again he may be able to resist temptation.

Of course the plan does not always succeed. A few men deliberately choose to lead a life of crime. If one of these deliberate criminals is caught and convicted he takes his punishment as philosophically as he can, gets out of it as easily as he can and figures on how he can manage to keep from being caught again.

There is not much hope for that kind of a man. There are a number of men who are simply morally weak. Their impulses are not particularly bad, but they yield easily to temptation. This condition may be the fault of early raising and environment. There is the possibility that their moral nature may be built up, by kindness and firmness. Brutal treatment however, will make such cases hopeless.

Then there are a large number of prisoners who are not really bad men. They have slipped as almost any man is liable to do, committed some crime that sends them to the penitentiary. The right sort of management will send those men out of the pen better than when they came in.

The warden who is able to judge the character of each prisoner and to know how to manage him is a rarity. I believe that Warden Coddington comes nearer being that sort of a man than any other man I have ever seen at the head of a prison and I think he is getting better results.

I never heard of the warden who was killed by the escaping convicts at Lincoln until the news came that he had been murdered, but I have no doubt that he was not built right for a penitentiary warden. The chaplain who resigned a few weeks ago says that the warden believed that a prison was a place of punishment, not a place of reformation. That kind of a warden is bound to fail. His mistaken idea may not result in his death as it did in the case of Warden Delahunty, but it is certain to result in a badly managed prison.

The prison guards get their cue from the men above them. Brutality becomes the rule; makes the prison a hell so that when the prisoners get out they will be careful not to do anything that will bring them back again.

Of course, the system fails. Brutal treatment never yet has deterred men from committing crime. It has however, crushed out what good there was in them, kindled all the fires of hate and desire for vengeance in their breasts and made them the most dangerous of brutes in the world.

Society, they reason, has done its worst to them, therefore they will do their best to get even with society. Compared with a human being in that frame of mind the worst man-eating tiger becomes as harmless as the tamest house cat.

WANTS POLITICAL INFORMATION.

A reader wants to know who will be nominated by the Republican convention at Chicago and who by the Democratic convention at Baltimore. Also what figure the Socialist party will put in the next campaign.

I make no claim to being a political oracle. I can make my guess, which is perhaps just about as valuable as the guess of the reader and no more so. My guess is that Taft will be re-nominated at

Chicago. I think at the showdown he will have two thirds of the delegates.

I am not ready to give a final guess concerning the nominee at Baltimore. It is reported that Mr. Bryan has declared himself for Champ Clark. If he is really in dead earnest about this and is heart and soul for Champ then I think Champ will be nominated at Baltimore. In that event my next guess is that Champ Clark will be the next president of the United States.

I would not advise the reader to get greatly excited over the outcome or read any of his undergarments in his effort to help elect either one. My private judgment is that it will not make the difference of a whoop in an empty rain barrel to him whether Taft or Clark is the next president of the United States.

The above is not very good party talk but it is what I believe.

So far as the Socialist party is concerned the fates seem to be working in its favor. I look for it to cast more than a million votes at the next presidential election and shall not be surprised to see it cast a million and a half. Socialist leaders are figuring on electing 20 members to the next congress although I have not seen the list of districts in which they hope to win.

That the Socialist vote is going to make old time politicians sit up and take notice I have not a shadow of a doubt. Furthermore, it will not be a serious calamity if they do elect 20 members to the next congress, provided they have as much sense as the Socialist member of the present congress, Victor Berger.

A CAPITALISTIC VS. CO-OPERATIVE CORPORATION.

The following article has been prepared by James Butler of this city. Mr. Butler has given a good deal of study to the subject of co-operative organizations and I think his article will be of interest to a good many readers of the Mail and Breeze:

A capitalistic corporation pays dividends only on the shares of stock of the corporation. In other words, it divides the net earnings pro rata on the shares of stock and the investors get all the profit resulting from the business.

A co-operative corporation limits the dividends paid on its capital stock to the current rate of interest paid in the community where its business is transacted. It then prorates the remaining net earnings of the company in proportion to the business furnished the company by each stockholder. To be more explicit, on sales made to and purchases made from the company, or on other service rendered the company by a member.

To further illustrate the co-operative method, I will state that the business of the Rochedale Co-operative association of England last year amounted to over 565 million dollars, and after paying interest on the capital invested, they had a net surplus of more than 55 million dollars, which was distributed among the members in proportion to the amount of business furnished the company by each member; or, in other words, according to the purchases made from the company.

Under the capitalistic system that enormous sum would have gone to capital. Under the co-operative system that paid capital, the current rates of interest and then distributed the 55 million dollars among 2,701,000 members. Had the business been conducted by Morgan or Rockefeller under the capitalistic method, these men not only would have gotten interest on the capital invested, but they would also have bagged the 55 million dollars.

According to our information, the first co-operative effort was launched in Ayrshire, Scotland, in 1769 by a few weavers, 14 in number, with a total capital of \$21, who associated themselves for the purpose of buying necessities of life as cheaply as possible. The principle upon which these associations were formed divided the profits according to the investment in the business, the same as the capitalistic corporations are doing today. The movement grew steadily and spread to a large number of towns in Great Britain.

The method of dividing profits according to investment prevailed in these associations for a period of 75 years, or until 1844, when the Rochedale system of co-operation was evolved. The Rochedale system renders more efficient service, is more ethical in its relation to its members, and has, therefore, superseded the old system in practically all the co-operative business organizations of today.

The Rochedale method divides its profits according to the amount of business that each member brings to the association, and a stockholder has but one vote, regardless of the stock he owns or the capital he has invested in the company. While the Rochedale system is well adapted to the old country, as a purchasing society it needs to be improved to meet the practical requirements of a selling and purchasing organization adapted to this country, where greater capital is required.

By limiting the shares of stock that a member can hold and also limiting the dividend paid on stock to the current rates of interest, it then divides the remaining surplus among the members in proportion to business furnished by each. I can see no objection to such stock voting, and I am certain that it will be easier to raise the required capital on that basis. I speak from years of actual experience.

MAYBE THIS EXPLAINS WHY THEY DESERT.

Someone sends me a copy of the Honolulu Advertiser of March 14, containing what purports to be a record of punishments dealt out to soldiers at one of the army posts there:

- Private John D. Kavanaugh, Second Infantry band—Annoying inmates of Kaulani Home for Girls. One month's hard labor and loss of pay.
- Recruit John W. Giberge, First Field artillery—Stealing 75 cents' worth of jam. Dishonorable discharge and one year's hard labor, commuted to three months and \$10 per month loss of pay.
- Recruit Clyde S. Gerrard—Same charge and same sentence as above, but sentence commuted to dishonorable discharge.
- Zachary Fouts, alias Martin Fouts, alias Private

- Robert C. Crouch, Second Infantry—Fraudulent enlistment. Dishonorable discharge and eight months' hard labor. Letter remitted.
- Private Samuel A. Cohn, Fifth cavalry—Stole \$35.05 belonging to Private A. C. Pagel. Six months' hard labor and \$10 per month.
- Private Gale Chroninger, First Field artillery—Stole shirt from Private Joe Weiss. Two months' hard labor and \$10 per month.
- Private Harold G. Prosser, Fifth cavalry—Absent half hour from duty without leave. Dishonorable discharge and three months' hard labor.

It will be observed as you look over this interesting record, that the private who stole 75 cents worth of jam received twice as much punishment as the one who stole \$35.05 from another private. Just why this distinction I do not know. It is probable, however, that the jam was purloined from the store of some officer. While the privates are pretty well fed I do not think that jam is on their bill of fare as a general thing.

But what right minded person believes that stealing 75 cents' worth of jam is an offense that calls for a year at hard labor, a dishonorable discharge and a fine of \$120? Or who is there who will say that justice demanded or that the maintenance of reasonable discipline demanded that a private who was absent from duty half an hour in a time of profound peace should be punished by a dishonorable discharge and three months at hard labor?

WHY CAN'T THEY GET TOGETHER?

Editor Mail and Breeze—I have been reading everything I can get along the lines of the so-called "progressive" movements that are stirring the country. You are aware, no doubt, that this is a time of dissatisfaction as to the system under which our government is being run. The common people feel that they are not getting value received for the part they are performing.

Theodore Roosevelt stands for the highest principles that a man can stand for. If he could be nominated and elected president of the United States, and would exert his every effort to put into effect the principles he is advocating, this country would enjoy the greatest prosperity that was ever known. But the present state of affairs seems to indicate that the "party machine" will defeat Roosevelt in the coming Republican convention.

Why can't Theodore Roosevelt and William Jennings Bryan get together and form an industrial party founded on the principles of progressiveness? Bryan is the idol of the Democrat party and Roosevelt is, without doubt, the most popular and the most progressive man in the world today. If they would unite their efforts and fight for this cause they could revolutionize this government.

I honestly believe that this is the best solution on earth that will repel the political uprising of dissatisfaction that exists among the people today. Covington, Okla. H. W. WATSON.

Perhaps one of the greatest difficulties that would arise in the way of the arrangement proposed by Mr. Watson would be the unwillingness of either Mr. Roosevelt or Mr. Bryan to play second fiddle to the other. Both of them would probably insist on leading the procession. Such a combination therefore, seems to me at this time utterly improbable.

Let's Have Less Technicality and More Justice

On every hand we hear the charge that the American people have lost respect for law, and the charge is too well-founded.

But our disrespect is not due to an inherent spirit of lawlessness. As a whole we are a justice loving people. Fundamentally we believe in the square deal. But unfortunately, we too often discover that justice and law—especially the administration of law—are two entirely different things. We not only have on our statute books too many laws—ambiguous in terms and conflicting in purpose—but the impression has gained a firm hold in the public mind, that many of these laws are purposely made ambiguous with malice aforethought.

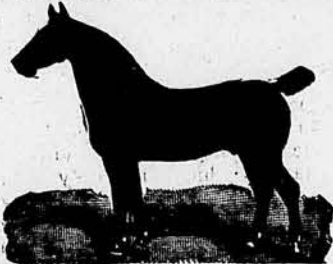
We have too many laws, tinkered and patched by journeymen jobbers who go to our legislative halls with a direct commission to "tack on a joker" or carve out a loophole or draw the fangs from the laws the people demand.

Nor is that all. The average citizen who sees a decision of a court reversed because of the omission of the word "the" or a failure to dot an "i," no longer feels secure under the most plain and simple laws. He is beginning to think that his rights are dependent, not upon the justice of his cause so much as upon his ability to hire a shrewd lawyer and to provide funds for an unending fight. He sees the rich man escape justice and the poor man suffer injustice—all in the name of the law and with the sanction of the courts which plead precedent and technicalities as their excuse. Small wonder, then, that he loses respect for both law and court.

President Taft has declared "the administration of justice in this country is a disgrace to our civilization." That being admittedly the case, surely it is high time to DO SOMETHING. The right-thinking man cannot respect an unjust law or a court that administers injustice. Disrespect of law is the spawn of anarchy. If we are to escape that, as God grant we may, we must have, and soon, a legislative system that responds faithfully and true, to the will of the people, and a judicial system that cannot thwart that will. If I am elected governor, I shall do my best to secure justice for all the people, rich and poor alike.

Arthur Capper

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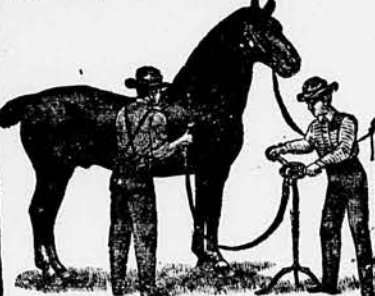
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JAYHAWKER FARM DOIN'S



BY H. C. HATCH, GRIDLEY, KANSAS.

We like to get the experiences, views and opinions of "our folks" on any farm or livestock subject particularly if reasonable and likely to help some of us who may need the information. Your letters are always welcome. Subscriptions to Farmers Mail and Breeze or other good publications for best letters received. Address Editor Farmers Mail and Breeze, Topeka, Kan.

The next man who speaks of a million-dollar snow is likely to fare hard if the remark is made in this part of the state. There is such a thing as going too far in provoking people.

Never, in the 16 years we have lived in Kansas have we seen the snow come down as it did on the afternoon of March 23. It was exactly like the snows which used to visit us back in Vermont before sugar time came on. The snow was very deep and drifted considerably. Oat sowing seemed as far away as it did last fall.

A hard winter makes an early spring, so they say. Well, this is one of the exceptions that prove the rule, we suppose. We do not think it will delay the grass, however, for the ground is not frozen and grass should come quickly as soon as warm weather comes. Can winter last all through April? It doesn't seem possible but at the same time we are not predicting anything.

The cattle yards on most farms are in bad condition. The snow became covered with feed and manure and did not thaw out until the last few days and now these freezing mornings form a crust on top, which makes it very hard for stock to get about. We opened the gate to our yard and let the stock out into a lane where the ground was dry and solid.

Within the week hay has reached the highest price in the Kansas City market we ever remember of seeing. Good prairie hay brings as much per ton there as good timothy does back in Vermont. This is something we never expected to see. It has worked to the advantage of this part of the state for here there has been a great deal of hay to sell. It is out of the question to think of feeding \$14 prairie hay to cattle.

A reader from Amorita, Okla., asks what we consider the best time to cut cowpeas for hay. If we could choose our time we should cut them when about one-third of the pods have turned yellow. Later cutting means tougher hay but sometimes the weather is such that we cannot cut just when we wish. A good time to cut any hay that takes long to cure is when a storm period has just passed. Generally there will be at least three days of good weather after such a time.

Speaking again of the weather reminds us that we have all winter depended on the long distance weather forecasts put out by the government in the Monday morning papers. We have watched closely and when a storm was on the way have rustled up feed to last until the storm should be over. By so doing, we have not had to haul feed a single stormy day this winter. We consider that in this one respect we have had value received for our part of the cost of the weather service for two years.

The Fredonia Linseed Oil company, tells us that its experience with Dakota grown flaxseed has been just the opposite of that of the farmers in this section. So far from not having good results, they say the farmers near them prefer Dakota grown seed to Kansas grown and that there are a number of old flax growers there who will not sow Kansas seed at all if Dakota seed can be obtained. They think there must have been something wrong with the seed that was used here for they have never known Dakota seed to give such results before.

It may be that the seed which was shipped here from Dakota was badly infected with the disease that produces wilt. In every instance in which we knew of this seed being sown, it came up and made a good growth for a time and then practically all died before it blossomed. Wilt is the great drawback

to growing flax anywhere and seems to be the only thing that does attack it. If the Dakota seed is all right we would like farmers to know it but the experience of those who sowed it here was such that you could not get them to sow it again. However, it is likely that the Linseed company is right about this for it should be an authority on flax.

Unlike many other crops the acreage put to flax is decreasing each year. Last year gave flax a "black eye" in this section, for the yield was no more than 2 bushels per acre and the quality was not good. The year before, however, flax made a good yield and brought very high prices owing to the failure in Dakota. It is thought here that it is not safe to follow flax with flax oftener than once every six or seven years and for that reason the acreage is not large. The average yield here is from 7 to 9 bushels per acre which at the old price of \$1 per bushel does not pay.

The Fredonia people think that for several years flax will be high and do not expect to see it much below \$2 per bushel, for the next two years at least. If \$2 per bushel can be had, there is fair money in growing flax for it is a pretty certain crop in this region and is not affected by chinch bugs or rust. It is generally thought to be hard on land but we are not so certain of that as we once were. We think it bad in its effect on the soil for the reason that the entire grain crop is sold and leaves the farm. If corn were always sold off in this manner we would soon be hearing complaints that corn was very hard on the ground. Flax is a quick crop and if the price remains around \$2 per bushel it will be a fairly paying one.

One of our neighbors some time ago emptied his silo and refilled it with Kafir corn butts which had stood in the field all winter. In putting these in the silo he used lots of water and found, contrary to what most persons would think, that they made good feed. He began feeding at once but discovered that the stock did not like the first feeding nearly as well as they did that used later after it had become pretty well cooked. He mixes ground Kafir and a little cottonseed meal with this silage and is well pleased with the results. The cooking that even dry feed gets in the silo seems to improve it wonderfully and stock clean it all up.

One of our merchants has taken in the first incubator eggs of the season. One of his customers who had bought some eggs came in shortly after bringing some of them back. He said that he was used to handling incubators, and was sure from the looks of the eggs that they had been in a machine for some time. The eggs were broken and found to be rotten and then the merchant looked at the rest he had taken in that day and found 24 more. We have an idea that anyone who would test eggs out of an incubator and then sell them would do most anything if it were not for fear of the law. They would be like certain Mexicans of whom it was said that it would be safe to trust them with \$100 but not safe to trust them with \$1. They feared to steal the larger amount but thought it safe to get away with the smaller. The person who would sell incubator eggs would steal a horse if he dared.

OUR SPECIAL OFFER.

To new subscribers: The Farmers Mail and Breeze until July 1, 1912, for 10 cents. Call over to your neighbor or hail him as he passes on the road, if he is not a subscriber to The Mail and Breeze, and tell him about this special offer. Earn your own subscription. If you send us 10 of these trial orders and the \$1.00 collected we will extend your time 1 year.



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Muskogee's Big Hatchery

An Incubator That Takes 30,000 Eggs at a Time

Big business and the poultry industry have finally got together at Muskogee, Okla., where a Kansas man operating the largest incubator in the world is nearly swamped with orders. Seventy per cent of all fertile eggs become baby chicks in the Hastings public hatchery. The enterprise has an interesting history.—Editor's Note.

The shipping of day-old chicks from large poultry farms is a business of several years' standing. More recently hatcheries have been operating in several localities which both sell chicks and hatch eggs brought in by other poultrymen. The business is growing rapidly and present indications are that sending

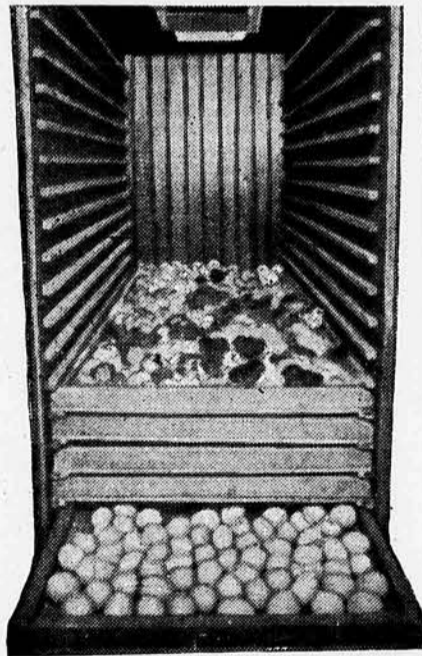


First Chick Hatched in the World's Largest Incubator at Muskogee.

eggs away to be hatched will soon be as much a matter of course as sending hogs to a packing house.

The Central West has been a little backward in this movement, but there is now in operation at Muskogee, Okla., a hatching plant which seems likely to revolutionize the public hatching business, if not the entire poultry industry.

All other hatcheries in the country today are either collections of the ordinary lamp-heated incubators, or are equipped with the "mammoth" machines composed of a series of single-tray hatching chambers built beneath a bank of hot water pipes. The Muskogee plant is along en-



One of the 5,000 Egg Compartments Showing the Hatching-Trays which are kept filled.

tirely new lines. It is not a building full of incubators, but an incubator that is itself a building.

A few scattering efforts along the line of large-room hatcheries have been made in this country from time to time by men who lacked the technical knowledge to overcome the difficulties encountered. Milo Hastings, a graduate of the Kansas Agricultural college and who had charge of the poultry work there from 1902 to 1906, began working on the problem in 1905, and has since followed up the idea while in service of the U. S. department of agriculture, and during a

residence of several years in the poultry-farming districts around New York City.

His perseverance, together with a scientific education, have won success where others have failed. Mr. Hastings built and operated last year in a suburb of Brooklyn, the first successful room-size incubator ever built in this country. The demonstration proving satisfactory, the inventor came west with a view of locating a large hatchery in the Kansas-Oklahoma gas belt, where the advantage of cheap gas for brooding added to cheap grain and favorable climate indicated to his mind the future location of the greatest egg-farming district in the world. Muskogee, Okla., was selected and the first Hastings hatchery to be opened for public business is now in operation at that point. The present capacity is 30,000 eggs, with arrangements for doubling it on short notice. The hatchery is locally known as the "million-egg incubator" and to those who have seen the plant and grasped the revolutionary economies involved, the name is in no sense ridiculous, for Mr. Hastings can hatch a million eggs in a building no larger than a good sized church.

The striking feature of the Hastings hatchery is the use of a mechanical draft created by electric fans. This feature, which is covered by basic patents, makes practical the placing of many trays of eggs one above the other. By blowing the air down through the 20 layers, the tendency of the heated air to rise is overcome and there is less difference in tem-

perature throughout the 5,000-egg compartments than is ordinarily found in the tray of a small incubator.

This same principle of mechanical draft makes ventilation absolutely uniform and both ventilation and moisture within the control of the operator, and not dependent on weather conditions as in small incubators. The hatchery is heated by natural gas, which is reduced to a very low pressure and controlled by three independent heat-regulating devices, each safeguarding the other.

Mr. Hastings believes the superior results under such a system should centralize hatching just as the creamery has centralized butter-making. The public hatchery will increase the profits of poultry-keeping by eliminating the expense of individual hatching plants and doing away with the endless duplication of labor in caring for hens and small incubators. One expert will do the work of a score of amateurs, do it better and cheaper and save the world waste, create wealth for the hatchery, for the hatchery patrons and for the consuming public.

There are two classes of users who can be depended upon to patronize the public hatchery. The general farmers will use it to increase their present chicken-raising operations. A hen can set successfully on 15 eggs. Of these 10 chicks is a fair hatch. But a hen can successfully brood 30, and in mild weather 40 chicks. So the number of chicks the farmer rears is limited by the number his hens hatch. His brooding capacity is at least three times as great without resorting to the use of brooders and but little extra trouble. This surplus brooding capacity has long been recognized as a money-making opportunity and is chiefly responsible for the sale of small incubators to the farmer. Farmers will at first argue that it costs them little or nothing to hatch chicks, as the labor is that of women and children which has no cash value—but if hatchery chicks are purchased it is argued that this same under-valued time can be devoted to the

care of the extra chicks with more profit.

A second group will utilize the hatchery with the aid of brooders. Such users may live in town or on the farm and work on any scale from one brooder up. A central hatchery in a well selected region can hardly fail to result in the development of specialized poultry farms of large outputs, but no one need risk his capital beginning large, for (especially, if co-operative marketing be developed) the little man will always have a fair show with the big producer.

The present express service and rates on day-old chicks is fairly satisfactory and when the parcel post arrives both rates and service will undoubtedly be greatly improved. The establishment of local receiving agents with temporary brooding equipment to hold chicks until the patron calls may be an erstwhile aid. All these things will come as a matter of course. The first requisite is that we have a method of hatching economically enough so that, whether the farmer sells his eggs and buys back the chicks or sends his eggs to the hatchery as a "custom hatch," the total expense will be less than the cost of hatching at home.

If Mr. Hastings's calculations are correct, we shall not have long to await the time when the baby-chick box will be as common as the cream can.

Aid For Injured Rural Carriers.

Postmaster General Hitchcock has asked for the extension to rural carriers and other postal employes, who may be injured in the line of duty, of the same privileges and compensation as are now provided by law for injured postal clerks. While this recommendation was made in the last annual report of the postmaster general, Mr. Hitchcock has been moved to make this special appeal by reason of a most pathetic case in Ohio in which a rural carrier was drowned while in the performance of his duties.

The breed is of importance but it is the individual cow that really counts.

Why Should a Chicken

Lay a Soft-Shelled Egg?

Because, Willie, the chicken don't know how to create a hard shelled egg unless it has some food with lime in it.

So chicken-raisers often provide limestone gravel, broken oyster shells or some other form of lime.

Let the chicken wander free and it finds its own food and behaves sensibly.

Shut it up and feed stuff lacking lime and the eggs are soft-shelled.

Let's step from chickens to human beings.

Why is a child "backward" and why does a man or woman have nervous prostration or brain-fag? There may be a variety of reasons but one thing is certain.

If the food is deficient in Phosphate of Potash the gray matter in the nerve centres and brain cannot be rebuilt each day to make good the cells broken down by the activities of yesterday.

Phosphate of Potash is the most important element Nature demands to unite albumen and water to make gray matter.

Grape-Nuts food is heavy in Phosphate of Potash in a digestible form.

A chicken can't always select its own food, but a thoughtful man can select suitable food for his children, wife and himself.

"There's a Reason" for

Grape = Nuts

Postum Cereal Company, Limited, Battle Creek, Michigan

"Loss Off" or "Case Count"?

Which System Benefits the Farmer Most?

BY W. A. LIPPINCOTT, KANSAS AGRICULTURAL COLLEGE.

The benefits of the "loss off" method will eventually, and before long, reach the producer. In the egg business good goods and honesty are as much the best policy as in any other. Prof. Lippincott cites a striking illustration of this fact when he notes that last summer Kansas eggs sold for a higher price in Detroit than Michigan eggs.—Editor's Note.

[Written for Farmers Mail and Breeze.]
THE question, "Which benefits the farmer most, the loss off or case count method of buying eggs," has been asked me frequently the last few weeks.

I should say that it depends upon who the farmer is. If he is a man who collects his eggs once a day or thereabouts and markets them only half as often, if he is not averse to slipping in eggs that did not hatch in the incubator, or the nestful he discovers hidden under the granary or on top of the straw-stack, thinking that they will get lost in the shuffle; if anything he can find that is in a shell and will pass for an egg, goes into his basket, why of course "case count" is the thing for him because he's getting something for nothing.

W. A. LIPPINCOTT.

If on the other hand he is a man who does not market an egg unless he knows it to be fresh, who keeps his male birds from his laying flock and collects the eggs every day, who even goes so far as to gather them twice a day during the hot weather, puts them in a cool cellar and takes them to town three times a week well protected from the sun, why of course he welcomes "loss off" because the loss comes off his shiftless neighbor.

During the last year or more the "loss off" system of buying eggs has been tried in a good many sections of the state. I have been making considerable inquiry during the last few weeks to find out if possible what the effect has

been. I have talked with dealers and had many letters from them and without exception the report has been that the quality of eggs in those sections has been greatly improved. This has had its effect upon the output of eggs of the state as a whole to such an extent that last summer for the first time in the history of the state, Kansas eggs sold for a higher price in Detroit than the eggs produced right there in the state of Michigan.

I want to see the quality of Kansas eggs improved until she leads every state in the Union that has to ship an equal distance to market. I believe that buying by the "loss off" system will help bring this about. But what I want to see even more than this is a system so arranged that the farm man or farm wife who takes the pains to market only first-class eggs shall get a first-class price for those eggs.

As a general rule under the "case-count" system the man who markets a half case of eggs that contains three dozen rots, gets exactly as much money as his neighbor who turns in the whole half case without a bad egg. Under a stringent "loss off" system, the farmer with good goods would go home with more money than the neighbor with poor goods. The first step in securing a good price for good goods is to see that worthless goods cannot be sold at any price.

When any dealer in any line has to figure on a certain loss in his business he has to figure on making that loss back somewhere or go out of business. If the loss is from bad accounts, the good accounts must make it up. This means that his goods will be sold at a higher price. If it is from bad eggs the price on good eggs must be made low enough by the egg buyer to offset the bad eggs. In either case the man that is on the square is the one who suffers. In the one case the man who pays his own bills also has to help pay his neighbor's. In the second, the farmer by taking a lower price for his eggs in reality helps pay for the spoiled eggs of his neighbor.

Good prices for good goods are better for the producer, the dealer and the consumer. For even the consumer who pays a good price for fresh eggs is better satisfied than the one who pays a low price and gets stale eggs.

Interest in Hatching Contest

HOW TO ENTER.

FIRST PRIZE—An incubator of your choice, selected from those advertised in Farmers Mail and Breeze. We refund the price you pay for it.
SECOND PRIZE—A decorated dinner set.
THIRD PRIZE—A year's subscription to Poultry Culture.

Interest in the Mail and Breeze hatching contest increases. While careful methods count it is a contest in which anybody may win. The contest rules are simple. To compete, keep a record of your hatches and before May 30, 1912, send us a report of your best two. The second one will be necessary in case of a tie. Set any number of eggs above 75. It is the per cent of the hatch that counts. With your report enclose the manufacturers' bill or acknowledgement showing your incubator was bought this year (1912) from a Mail and Breeze advertiser. The winner of first prize gets the price she paid for her machine refunded to her.

As soon as possible let us know on a postal card that you intend to compete, addressing the card to the Poultry Editor of Farmers Mail and Breeze, Topeka, Kan.

In reporting your two best hatches on or before May 30, 1912, state number of eggs set each time and the date; how many eggs were afterward tested out, giving date, and how many live chicks were hatched, giving date. To make the contest fair, winners will be sworn to their reports after contest has been judged. Address reports to Poultry Editor, Farmers Mail and Breeze, Topeka, Kan.

SHE QUIT COFFEE And Much Good Came From It.

It is hard to believe that coffee will put a person in such a condition as it did a woman of Apple Creek, O. She tells her own story:

"I did not believe coffee caused my trouble, and frequently said I liked it so well I would not quit drinking it, even if it took my life, but I was a miserable sufferer from heart trouble and nervous prostration for four years.

"I was scarcely able to be around at all. Had no energy and did not care for anything. Was emaciated and had a constant pain around my heart until I thought I could not endure it. I felt as though I was liable to die any time.

"Frequently I had nervous chills and the least excitement would drive sleep away, and any little noise would upset me terribly. I was gradually getting worse until finally, one day, it came over me and I asked myself what is the use of being sick all the time and buying medicine so that I could indulge myself in coffee?"

"So I thought I would see if I could quit drinking coffee, and got some Postum to help me quit. I made it strictly according to directions and I want to tell you that change was the greatest step in my life. It was easy to quit coffee because I had the Postum which I like better than I liked the old coffee. One by one the old troubles left, until now I am in splendid health, nerves steady, heart all right and the pain all gone. Never have any more nervous chills, don't take any medicine, can do all my housework and have done a great deal besides.

"My sister-in-law, who visited me this summer, had been an invalid for some time, much as I was. I got her to quit coffee and drink Postum. She gained five pounds in three weeks, and I never saw such a change in anyone's health."

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



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where farm supplies are sold. Shipped to them direct from mills in carload lots, saving freight charges and enabling dealers to sell at lowest prices, giving buyer the benefit.

Send for copy of "American Fence News," also book "How to Make the Farm Pay," profusely illustrated, devoted to the interests of farmers and showing how fences may be employed to enhance the earning power of the farm. Furnished free upon application.

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Rolls—Does Not Swing or Slide

Consequently takes up no room beyond the fence line and is not affected by wind or weather.

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SIX COLORS:
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If Uncle Sam and Secretary Wilson made the **Sure Hatch Incubator**, they wouldn't make a single fundamental change in its construction. **IT IS THEIR KIND OF MACHINE**

In Farmer's Bulletin No. 236 the Department of Agriculture tells you how a perfect incubator should be made naming the specific features it should contain, so that you may have an official guide by which to tell a good machine.

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This machine is the result of many years of careful study and experiment—built right—has many exclusive features—improved hot water heater—economical and easy to run.

You depend on your incubator for getting your share of the **One Billion Dollars** that poultry earns. Don't take chances—get the **SURE HATCH**, the Government Kind of Machine—the one you know is the best. Early hatches pay biggest profits. The **Sure Hatch** is sent on **60 days free trial, freight prepaid. 5 year guarantee.** Write today for big free book. **Sure Hatch Incubator Co., Box 14, Fremont, Neb.**

Preserving Eggs at Home
BY H. C. PIERCE,
Iowa Experiment Station.

Eggs have been kept in a water glass solution for three years without undue deterioration, but it does not pay to keep them more than 10 or 11 months, as they would then pass through another period of low prices. Of all the practicable methods of preserving eggs in the home none have been more effective than the water glass, or lime water.

Water glass or soluble silicate of sodium is a pale yellow odorless, sirupy liquid. It may be obtained from most druggists at from 60 to 90 cents a gallon. For use stir 1 part of water glass by measure into 11 parts of boiled water either hot or cold. If mixed hot allow the mixture to cool before using. For lime water mixture slake 3 pounds of good quicklime in a small amount of water, then add the milk lime thus formed to 3 gallons of water. Keep the mixture well stirred for a day, then allow the excess of lime to settle and use only the clear liquid. Three gallons of either mixture will preserve from 20 to 24 dozen eggs and 1 gallon of the water glass as purchased will make enough preservative for 75 to 100 dozen eggs.

Use Only the Choicest Eggs.

Only absolutely fresh, clean, unwashed, sound eggs with smooth, firm shells are suitable for preserving. The best quality eggs are laid during the months of April and May. Infertile eggs are preferred as they keep better than fertile eggs. Any eggs that float in the liquid should be removed as floating indicates that the contents are shrunken leaving a large air cell. Such eggs are usually stale, cracked, or thin shelled.

Any earthenware, glass or wooden jar, tub or barrel may be used as a container but metal dishes must not be used as the solutions will attack and corrode them. All vessels must be absolutely clean and sweet because eggs are very susceptible to odors and taints of any nature. Scald the vessels with boiling water just before using.

How the Eggs Are Packed.

The eggs may be placed carefully in the vessels small end down and the solution of water glass or lime water poured over them. Or the vessels may be filled about half full with the liquid and the eggs carefully placed in as gathered. The latter method is preferred as it allows the packing of the eggs just as soon as laid and any eggs that would naturally float may be removed as they will not then be held down by the heavy eggs. About 2 inches of the preservative should be above the eggs at all times. Vessels should be kept in a cool ventilated place such as a good cellar and should be covered to prevent evaporation.

Eggs preserved according to these directions may be used to replace strictly fresh eggs for nearly all cooking purposes. In boiling it may be necessary to pierce the shell with a needle to prevent cracking of the shell as the preservative seals the pores and prevents the escape of gases which is possible in the fresh air.



THE farmer who knows the plain truth about paint is not at the mercy of either paint fakirs nor fake painters. He knows what to ask for in his specifications and how to get what he specifies.

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Dutch Boy Painter

Pure White Lead

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Climatic conditions do not affect the X-Ray Incubator because it is the **only** one made on the **right principle**. Lamp is placed underneath—square in the center—and not on the side. Thus the X-Ray has **perfect distribution of heat** all throughout egg-chamber. There's no cold side. Big lamp holds four to eight quarts of oil—fill it **once** for a hatch. No daily muss or smell.

X-RAY Incubator

—has patented automatic trip. That cuts flame down at burner when egg-chamber gets too hot. So there's no waste, no excess heat. Thus only one gallon of oil is needed. These time and labor-saving features are wonderful! Think of operating a guaranteed incubator that—

Uses Only One Gallon Oil to a Hatch—Lamp Only Has to be Filled Once!

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This is the latest improved incubator and by reading our catalog you will discover it has features never before applied to an incubator. It is fireproof, has a sliding lamp that holds oil enough to run ten or twelve days, and it is a perfectly sanitary machine, as the top raises and all of the insides can be taken out and cleaned. Every piece of lumber in it is kiln dried. Ask your dealer for a **SAFETY HATCH** catalog or write us.

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Poultry at the State Fair

The directors of the Kansas State Fair association have recently appointed Russell F. Palmer, associate editor of Poultry Culture, Topeka, general superintendent of the poultry department for the fair to be held next September at Topeka. This year a large roomy building built on the highest point within the grounds, will be used for the poultry exhibit. At the last year's show 3,462 birds were exhibited. Poultry farmers from every part of the state brought out their birds to see which had been the most successful in rearing the best. This year a small entry fee will be charged and a material increase has been made in the premium money. Several silver cups and medals will be awarded. Four well known judges will place the awards. As usual, the fair management will furnish feed and water and will have all fowls properly cared for at the association's expense. For premium lists and entry blanks, write at once to Mr. Palmer, whose address is given above.

Also Appreciated in Oklahoma.
Mr. Editor—Farmers Mail and Breeze is the best paper we get.
Mrs. D. M. Rogers.
Borum, Okla., January 11, 1912.

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KANSAS MADE

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Has a Base Anchor and an Inner Anchoring Hoop—the Saginaw Silo. The Saginaw Base Anchor is absolutely new on 1912 Saginaw Silos. **Roots** Silo to its place. No fear your Saginaw will ever blow down. Saginaw Inner Anchoring Hoop at top makes it impossible for staves to loosen or fall in. Before you buy any Silo, be informed about these greatest improvements on Silos. The Saginaw also has the All-Steel Door Frame, adding strength and making easiest working doors. Four big, modern factories make the scientific Saginaw. We have a **FREE BOOK** for you, showing the great Saginaw Silo manufacturing plants inside and out; also facts on feeding silage. Write today to factory nearest you for Circular M

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Henry Ford Uses Saginaw Silos



One Man and Wrench on Our "Door Ladder" Adjusts Hoops in One Hour—Safely—Quickly—Done. No Axe or Crowbar Needed

Simple and Sensible Silo Saves You \$17 Per Acre

Prof. Kennedy, at Iowa State College figures cornstalk loss for Iowa alone at \$17 per acre net. Think of it. Get busy. Save that \$17 or more per acre net on your corn acre.

"Unadilla" Silo exclusive features, easiest filled, easiest kept tight. Our fasteners being entirely on the doors they can be left in the opening at any height, merely pushed up out of the way and always where they belong. Easiest to get feed out of. Unobstructed continuous opening, 22 inches wide, makes it possible to shove ensilage out instead of pitching it up 2 or 3 feet like others.

Takes man or boy only 1 hour instead of a day to tighten or adjust every hoop on silo up to 12 inches while standing on ladder formed by fastener. No dangerous separate ladder needed as on others. Our safe door fastener makes a substantial ladder right under opening, rounds 1 1/2 inches apart, stand out 6 inches from the door, solid, safe, 14 inches wide.

Pick your silo carefully. Investigate the simple and sensible **UNADILLA SILO** ALL SIZES ALL PRICES

Strongest guarantee of quality lumber staves, castings, hoops, doors two thicknesses to stop warping. Withstands the hardest tests of time, heat, cold, sweating, etc. Capacity 31 tons, feeds eight cows from three acres of corn silage for 180 days up to 395 tons. Can send you hundreds of testimonials from "Unadillas" practical stock raising owners.

Prices and Savings—Costs from \$120 up, according to size. Quickly put up and saves or makes you \$4 or \$6 per ton on feed. Often used 200 days in the year. Proves 25 per cent or more profit on cost of investment on feed alone. More than that on time and trouble saved if you have "Unadillas" practical exclusive features.

Let us send you the proofs. Then take your pencil and figure the hundreds of dollars in pocket to you right from the start. Absolutely the quickest thing on the place to pay for itself and then 10 to 20 times over again in a few years. Write. Don't delay. Find out whether you buy of us or not. Got the FACTS. Write a Postal -Books FREE.

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Double cases all over; best copper tank; nursery, self-regulating. Best 140-chick hot-water brooder. \$4.85. Both ordered together, \$11.50. Freight prepaid (E. of Rockies). No machines at any price are better. Satisfaction guaranteed. Write for book today or send price now and save time.
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DR. CANNADAY, 235 Park Square, Sedalia, Mo.

Plan For Winter Eggs Now

The First Step is Saving the Early Pullets

BY RALPH SEARLE, ASSOCIATE EDITOR OF POULTRY CULTURE.

Save your early hatched pullets for next winter's layers. It is the opinion of shippers and handlers that eggs will be steadily higher in price next fall and winter than they have ever been. The coolers are empty, prices are so high and the season is so backward that comparatively few eggs will go into cold storage this season. Our poultry raisers should plan their winter-egg campaigns accordingly.—Editor's Note.

(Written for Farmers Mail and Breeze.)

Early hatched pullets and yearling hens are best suited for this purpose. They must not be fat. The average farm hen is too fat to lay many winter eggs. She has free access to the corn cribs and hog lots, and goes into the winter as fat as the hogs she steals the corn from, often fatter. A hen which will lay in such a condition is the exception, not the rule.

She must be in perfect health. The hen which has become diseased or in any way out of condition will not lay during the cold weather and better be disposed of.

"Which is the best breed for winter egg production?" someone asks. The question is difficult to answer. The fact is that less depends upon the breed than is usually thought to be the case. Good laying strains can be found in every breed, developed by years of careful mating and selection for that particular function. It may be safely laid down as a general rule, however, that the Medi-

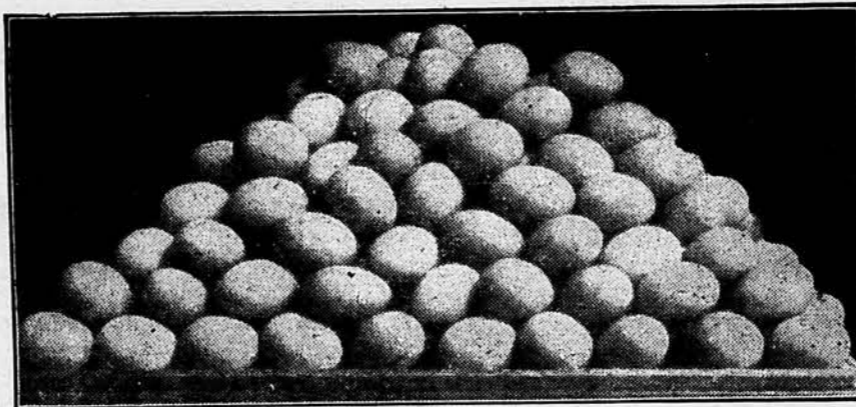
ened in the same manner so that they can be let down just in front of the roosts on very cold nights.

This style of house is successfully used even in the coldest parts of the country. Hens kept in them remain healthy and vigorous, and when properly fed and cared for, shell out the eggs in an amazing manner. If you have an old fashioned tight hen house, or one with only a small glass window or two on the south side, the sooner you change it into a fresh air house, the better results you will secure during the winter.

Simple Method of Feeding.

While we have too much respect for the opinions of others to assert that our method of feeding is the best, it has enabled us to produce a large number of winter eggs, at a neat profit, from a breed not famous for its winter egg laying qualities.

The hens are placed in an open front house some time in November, whenever the weather begins to grow cold and



The big reason why winter eggs are scarce on many farms is chiefly because the hens find too much corn to eat and become too fat to lay.

terranean breeds, Leghorns, Minorcas, Anconas, etc., will naturally produce the largest number of winter eggs if given the proper care.

The Housing.

The building in which the hens are housed is very important in solving the problem of winter egg production. The time is still well within our memory when it was the prevailing opinion that the houses should be made as warm and tight as possible, double sided with dead air space between—glass front, etc. And even then we were advised to supply some sort of artificial heat. These houses were necessarily expensive, and the results obtained were discouraging in almost every case. They were hot in the day time and cold at night. They were damp, the fowls took cold easily, and no end of trouble ensued. Careful students of poultry culture soon discovered they had been working on a false theory, that the hen is endowed by nature with a heavier coat of feathers in winter, just as the hair on a horse becomes longer and thicker as the cold weather approaches. In other words, hot houses were not only unnecessary, but a positive detriment to her.

The Curtain Front Best.

The house which is now in use on the largest and most successful egg farms in the country is what is known as the "curtain front," or "fresh air" house. These houses are inexpensive, being constructed of cheap sheeting, covered on the roof, ends and north side with twoply roofing or heavy tar paper. The south side is left almost entirely open, from about 2 feet above the ground to the roof, wire netting of course, being nailed over the opening. Muslin curtains on hinged frames are fastened at the top of the opening. In the day time, except in stormy weather, these curtains are swung back up against the roof, thus admitting an abundance of sunshine. A second set of curtains is fast-

stormy, and kept there until the balmy days of spring come on. "Don't you let them out on nice days?" I hear some one say. No ma'am, we do not. Turn the hens loose after they have been shut up for a few days and the egg production immediately drops off. When you shut them up again they are discontented and restless and it is several days before they again get down to business.

Just as soon as the hens drop from the roosts in the morning they are given wheat, about a quart to 15 hens, in a thick litter of straw, about a foot deep. The wheat is thoroughly worked into the straw with a fork, and it takes most of the forenoon to work it out. And right here is one of the "deep secrets" of winter egg production. Keep them busy. At noon the operation is repeated. About 4:30 in the afternoon they are ready for supper, and we fill them up with—yes, you have guessed it, sprouted oats, with a dessert of shelled corn if the weather is severe, sending them to roost full and satisfied for the first time in 24 hours.

Simple, isn't it? And it works. It will pay you a nice profit even if you have to pay \$1.15 per bushel for the wheat, as we had to last winter. Grit, oyster shell and charcoal are kept before them in hoppers at all times, also plenty of pure water. Three times a week they are given a feed of green cut bone. An ounce per hen is sufficient, and should be given so that each hen will get her share. An oats sprouter and a green bone cutter are two appliances which will pay splendid interest on the investment, and which no person who keeps 50 hens, or more, can afford to be without.

Get a Government Job.

All interested should write to Franklin Institute, Dept. A 178, Rochester, N. Y., for free list of Government positions. open.

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How to Use Them
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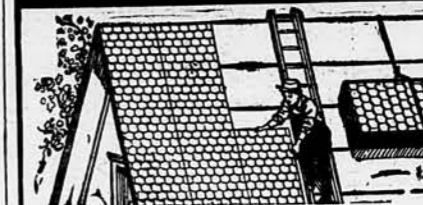
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Edwards "REO" Steel Shingles Last Five Times as Long as Wood and last three times as long as any other steel shingles because Edwards "Reo" Steel Shingles are "TIGHTCOTE" Galvanized.

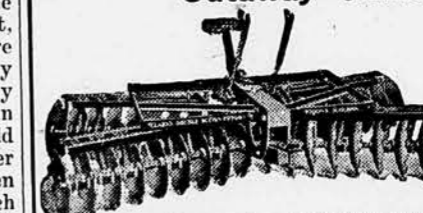
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Easily adjusted, never clogs, light draft, durable material. Just the thing to renovate alfalfa. The most complete implement on the market for intensive cultivation. Send for our new book, "Intensive Cultivation." It's free. Write

J. C. CONLEY, General Agent
421 N. Water Street, WICHITA, KAN.

MEET ME AT THE
BLOSSOM HOUSE
KANSAS CITY, MO.

We recommend that every one of our readers who raises hogs read this advertisement all the way through, every word of it. It is full of vital facts about lye for your hogs.

Lewis' Lye is the Standard Lye and has been for Half a Century

ALL THE CLAMOR that might be raised by the many packers of lye could not dislodge this fact from the minds of the millions of Americans who, from their grandmothers' days, have known and used Lewis lye.

The one single fact that Lewis' Lye during many years past has gradually attained a great demand for use as a **Preventive for Hog Cholera and Worms and as a General Hog Conditioner**

has led many small concerns to enter the commercial lye field in the hope of taking over part of the popular demand for Lewis' Lye. Some of these concerns have come to you asking for your patronage and making their *claims* to your patronage by statements *untrue*.

We want you to know the Truth about this whole Lye Question



The Quaker is on Every Can

Do not accept inferior, low-grade lye when you can get Lewis' Lye. Look for the black Quaker on the can—that's the sign of Lewis' Lye, the guarantee of greatest strength and purity, the guarantee that every can is **UNIFORMLY BETTER**.

At Your Grocer's, 10c

WE WANT to impress indelibly on your mind the fact that Lewis' Lye is manufactured by the Pennsylvania Salt Manufacturing Company, the first concern in the world to place a commercial lye on the market (1854) and even to this day the only lye manufacturing concern selling its own product under its own label and guarantee.

We want to impress indelibly upon your mind the fact that every other trade marked lye in the whole market except Pennsylvania Salt Manufacturing Company Lye is sold by men or concerns who buy—here and there, hit and miss—bulk lye—buy it in drums at the lowest prices they can, put it in cans, stick a label on the can and then come out and *lay claim to superiority*.

We want to put it squarely up to you whether you prefer to rely on the trade mark and the label of the Pennsylvania Salt Manufacturing Company, which has been *in business longer than most men have been alive*, or on the trade mark and label which a manufacturer coming into the market overnight has put on his package of low-grade lye.

We want to put it squarely up to you whether you would choose to depend on the Pennsylvania Salt Manufacturing Company which *makes and sells its own product* or on the man who buys his product from *unknown makers* whose responsibilities cease the moment their output has gone into *his packages*.

Every reader of this paper must realize that Lewis' Lye attained and maintained its domination of the lye market of America over a period of more than half a century on the basis of quality and nothing in the world but quality.

The Pennsylvania Salt Manufacturing Company, ranking among the largest manufacturing chemists in the world, maintaining at all times a great staff of expert analytical chemists experimenting year after year and year after year for no other purpose than to *maintain the quality of Lewis' Lye at all times and better it just so far as possible*—has never misrepresented its product.

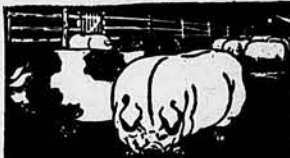
When we tell you that Lewis' Lye is the **purest, highest-grade lye ever produced** we stand ready with all our resources back of us, to prove it.

The farmers and farmers' families all over America who have been using Lewis' Lye for generations in their hog feed, for making soap, for general cleaning purposes, don't *ask* us for any proof. Using Lewis' Lye year after year they *know* its quality is always the same, that its strength never varies. They have never questioned its purity.

When we say Lewis' Lye is a splendid hog conditioner, when we say it is an excellent preventive for hog cholera and worms and other hog diseases, we base this statement not merely on laboratory tests but on the long experiences of hog raisers all over America who have written us voluntarily to tell how they have kept cholera and other hog diseases away from their droves by the use of a little Lewis' Lye in their feed.

Lewis' Lye for no other reason than because it is the purest, strongest and most uniform lye, and because it is backed by the responsibility of the manufacturer, in whom you can put every ounce of faith, is the safest preventive of hog diseases. No premium, no schemes. Just the best lye in the world. Order it from your grocer. The Quaker is on every can.

THE value of lye in hog feed rests entirely in the potash (or lye) contents. Every farmer knows and has always known that wood ashes are good for his hogs. It used to be that nearly every farmer fed wood ashes to his hogs, but the progressive and intelligent farmer today *knows* that pure lye is the one product which gives him the element found in wood ashes and *needed by the hogs* and he knows that it is more convenient to use and more beneficial to hogs.



Now then, the only possible difference between one kind of lye and another is the difference in their strength, purity and uniformity.

Through all our years of experience in the manufacture of lye and with all the resources we have had to work with, it is only *natural* that we should have developed the best manufacturing processes; it is only natural that we should have learned how to make the *strongest, purest and most uniform lye in the world* and we have learned how and we *are* making the strongest and purest and most uniform lye in the world and that is the only reason we can come to you and say that Lewis' Lye is the best lye to use on the farm, whether for feeding hogs, making soap or for any other purpose.

Lewis' Lye is NOT specially prepared for hogs, nor is it specially prepared for soap making nor for any other one of its several uses, and let us here clearly, definitely and finally wipe out any impression which may have been created in your mind by the statements of some packers of advertised lye to the effect that they prepare by "secret processes" a "special" lye for use in feeding hogs.

There is no such special lye for hogs.

If there were any *reason* for making a special lye for hogs or if there were any *way* of making a special lye for hogs, the Pennsylvania Salt Manufacturing Company would have marketed such a product long years ago. We could have prepared a *special label* for hogs but the contents of the can would have been just simply Lewis' Lye—and that's all you want for your hogs.

You want the best lye your money can buy. That means that you want the strongest and purest and most uniform lye, the lye that's always the same, whose high quality never varies, the lye whose *makes* back it themselves, put their name on the package and stand back of it as a guarantee of its superiority, and *there is just one lye that answers to that description*. It's Lewis' Lye, standard for half a century.

Read the instructions for feeding Lewis' Lye to hogs—one-quarter can to every barrel of feed. Now read the instructions on the "Specially prepared secret process" lye for hogs—"One-half can to a barrel of feed."

Figure it out and decide which lye you want to use.

We haven't any fight on with anybody. The Pennsylvania Salt Manufacturing Company doesn't enter into controversies, but we don't want to see the progressive hog-raisers of America hoodwinked by impossible claims and assertions.

PENNSYLVANIA SALT MANUFACTURING COMPANY, PHILADELPHIA, PENN'A.
Manufacturing Chemists

How To Mate Your Birds

BY WILLIAM A. HESS

[Written for Farmers Mail and Breeze.]

IN SELECTING breeders for a pen one should choose the very best females and put them with the very best male. If the male is a good, vigorous bird eight females may be allowed in the pen. If he is not vigorous he should not be used at all. If you have Rocks, choose



W. A. HESS.

as typical a Rock shape as you have, those with good, deep breasts, long backs and firm, strong, yellow legs, and don't overlook the low combs and good bay eyes. The hens should weigh at least 7½ pounds and if pullets are used at this time of year they may weigh a little less. If a cockerel, the male bird should weigh not less than 8 pounds. The females should be of a uniform, even shade and clean buff throughout. The male should be of the same color, permitting if necessary a slightly deeper shade of buff than the females. Never breed a light colored female to a dark colored male in the hope of balancing the defects of both. When you see the resulting mottled offspring you will be disappointed.

It is usually best to use hens in the pens as they have gone through a moult and you can tell more about the lasting qualities of the color. Frequently a good buff bird will feather in with some white feathers if she is not kept free from lice and mites during the moulting season. If a green or forming feather is injured it is also apt to come white as a result.

Breeding for Winter Layers.

In mating our pens we should not forget that the Buff Rock is a two purpose fowl. Breed birds too large and egg production is reduced. Breed too small and the meat product is reduced. Stay as near the standard weights as possible. Also mate females that are strong winter layers. Farmers are not getting

anywhere near as much from their poultry as they could because eggs are not usually incubated on the farm until April. By that time winter layers are getting broody while some hens that have not laid an egg all winter are just being warmed up by sunshine and green feed and beginning to lay. When these eggs get into the hatch how can we expect to get winter layers?

Too many breeders are striving after results by considering the color question beyond its value. We should not forget that shape makes the breed, and color the variety. Shape determines the meat and egg question and therefore should always be remembered in mating pens.

How Best to Add New Blood.

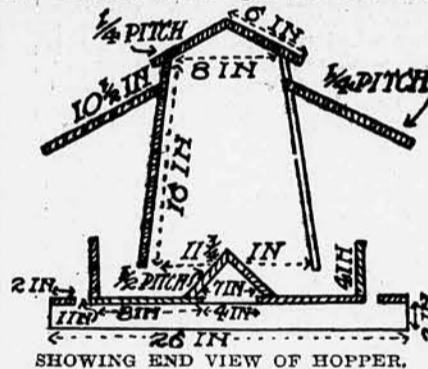
It is undoubtedly better to introduce new blood into a flock through the female side but if you have a good male individual from a reliable breeder. I think you are safe in using him to head your pen. In getting new blood one must be careful, of course, not to get blood from a different strain from the one on hand for this will unbalance the breeding which has been done to offset certain tendencies.

One thing to be very careful about in mating is not to have a certain defect in both male and female in the same pen. If the male has a rather large comb he should not have with him a female with the same defect. If he has a poor shaped breast do not put in a female with this defect. To breed the same defects in both sexes makes it almost impossible to breed them out again. I have not touched on healthfulness and care for it should be generally understood that no bird should ever be bred that has been sick with roup or any other disease that has sapped its vitality. Humboldt, Kan.

A "Never Choke" Food Hopper

PREVENT FEED WASTE.

As good a feed hopper for grain and dry mash feeding as we have ever come across is the plan given herewith and recommended by the Minnesota Experiment station at Crookston. The diagram explains itself. The advantages of this style of hopper are that it will not choke, the chickens cannot get into the feed



with their feet, the feed is kept dry even outdoors, and none is wasted. The wing on each side shows the roof over the trough to keep the outside feed dry. One side of the upper roof may be hinged like a lid for filling. The gable shaped projection, running the length of the floor, allows almost every kernel of feed to be reached by the birds, thus preventing feed from getting musty from remaining in the hopper too long.

Four Big Papers For \$1.25

The Mail and Breeze is enabled to make the biggest clubbing offer it has ever had, and for only \$1.25 will send all four of the following papers for one year each: The Mail and Breeze, of which nothing need be told our own subscribers or those reading this copy of the paper it speaks for itself. The Household, a large family magazine, containing the choicest stories and departments of particular interest to lady readers. The Twice-a-Week Republic of St. Louis, the oldest and best semi-weekly newspaper in the entire Southwest. Farm Progress, a big semi-monthly farm and agricultural paper which should be read by every farmer. No liquor advertising is printed in any of these papers. Remember, all four of these big papers will be sent to one address or to four different addresses if so desired for only \$1.25. If you are a subscriber to any one of these papers your time will be advanced another year. The regular price of these papers, if taken separately would be \$2.25. Why not save \$1.00 and buy this combination? You will be supplied with the best class of reading matter for a full year. Don't fail to mention the names of these papers in sending in your order. Send your order to the Mail and Breeze, Topeka, Kan.

The Mill That Fools the Storm



Send us your name. Read our book. See how this mill fools storms and cyclones. Opens up automatically and lets the big winds go through. Yet works on lighter winds than any other mill made. Simply cannot blow down because it doesn't fight the cyclone—it dodges it. Has widest wind surface so you are assured of plenty of water and power for other work even in slightest breezes. No more danger, no more worry, no more expense after you get this windmill up. Outlasts any two steel mills made. The

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Oil Once a Year

Althouse-Wheeler Vaneless Windmill

has special patented grease cups which hold oil enough for the whole year. No more creaking, squeaking mill, no more climbing tower every week to oil. No more slamming or banging because it comes in and out of wind without jarring or jerking. Special low price means biggest windmill value ever offered. Built for a lifetime's service. Many in use for over 20 years. Let us show you letters to prove it. No springs, cords, chains or pulleys to weaken and break. Simple as A B C. Write us.

Write for Special Offer

We want to get one mill in each locality and sacrifice our profit to do it. Take advantage of this money-saving opportunity. Send name now. Read our interesting book on Wind Power. Read the letters from Althouse-Wheeler mill owners. See actual photographs. Now's the time. Write us. Don't risk your old mill another week. Send name quick to

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FREE

The patented pump pin shown here will be given free to you by our dealer in your town. If we have no dealer there, mail us 5c to cover postage and we will send it direct. Will you do that much to get this 35 cent pin? If not worth return and get your 5 cents back. We want you for a friend. Send name and address with 5 cents.

"Firestone" TIRES

10 Years Perfect Record

TEN years without an "off" year in wearing quality is the "Firestone" record of supremacy. That is the result of extra cost we put into making "Firestone" tires—stouter construction—more durable rubber—extra workmanship—more rigid inspection. Let us tell you why you should use Firestone Tires and Demountable Rims on your car.

The Firestone Tire & Rubber Co.
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"Most Miles Per Dollar Of Cost"

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Is a Clean Cutter

Its compensating gears and cutter bar rotating device are successful examples of the wonderful inventive genius of Mr. Joseph Dain. The gears are so mounted in relation to each other that perfect balance and true mesh are permanently insured and the crank shaft is relieved of all end thrust, preventing lost motion, reducing draft and multiplying cutting power. That is why the Dain Mower runs lightly and cuts where others fail. It is the only mower you can realign, yourself, right in the field with your wrench. This practical adjustment for maintaining the cutter bar in line with the pitman, means added efficiency and years of extra service.

A Real Vertical Lift

Notice the spade handle on the lever. Easy to grasp, no twisting. One movement of one lever raises the bar, knife throws in and out of gear automatically as bar is raised and lowered. The large-coil, flexible spring floats the cutter bar, does practically all the work in lifting with the foot at corners and helps in raising the bar vertically.

Consult the nearest John Deere dealer; learn all about this greatest of all mowers, and about the entire line of Dain Hay Tools, Loaders, Side Delivery Rakes, Stacks, Sweep Rakes, Presses; every one the best of its kind.

Dain makes the best hay tools. They have been specializing on them for over a quarter of a century.

Send for full particulars and a free copy of "Better Farm Implements and How to Use Them," the most complete and practical book ever written. Write today. Ask for package No. R 12.

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Moline, Illinois

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have a world-wide reputation for high quality and our prices have made them famous.

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experience selling to the consumer means success. We ship for examination, guaranteeing safe delivery, satisfaction and to save you money.

Catalog shows all styles of pleasure vehicles and harness, pony vehicles and harness, spring wagons, delivery wagons and harness.

May we send you large catalog? We also make the "Prett-Forty" Automobile. Elkhart Carriage & Harness Mfg. Company Elkhart, Indiana



Save \$25

No Drudgery in Your Barn Work

LOUDENIZE your barn and you avoid all the hard, unpleasant barn work. A Louden equipment for every barn task; sanitary and durable. LOUDEN'S STALLS AND STANCHIONS give your cows full freedom of movement. Keep them always comfortable, and make them more profitable. Made of tubular steel; may be hung in home-made frames. We also make a full line of Feed and Litter Carriers, Hay Tools and Barn Door Hangers. All LOUDEN equipment made under original patents and guaranteed. Write for free book LOUDEN MACHINERY CO., 517 Broadway, Fairfield, Iowa.

LOUDEN'S STALLS and STANCHIONS

Splendid Coffee Growths



blended to bring out the full richness of the fragrant berry, roasted to the exact point of perfection, scientifically cooled—then into the box that keeps the strength till it reaches you. That's

ONE'S OLD GOLDEN COFFEE

The blend that makes the most entrancing of cups—rich, aromatic, satisfying. See that the seal is unbroken. Just ask your grocer.

35c A POUND
TONE BROS., Des Moines, Ia.
There are two kinds of Spices, TONE'S and "others"



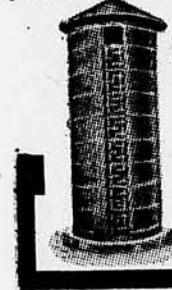
You can buy an INDIANA SILO on our plan and never know you have spent a cent!

The best proposition ever offered. Write us a postal for our special plan and our free book entitled "Silo Profits." The book tells WHY you should have a silo and our plan tells HOW you can get one.

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The largest makers of silos in the world. Address nearest factory: 379 Union Bldg., Anderson, Ind.; Indiana Bldg., Des Moines, Ia.; Silo Bldg., Kansas City, Mo.

THE HINGE-DOOR SILO

BUILT OF FIR



ONE-PIECE STAVES—

half-latch tongues and grooves—heavy all-steel door-frame—hinges form ladder—billet steel hoops—a silo with every convenience and built to last a lifetime. Write for catalog.

NEBRASKA SILO COMPANY
Box 3, LINCOLN, NEBR.
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5 Special Silo Propositions to You

Get these offers—then decide on a Champion. Western Made for Western Trade. Continuous door front trussed and braced with angle iron and channel steel. Double latch ladder secures doors and supports heaviest man. Adjustable hoops keep staves tight. Redwood doors—can't shrink or blind.

5 Money Saving Ways to Buy the Champion Silo.

- No. 1—For single silo and cutter.
- No. 2—For two silos and cutter.
- No. 3—For three silos and cutter.
- No. 4—For four silos and cutter.
- No. 5—For five silos and cutter.

Write for Free Catalog. Tell me which proposition you want.

Keller J. Bell, Western Silo Co., 155 11th St., Des Moines, Ia.



Who Can Equal The Des Moines



Before you buy investigate this faultless silo. The most perfect silo—none like it on the market.

The "Different" Silo Made of finest lumber thoroughly crosscoated, making it weather-proof, rot-proof, moisture-proof. Made wind-proof by double anchors. Galvanized steel inside hoop gives added strength. Keeps staves always rigidly in position.

Write for Catalog Fully explains the Des Moines and tells why it's the most profitable silo for your farm. Free. Write: H. C. Bergrove, Pres., Des Moines Silo Co., Sta. M, Des Moines, Ia.

"Winifred's Sacrifice" FREE

A Thrilling Romance By Mrs. Georgina Sheldon
Every reader of fascinating love tales knows that Mrs. Sheldon has few equals in the writing of stories that hold the attention from first to last. "Winifred's Sacrifice" is one of the greatest love stories ever published. It fills 376 pages and will clinch your attention from the first word to the last. Bound in beautifully illustrated colored covers—the book being almost an inch thick. This is our greatest offer; we will send one book free and postpaid to all who send 10 cents to pay for a three months' subscription to our big paper. Address Household, Dept. "W. S.", Topeka, Kan.

Solving the Lice Problem

BY H. C. PIERCE AND R. L. WEBSTER. Iowa Agricultural College.

If fowls have easy access to a dusty earth wallow where they can work the fine dry particles of dust into their feathers they will keep themselves fairly free from lice. A good dust wallow may be made of equal parts of sifted dry loam and coal ashes. Wood ashes should not be used as they may bleach or burn the shanks and feathers. For the eradication of lice quickly and completely, as upon show birds and sitting hens, it is usually necessary to work a fine dusty powder into the feathers. Hold the fowl with one hand by the legs, head downward, and work the powder into the fluffy feathers around the vent, on the body, under the wings and on the neck, with the free hand.

Home Mixed Dusting Powder.

An excellent powder at low cost is a mixture of 3 parts gasoline and 1 part of crude carbolic acid, stirring in all of the plaster of Paris it will moisten. When enough plaster has been added the powder will be dry, brownish pink in color.

A second application of the powder should be made at the end of one week to catch any lice that escaped the first dusting or that have hatched from eggs in the meantime. Sitting hens should be thoroughly dusted when eggs are placed under them and again at the end of the first and second weeks. This insures freedom from lice when the chicks are hatched. To kill the lice upon chicks dust the mother hen or paint the walls of the coop with some liquid lice killer or disinfectant. Especial care should be taken to dust the male of the flock thoroughly, as the quickest way to spread lice through a flock is by means of a lousy male bird.

Paints That Are Effective.

Liquid lice killers are used to paint the roosts and dropping boards. Their fumes rising through the feathers of the birds cause the lice to drop off. The practice is to paint the roosts about 4 o'clock in the afternoon before the fowls go to roost. This also prevents mites from attacking the fowls. Most of the liquid lice killers are coal tar products.

It has been found at this station that when a fowl was placed upon a roost coated with the cresol-soap formula the lice would drop in large numbers and could be caught upon a paper spread beneath the roost. In a majority of cases however, the parasites were not killed. Where this method is used the dropping boards should be cleaned early the following morning to prevent the lice from reaching the fowls again.

Disinfectants and Dips.

A good disinfectant for painting the roosts for lice and mites is made as follows: Shave a 10-cent cake of laundry soap into 1 pint of soft water. Heat until a soap paste is formed. Stir in 1 pound of commercial cresol and heat until the soap paste is dissolved then stir in 1 gallon of kerosene. For use as a lice paint apply undiluted.

Some poultry raisers rid their fowls of lice by dipping the birds in a diluted stock dip. This is probably no more satisfactory than a thorough dusting and is much harder upon the fowls. If dipping is deemed advisable the foregoing cresol formula diluted with 50 parts of water makes a good solution. Dipping should be done in the morning of a bright, warm, sunshiny day in order that the birds may become thoroughly dry before night. Ames, Ia.

SPECIAL SUBSCRIPTION BARGAIN.

The Farmers Mail and Breeze Until July 1, 1912, for Only 10 Cents.

This is a special subscription offer made to interest new readers in Farmers Mail and Breeze. Send 10 cents in stamps and get the big farm paper every week from the time your order reaches us until July 1, next. Regular price \$1.00 per year. Tell your friends about this special subscription offer. If you send in a list of four, with a remittance of 40 cents, we will give you your own subscription for your trouble. Send at once and get the full benefit of this special low offer.

The southern farm boy is showing the way to grow more of all crops on an acre.



The Pony Express A Pioneer of the Bell System

FIFTY years ago the Pony Express became the most efficient messenger service ever known.

Pony riders carried messages from Missouri to California, nearly two thousand miles across mountains and deserts, through blizzards and sand storms, constantly in danger of attack by hostile Indians.

Fresh horses were supplied at short intervals, and the messages, relayed from rider to rider, were delivered in the record-breaking time of seven and one-half days.

Railroad and telegraph took

the place of the Pony Express, carrying messages across this western territory. Today the telephone lines of the Bell System have done more, for they have bound together ranch and mine and camp and village.

This network of telephone lines, following the trails of the Indians, connects with the telegraph to carry messages throughout the world.

By means of Universal Bell Service the most remote settler is no longer isolated, but has become a constantly informed citizen of the American Commonwealth.

AMERICAN TELEPHONE AND TELEGRAPH COMPANY AND ASSOCIATED COMPANIES

One Policy One System Universal Service

This Big Leather-Bound Webster's

Two Dollar Dictionary

Sent Prepaid to Mail and Breeze Readers

FREE

Unequaled Bargain Offer

Here is a book that is constantly needed by every man, woman and child. No other one book contains so much of practical educational value.

The book illustrated here is a book such as would ordinarily retail for about \$2. It is handsomely and substantially bound in soft leather covers and printed in large, clear, easily-read type. It is just the right size for home, office or school use. It is thumb-indexed for quickly finding the word you want without any loss of time. No home library, no reading table, no student's outfit is complete without a good dictionary—and there is none other more authoritative or more complete than the famous Webster.

Beautifully bound in de luxe leather, Bible style. Contains 567 large double-column pages, printed in clear, new type. Contains nearly 40,000 words. Thousands of new terms, abbreviations, etc. Hundreds of illustrations. Red edges, with black and gold thumb-index.

I have just made one of the largest dictionary purchases ever shipped into the West—two entire car loads. I got them for a price away below the usual wholesale rate—a price so low, in fact, that I can give these books free—as long as my supply lasts—to the readers of this paper. I will send one of these big value dictionaries free and prepaid to all who fill in the accompanying coupon remitting just \$2.00 to pay in advance for a 3 years' subscription (156 big numbers) to my well known farm weekly, "The Farmers Mail and Breeze."

My supply, while large will not last long on such an offer as this! So if you want to get in on this great bargain, sign and return the coupon with \$2.00 today.

The coupon must be used, or the wording copied on a piece of letter or note paper in order to secure this special price. Renewal or extension subscriptions accepted on same terms as outlined above.

Cut Out and Mail This Coupon Today!

Arthur Capper, Publisher, Mail and Breeze, Topeka, Kansas:

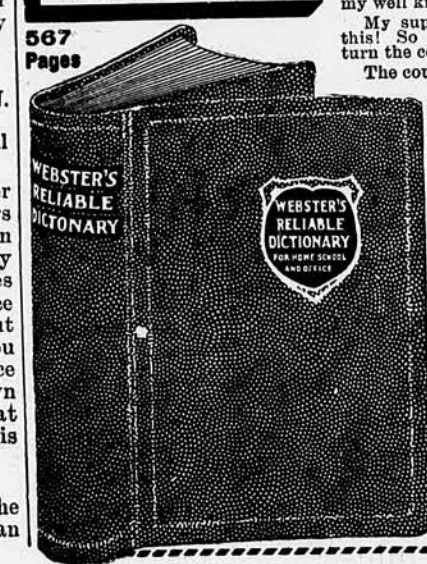
Dear Sir: I desire to accept your special offer and enclose herewith \$2.00, to pay for 3 years' subscription to Farmers Mail and Breeze, and you are to send me, prepaid, one leather-bound "Webster's Reliable Dictionary" as per your offer.

Name

Postoffice

R. F. D.

State





(Places the Charge)

Dig Ditches

WITH



Red Cross Dynamite

Costs less than half of shovel method. Ditches 100 ft. to 200 ft. long excavated in an instant. One man can do the work. No re-shoveling of dirt necessary.

Booklet Free

To learn how progressive farmers are using dynamite for removing stumps and boulders, planting and cultivating fruit trees, regenerating barren soil, ditching, draining, excavating and road-making, ask for Farming With Dynamite, No. 98.

DU PONT POWDER CO.

PIONEER POWDER MAKERS OF AMERICA

WILMINGTON, DEL.



(The Blast)

Get More Wool Get Longer Wool Get More Money

for your wool by shearing with a Stewart machine because such wool has a longer fibre. Wool buyers pay more for long staple—and you get the longest by shearing with a

Stewart No. 9 Ball Bearing Shearing Machine

This is, without question, the most perfect hand operated shearing machine ever devised. Has ball bearings in every part where friction or wear occurs. Has a ball bearing shearing head of the latest improved Stewart pattern.

Price of machine, all complete, including 4 combs and 4 cutters of the celebrated Stewart quality is

Only \$11.50

Get one from your dealer, or send \$2.00 and we will ship C. O. D. for balance. Money and transportation charges back if not pleased.

Chicago Flexible Shaft Company
218 Ontario St. Chicago, Ill.
Write for big new catalogue showing the most complete and modern line of Horse Clipping and Sheep Shearing Machines on earth.

THIS BEAUTIFUL RING FREE!

Set with four Sapphires surrounded with six bright sparkling Im. Diamonds. This is positively the most beautiful ring ever given and can be had without costing you one cent by distributing only four of our large beautiful pictures at 25c. by our special plan. We send pictures at once, all charges paid, all different. We trust you with pictures until disposed of. You can also earn Watch, Doll, Bracelet or Lace Curtains if you wish.
KANSAS ART CLUB, Dept. 27, Topeka, Kan.

Raising the Whole Hatch

Feed and Care the Baby Chick Requires

BY T. E. QUISENBERRY, MISSOURI POULTRY EXPERIMENT STATION.

[Written for Farmers Mail and Breeze.]

The baby chick should not be fed until it is at least 48 hours old. The yolk is absorbed by the chick just before it leaves the shell, and contains enough food to last the chick several days. If you feed too soon, this yolk is not assimilated, and remains in the chick. It sometimes decays and gangrene sets in and a form of diarrhea is sometimes caused in this manner. Or it sometimes remains undigested and becomes hardened.

The first food should consist of 8 parts dry bread crumbs, 8 parts rolled oats, 2 parts sifted beef scraps, and 1 part bone meal. Slightly moisten this with sour milk or buttermilk. Feed a little at morning, noon or night. Between meals feed one feed of 3 parts cracked wheat, 2 parts fine cracked corn and 1 part pinhead oatmeal. Keep the following mixture, before chicks in hopper or box:

Corn meal	3 parts
Wheat bran	3 parts
Wheat middlings	3 parts
Beef scraps	3 parts
Bone meal	1 part
Ground charcoal	1/4 part

Provide plenty of clear, fine grit from the time the first feed is given. Also

These pens have many advantages. Chicks do not get lost and are not dragged over the whole place by overly zealous hens. One may leave home for a few hours without worrying about the chicks. They may be fed and watered in the pen and nothing can molest them. In case of a storm they are always safe. I would not try to raise turkeys without them. They are so cheap and easily made, so convenient, and trouble saving that every poultry raiser, especially farm women should have them.

Pruda B. Utley.

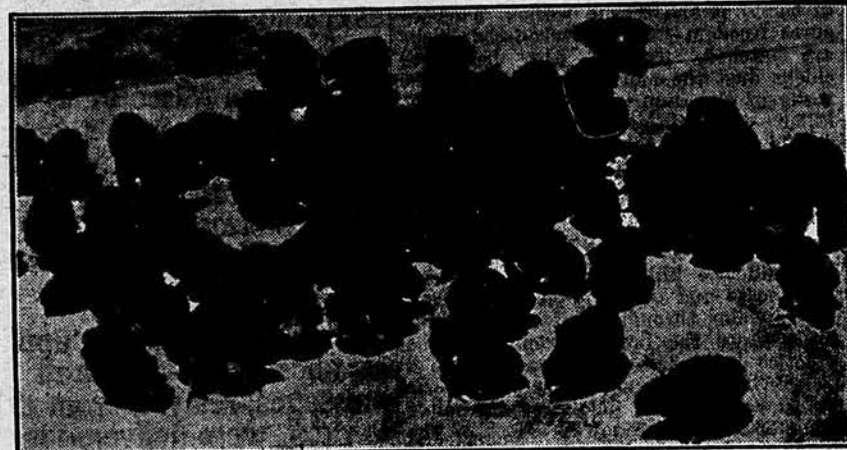
R. 5, Arkansas City, Kan.

A Silo Fact Misunderstood

WERE YOU MISLED?

A friend of Farmers Mail and Breeze takes us to task for the line which recently appeared on the cover of the silo number that, "three acres of good corn converted into silage will furnish succulent feed 180 days for 14 cows."

If the maintenance of the 14 cows for that length of time had been meant this would have been too strong a statement, a statement which the line was not intended to convey. Display lines do not



The yolk of the egg is absorbed by the chick just before it leaves the shell and contains food enough to last the chick several days. If you feed too soon this yolk is not assimilated and trouble and loss ensue.

plenty of water. After two weeks, the bread crumb mixture can be discontinued and the cracked grains and dry mash act as the whole ration. Provide a grass run or give plenty of green food. Don't overcrowd the chicks.

Disinfect your incubators and brooders. Don't let the chicks out in the dew or too early in the morning if you are troubled with gapes. Give the angle worms time to go into the ground before releasing the chicks from their coops or brooders. Fight lice and mites by painting the roost poles and nest boxes with a mixture of 1 part of crude carbolic acid and 2 parts of kerosene. Also dust the hens with a good lice powder made of 3 parts of gasoline, 1 part of crude carbolic acid, 90 or 95 per cent pure. Mix the acid and gasoline in plaster of Paris just a little at a time, and stir well until thoroughly mixed. When dry dust into the feathers and fluff of the hen.

Saving Steps and Time.

[Prize Letter.]

Mr. Editor—For the last five years I have used a device that has saved me many steps in raising chicks with hens. I have a movable pen about 4 feet square and 12 to 18 inches high, for every brood coop. These pens are made of old ceiling lath, barrel staves, poultry wire, etc., and the openings in the sides are large enough to let the chicks through but to keep in the mother. An opening is made for the hen at one side and the pen is placed against the coop which has a hole to correspond. The lighter the pens are made the better. Being easily movable they can be placed on fresh ground from time to time, on the sunny side of a building when there is a cold, north wind, or moved under a tree when it gets hot. I use these pens until the chicks are 3 or 4 weeks old and by that time both hen and chicks have become so used to them that they always return to them at night.

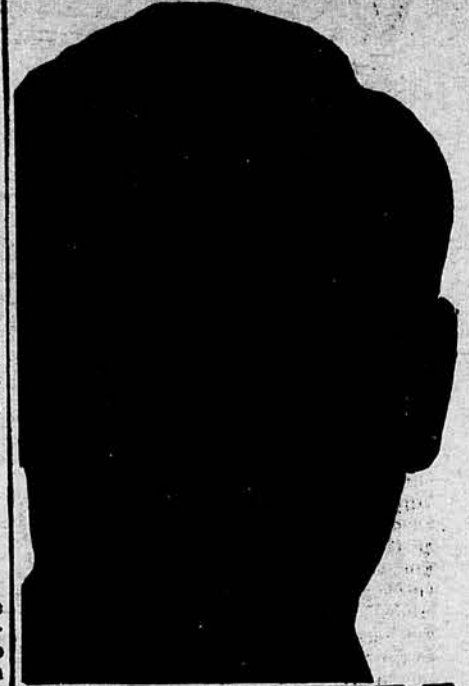
admit of going into detail. The facts on which the line was based were derived from Bulletin No. 214 of the Wisconsin station, issued July 11, 1911. The purpose of the line was more especially to show the possibilities, rather than to declare an average. On page 7 of the bulletin mentioned, is a table showing the relation of size of silo to silage to be used daily. The smallest silo in that table is for 14 cows, the silo having a capacity of 38 tons of silage, requiring according to the bulletin, "2 to 3" acres of corn at 15 tons per acre to fill. Thirty pounds of silage was allowed per animal, and the authors of the bulletin noted that "the smallest silo has a capacity of 38 tons, or furnishing succulent food (not maintenance) for 14 cows for 180 days"—which is what the table clearly shows besides.

Three acres of corn, according to these authorities, would have to yield about 13 tons per acre, which is heavy of course, but is by no means the heaviest reported. Some Oklahoma farmers report as high as 12 tons of Kafir per acre last year for silage. As intimated, this statement was not cited as a typical Kansas example, but to suggest the possibilities of corn for silage, and Wisconsin is a mighty good place to go for such information. With other desirable feeds, 30 pounds of silage per cow per day should surely be enough.

DARN YOUR OLD STOCKINGS

with the Capital Handy Stocking Darner. Fits any sewing machine. Will darn a sock or mend a hole in a grain sack in five minutes. So simple a child can use it. Mail and Breeze 13 numbers and one Darner 35c; 26 numbers and one Darner 55c; 52 numbers (one year) and Darner for \$1.00. Address Mail and Breeze, Topeka, Kan.

You can bottle up your wrath, but some fellow is pretty sure to come along with a corkscrew.



TRUTH IS GOLDEN

That is more than a proverb, Friend. It is a fact to be reckoned with in every act of business—right down to the point of buying each machine and implement for your farm.

When you know the truth—the real facts about what you buy and how you buy, it means dollars and cents in your pocket—actual gold of the realm.

You know that, I just wanted to remind you of it in connection with that Gasoline Engine you think of buying. Or that Manure Spreader or Cream Separator—or any other farm necessity.

Now then—take engines for instance.

Galloway's ENGINE FACTS

are like gold dollars to the man who gets them. Galloway runs his business on the basis that makes Truth his strongest argument. So you want to get these arguments of Galloway's before you consider buying any engine, anywhere from anybody.

Save \$50 to \$300

That's one of Galloway's Golden Truths. He is \$50 to \$300 below your dealer, quality considered, because Galloway's is a factory price, based on tens of thousands of sales every year.

That's why jobbers and retail dealers rap Galloway so hard when they get a chance. But when a dealer says, "Galloway has no factory"—"Galloway is on his last legs"—or "Galloway stuff is poor quality"—just laugh and remember that he is either ignorant or he is wilfully and maliciously trying to mislead you for his own gain.

Galloway's direct dealing methods are hard on the middlemen—yes. But they are easy on the farmer. And where there is one dealer there are a hundred farmers. Galloway's idea is "the greatest good to the greatest number."

If Galloway wants to save you \$50 to \$300 on an engine, according to size, is it the dealer's business to prevent you saving that money?

If Galloway offers you 30, 40 or 50 days' trial, no money risked if you are not pleased, is it the dealer's business to keep you from that satisfaction?

If Galloway gives the longest, surest, most binding guarantee, is it the dealer's business to keep you from this complete protection?

This is the situation, Friend, and it's all up to you. CAUTION. Look out.

There are three kinds of engines: the too cheap kind, which you don't want at any price; they won't and can't last—such as are offered by merchants and jobbers, some of whom go under the name of manufacturers who have no factories at all; the too high priced kind which have got to come down, because the value simply isn't there; the just right kind, like the Galloway, which have all the quality of the too high priced kind, but on account of being sold direct all sizes are sold at a very low price.

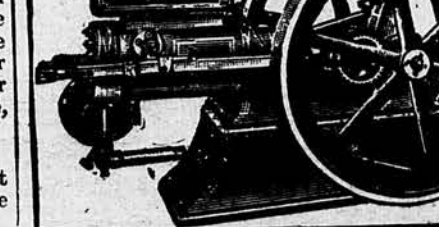
John Kienl, Portland, Ore., writes: Referring to the G. H. Galloway Engine, will say that I am well satisfied with it. I gave one of my neighbors the privilege to try it. The neighbor concluded to order a Galloway at once—and why? Because he was pleased with the engine and can save \$75 to \$100. You have treated me fair and square always. Write Galloway today. Get his big catalog with hundreds more letters of proof. Also without any further effort on your part he will send you his new five color general line catalog—new, different and original. Simply address a postal to

WM. GALLOWAY, President

The Wm. Galloway Company

205 AU Galloway Station Waterloo, Iowa

A Personal Word—I want ten or more engines in every township. Get my special proposition now. It will pay you.



What Farmers Are Thinking

Readers of Farmers Mail and Breeze are cordially invited to air their opinions in this column if they can do it briefly. Say what you want to say, but say it short.

Farmers Should Stand by Capper.

Mr. Editor—I am in favor of Arthur Capper for governor because of the principles set forth in his platform, for the things he advocated in his speech at Garnett, for his frank and outspoken sentiments regarding bootleggers and other lawbreakers, and last but not least, for the stand he takes on the cutting down of taxes by weeding out high-salaried, superfluous pap-suckers, leeches and hangers-on to public jobs. If the farmers of Kansas wish to vote for their own interests, regardless of political opinions, if they want a clean, honest, and careful yet progressive and fearless man at the head of our state administration, they will help roll up the biggest majority for Arthur Capper next November, that was ever polled for a governor of Kansas.

H. W. Prouty.

R. I. Hesston, Kan.

Coyotes Preferred to Jackrabbits.

Mr. Editor—In a recent issue of Farmers Mail and Breeze I read the complaint of the Lawrence man in regard to the loss of sheep through dogs and coyotes. To make a success with stock of any kind a man should have proper shelter for them at night and no coyote or dog will get into a field with a 4-foot net wire and a barb wire over this or about it. We have a dog law now that is adequate if enforced and what we really need out here is more coyotes to clean out the jackrabbits. Jackrabbits are a far worse pest than coyotes and the damage they do to crops out here is almost unbelievable. The dog and coyote story would be very mild compared to what might be charged against jackrabbits.

V. B. Howey.

Jetmore, Kan.

Dangerous Side of City Life.

Mr. Editor—I notice in the issue of March 16 that George Schaefer of Neosho Rapids is going to move his family to the city because he says the city folks have the best schools, the best teachers, the best theaters, etc. All of which is true, but he will also find when he gets there that the city has the finest line of temptations and pitfalls for young people ever conceived. Many a country family has found this out to its sorrow and many another will find it out. Brother Schaefer does well in holding on to his 350-acre farm for he may want to move back on it after a year or two of life in the city.

John Collyer.

No Improvement in Road Work.

Mr. Editor—Why have the country roads deteriorated so much since we taxpayers have had to pay all road taxes in cash with tax higher at the same time? There was a time when we could work out a part of our land tax on the roads and very often a half day or a whole day was thrown in gratis, but since it is all cash there is nothing doing.

J. F. Timmons.

R. I. Bonner Springs, Kan.

Need of Public Money at Low Rates.

Mr. Editor—What the average farmer needs is plenty of good reading matter, like Farmers Mail and Breeze, with which he can educate himself. For one thing we need a good governor in Kansas. We also need a strict law for a low rate of interest that will enable people to borrow money to buy their necessities. The government has established postal savings banks. What we need now is that these banks should lend money to the people at the same rate of interest they do to banks.

William Brugger.

Baxter Springs, Kan.

Only the Farmer Goes It Alone.

Mr. Editor—Our one great need today is co-operation. Every business or trade except farming has its unions. The manufacturers of farm machinery find it cheaper and more economical to stand together, for by so doing they dispose of

Buy a Used Car on Time Payments

Special Discount of 33% for 30 Days

Last week we made public those reasons why this company is able to buy the best used cars on the market at our own figures and sell at prices which only the dealers have been allowed in the past.

The public evidently had been waiting for just such an announcement from a responsible house. The response has been surprising.

But see what happened. The announcement not only brought immediate sales but produced an opportunity for us to buy at astoundingly low prices a round dozen standard cars in good running order and equipped.

We bought them from people who agreed to sell at a tremendous sacrifice on condition that we pay cash. We paid cash and we can now sell at prices that are so remarkable that no further comment is necessary.

We challenge you to find any new car selling within \$500 of these prices that will compare with these in value.

Here They Are—Not One Over \$500

BARGAIN No. 10
 Original Price as Equipped \$2500
 Original Price as Equipped \$500
 Breston, Collins, 1910, 5 pass. touring. This car is one of best equipped on market. Mohair top, glass front, lamps, horn, good tires and tools. Brewster green with cream gear, recently painted. Used only one season. This is our best bargain. Special price.....

BARGAIN No. 16
 Original Price as Equipped \$2200
 Original Price as Equipped \$225
 Mitchell, 4 cylinder, 30 h. p., 5 passenger, with top, glass front, speedometer, lamps, fair tires, good mechanical condition and good appearance. Special price.....

BARGAIN No. 11
 Original Price as Equipped \$1500
 Original Price as Equipped \$175
 International, high wheels, soft tires, 4-pass. Would make an excellent delivery wagon. Equipped with top, lamps, speedometer, horn and tools. Repainted and overhauled. Spec. price

BARGAIN No. 17
 Original Price as Equipped \$2500
 Original Price as Equipped \$495
 Mitchell, 1908, five passenger, four cylinder, with magneto. Full equipment. Repainted and overhauled. Special price.....

BARGAIN No. 12
 Original Price as Equipped \$3000
 Original Price as Equipped \$475
 American Moss, 7 passenger touring; fully equipped, overhauled and painted; good tires all around. Special price.....

BARGAIN No. 18
 Original Price as Equipped \$1750
 Original Price as Equipped \$425
 Crawford, 1908, 5 pass., 4 cylinder with magneto. Equipped with mohair top, glass front, speedometer, lamps, horn, and tools. Fair tires, good mech. condition. Special price.....

BARGAIN No. 13
 Original Price as Equipped \$4500
 Original Price as Equipped \$495
 Stearns, 1907, 50 h. p. 4 cylinder with magneto, double chain drive, ideal for truck purposes. Good mechanical condition; good tires. Special price.....

BARGAIN No. 19
 Original Price as Equipped \$2350
 Original Price as Equipped \$275
 Corbin, 4 cylinder, air cooled runabout, excellent appearance and good mechanical condition, good tires, top, glass front, lamps, horn and tools. Special price.....

BARGAIN No. 14
 Original Price as Equipped \$1750
 Original Price as Equipped \$275
 Studebaker, Electric Victoria, batteries and motor in good order. Good appearance. Tires in excellent condition. Special price.....

BARGAIN No. 20
 Original Price as Equipped \$3500
 Original Price as Equipped \$375
 Packard, 5 pass. combination runabout, 4 cylinder, top glass front, lamps, bumper, horn, tools, good mechanical condition, fair tires. Repainted. Special price.....

BARGAIN No. 15
 Original Price as Equipped \$2650
 Original Price as Equipped \$475
 Great Smith, 1909, 6-pass. touring, 4 cyl. with magneto; completely rebuilt and repainted; equipped with new top and dust cover, wind shield, speedometer, horn, lamps, and tools. 84x Q. D. Tires. Good condition. Color, dark blue. Special price.....

BARGAIN No. 21
 Original Price as Equipped \$1550
 Original Price as Equipped \$375
 A 1500 pound delivery car, 1908 model standard make; panel top body. Ideal for Laundry, Bakery, Grocery or Confectionery. Very good mechanical order. Just repainted. Spec. price

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To prove to you our ability to substantiate the above facts and to give you an opportunity at once

to buy a used car from a responsible house at a BIG SAVING we will for the next thirty days sell any car in our stock at 33% per cent off the price you would have to pay for a car of the same type in the same condition elsewhere.

The M. E. Dalton Company
 (INCORPORATED)
 1462-64 Michigan Avenue, Chicago, Ill.
 Telephone, Calumet 3000

REFERENCE—The Corn Exchange National Bank

Tear off the Bargain Coupon now — place it in an envelope and address it to us. You must act quickly. These prices are made to bring quick sales.

The M. E. Dalton Co., Inc.,
 1462-64 Michigan Avenue, Chicago

I am interested in Special Bargain No. — and want full description of this car at once. If this car is already sold send me full particulars about the next best bargain below the following price, \$.....

Name.....

Town.....

State..... D8

competition which gives them the advantage over the buyer, the farmer. Packers, cream buyers, grain buyers and retailers find they can set prices, whether buying or selling, by organizing. Labor

unions compel respect and a square deal from employers. Wherever found union stands for protection against outside individuals or forces. The farmer stands alone today, as the only unprotected in-

dividual among them all. Why cannot the intelligence of today bridge this gap and place the farmer of tomorrow under protection?
 B. L. Swarens.

R. 3, Hutchinson, Kan

Feeds & Feeding

QUESTIONS ANSWERED
by Prof. G. C. Wheeler
(Address queries to Farmers Mail and Breeze)

All Matter Contributed to this Column by Prof. Wheeler, Expert in Animal Husbandry, Extension Service, of Kansas Agricultural College, Bears His Signature.

Cost of Cement Silos.

What would be the cost of a cement silo 14 by 30 feet in size? Does it often happen that they crack? What of the life of a silo built of fir?—C. U. P., Garnett, Kan.

A cement silo 14 by 30 feet can be built for \$250 or \$275, depending largely upon the cost of the material. Properly reinforced concrete silos do not crack and never have. A report of the cement silos built under college direction appeared in the special silo number of Farmers Mail and Breeze March 16. The average life of a wood silo is about 10 years. When constructed of Oregon fir and properly cared for they will probably last considerably longer, barring accidents. G. C. Wheeler.

Feeding Cottonseed to Horses.

Is cottonseed cake as good a feed for mares in foal and colts, as oilmeal cake? Will it cause blindness in horses, as in cattle? I thought of feeding it as about a tenth of the grain ration, as it contains about the same protein as oil meal. It is bought twice as cheap, but if it is likely to cause trouble I do not want to feed it.—M. B. Fowler, Kan.

Cottonseed cake has been used successfully in the South to a considerable extent for feeding work horses. Daily rations have been used containing as much as 2 pounds of the meal, for draft horses. Judge Henry C. Hammond, of Georgia reports that he has fed about 1 pound of cottonseed to colts, brood mares, driving and work horses for years. He has never had any sickness resulting from the meal and has found that the style, action and health have been all that could be desired. It has never been fed alone but has always been carefully mixed with some light concentrate. G. C. Wheeler.

Sorghum and Kafir Silage.

I always plant 10 to 15 acres of sorghum with a lister and I feed large amounts of this green when grown to full maturity and full of sugar, with excellent results. The yield is from 15 to 22 tons per acre and its value far exceeds that of green corn with the ears removed. How would the value of silage made from this sorghum correspond with the green material? Would the quality of the silage be increased by putting in alternate loads of sorghum and Kafir? The period that the sorghum and Kafir would be in prime condition to go into the silo is four times as long as that of corn thus reducing expense at filling time and the yield of feed would be from two to six times as great as that of corn. I feed cattle for market and am feeding corn every day so would use the silage merely as a conditioner and filler.—A. R., Peabody, Kan.

Silage does not have quite as high a nutritive value as the same material when fed in the fresh green succulent form. The silo is simply a means of retaining this high value which the fresh feed possesses, to as great a degree as possible. There is an actual loss in dry matter during the process of preserving feed in the silo of 5 to 6 per cent. The figures refer to the use of corn as a silage crop. Where sorghum is used the per cent of dry matter actually lost will probably be somewhat greater since this plant contains a large amount of sugar which is readily changed to acids during the process. Clear sorghum does not make as good a silage crop for this reason. A silo 16 by 30 feet was filled with sorghum at the Manhattan Experiment station last fall, the resulting silage being of very good quality. It has been eaten greedily by the cows with absolutely no waste, and although slightly more acid than corn silage, has produced no bad results. The non-saccharine sorghums like Kafir make a splendid quality of silage. Under your conditions the growing of the sorghum and Kafir for silage purposes would be a good thing, and a combination of the two would give you a greater feed value per acre, for your purpose, than the use of corn alone. The period through which these crops are in prime condition for the silage is a very important consideration.

A long series of experiments have been conducted by some of our experiment stations, especially that of Indiana, testing the value of silage in beef production. The tests all show that the grain of the crop is fully as valuable in the

silos as when fed separately. In all probability the grain of the Kafir will produce better results fed in the form of silage than where used separately. The grain of Kafir, to give best results under ordinary methods of handling, must be headed, threshed and ground. In the silage the small hard grains are softened and so mingled with the whole mass, that when consumed by the cattle they are almost perfectly digested. There is no question but that the cattle feeder will greatly enlarge the beef-producing capacity of his farm by using the silo to conserve these coarse forage crops in the palatable and digestible form. The dry, unpalatable condition of cured roughage of this kind is the most difficult proposition the cattle men have to contend with. The use of the silo overcomes this difficulty and makes it possible to secure large returns from what has been commonly considered very low grade feed. The silo number of the Mail and Breeze (March 16) contains an article entitled, "Beef Making With Silage," treating of this question you have brought up. G. C. Wheeler.

A BIG-VALUE BOOK OFFER TO MAIL AND BREEZE READERS.

"Kansas in the Sixties," by Ex-Governor Samuel J. Crawford.

The story of "Kansas in the Sixties" as told by Samuel J. Crawford, famous as the "War Governor of Kansas," is by far the most interesting historical work ever produced in Kansas. The book is having a large sale all over the country and it deserves a prominent place in the library of every Kansan. It contains something of vital interest to every citizen of the state. Governor Crawford writes in a style peculiarly his own and there is not an uninteresting paragraph in the whole 400 pages of this great Kansas book.

"Kansas in the Sixties" is substantially and handsomely bound in cloth, indexed, and sells for \$2.00 in all the book stores.

We have secured a quantity of these books for distribution among Mail and Breeze readers on this very liberal offer:

Farmers Mail and Breeze one whole year and "Kansas in the Sixties" sent prepaid for only \$2.00—regular price, \$3.00. Send in your subscription or renewal while this offer is still available. Address Mail and Breeze, Topeka, Kan.

A rainy day is a good time to repair and oil up the harnesses and so be ready for the first day of spring work.

Long, Low-Cost Service Makes the Empire Line Supreme



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THE price you pay for a cream separator doesn't count. What really determines its worth is the Service it gives, and what that service costs you. Paper claims are nothing—Farm Tests are what decide.



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Was The Average Cost For Repairs on Each of The Thousands of Empires In Use Last Year.

This actual LINE of Highest Quality EMPIRE CREAM SEPARATORS, has the Separator you know you want in it. They meet every requirement, and have astonished thousands by their long life, their ease and their economy. Facts to make and save money for you are free. Get Them.

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GATES

Let me ship the gates you need for 60 days free inspection and trial. Save from \$50 to \$250 on your gate purchase. Iowa Gates are made of high carbon steel tubing and large stiff No. 9 wires. Rust proof—wear proof. Write for my special proposition today. Complete galvanized frame, also painted gates cheaper than ever before. Jos. B. Clay, Manager, IOWA GATE CO., 23 Clay Street, Cedar Falls, Iowa



Bees on the Farm "Gleanings in Bee Culture" will help you get more pleasure and more profit from Bee keeping. 6 months trial subscription 25c. Book on Bees and Catalog of Supplies sent free. THE A. I. ROOT COMPANY, BOX 219, MEDINA, OHIO.

Farmers Sons Wanted with knowledge of farm stock and fair education to work in an office; \$20 a month with advancement, steady employment, must be honest and reliable. Branch offices of the association are being established in each state. Apply at once, giving full particulars. The Veterinary Science Association, Dept. 22, London, Canada.

Turn More Food Into Muscle

Scientific stock raisers, writers and veterinarians all agree that, ordinarily, nearly half of a horse's ration is wasted. This would be most serious if there was no remedy, but thanks to "The Dr. Hess Idea" of feeding, some of this waste can be stopped. On account of the small ration of the horse as compared with the milk cow or steer, it is of the utmost importance that the horse's digestive organs be carefully nurtured, to enable it to get the most nutrition from its food.

DR. HESS STOCK TONIC



will accomplish this end, because it strengthens the horse's digestive organs, assisting the stomach to assimilate the ration more thoroughly and convert the nutritious elements into muscle and flesh. For this same reason Dr. Hess Stock Tonic is good for fattening steers, hogs and sheep, and increasing cows' milk production. The use of this tonic and conditioner will keep all your farm stock strong and healthy. Sold under this written guarantee.

Our Proposition—You get of your dealer a 25 lb. pail of Dr. Hess Stock Tonic at \$1.60 or 100 lbs. at \$5.00. (Prices slightly higher in Canada and the extreme West and South.) Use it all winter and spring. If it don't pay you and pay you well, get your money back. Every pound sold on this guarantee. If your dealer cannot supply you we will.

Free from the 1st to the 10th of each month—Dr. Hess (M.D., D.V.S.) will prescribe for your ailing animals. 96 page Veterinary Book free for the asking. Mention this paper and enclose 2c stamp.

DR. HESS & CLARK
Ashland, Ohio

DR. HESS POULTRY PAN-A-CE-A. A fowl tonic and egg producer. An absolute necessity to the setting hen. Makes the young chicks grow rapidly, prevents leg weakness, cholera, roup, gapes, etc., and cures minor poultry ailments. Been 18 years on the market under the most liberal guarantee. A penny's worth feeds 30 fowls per day. 1 1/2 lbs. 25c, mail or express 40c; 5 lbs. 60c; 12 lbs. \$1.25; 25 lb. pail \$2.50. (Except in Canada and extreme West.) Send 2c for Dr. Hess 48 page Poultry Book Free.

INSTANT LOUSE KILLER KILLS LICE



Dairy Farming

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

This department aims to be a free-for-all experience exchange for our folks who keep milk cows. We are glad to hear from you often. A Mail and Breeze subscription and other prizes awarded each week for helpful or interesting letters or bits of dairy news.

Let the young calves have plenty of sunlight.

The cleanly dairyman keeps the dirt out of the milk rather than strains it out.

It is better to have a dirty floor than a dirty, dusty atmosphere during milking time.

Letting the calf suck the cow the first day or two lessens the danger of milk fever.

The best method of dehorning is to rub a little caustic potash on the calf's little knobs when a few days old.

To keep up a heavy milk flow a cow must have all the water she can drink for every 100 pounds of her milk contains 87 pounds of water.

A vessel which would hold 1,000 pounds of water would hold 1,032 pounds of whole milk, 1,038 pounds of skimmilk, or 1,000 pounds of good cream.

When cream foams in the churn and butter will not come, put in a handful or two of salt and a little water, slightly warmed. This usually remedies the trouble.

Where there is hardly enough milk from a single milking to make separating worth while it may be set away until next milking time when the cream should be thoroughly stirred in and the milk warmed up before running through the machine.

Good Wages From Six Cows.

[Prize Letter.]

Mr. Editor—During 1911 we sold milk to a middleman at 17 cents a gallon for six months and at 14 cents for the other six months. At the end of the year we had sold \$714 worth of milk from six cows, of mixed breed. We fed these cows the entire year, giving each cow 1 1/2 gallons of bran twice a day. We also fed oilmeal, beginning with a pint each per day and gradually increasing this to a quart. The cows were on prairie grass pasture during the summer and had plenty of water pumped from a well which I believe had a great deal to do with keeping up their milk flow during the hot summer months. During the winter we let them run on stalk fields and fed prairie hay.

We are selling milk again this year but have changed our bran and oilmeal ration to one of 1/2 bushel cottonseed hulls, 1/2 gallon shorts, and 1/2 gallon oilmeal per cow per day. This is giving splendid results and the milk tests 5 per cent butter fat. We have also been feeding a little cane hay with the other roughage. On cold nights the cows were kept up but when the weather was mild

15.95 AND UPWARD AMERICAN SEPARATOR

THIS OFFER IS NO CATCH. It is a solid proposition to send, on trial, fully guaranteed, a new, well made, easy running separator for \$15.95. Skims hot or cold milk; making heavy or light cream. Designed especially for small dairies, hotels and private families. Different from this picture, which illustrates our large capacity machines. The bowl is a sanitary marvel, easily cleaned. Gears thoroughly protected. Western orders filled from Western points. Whether your dairy is large or small, write us and obtain our handsome free catalog. Address: **AMERICAN SEPARATOR CO. BAINBRIDGE, N.Y.**



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There are well organized milk routes out from Oklahoma City which is 11 miles from us and our milk goes direct to the city each morning where it is retailed at 7 and 8 cents per quart to the consumers. Mrs. Tom Mulligan. R. 8, Oklahoma City, Okla.

Dried Blood Does the Work.

Seeing the inquiry of W. H. E., Glencoe, Okla., regarding a remedy for calf scours, G. G. Burton who lives near Topeka visited the office of Farmers Mail and Breeze one day last week to add his testimony to the efficiency of dried blood as a remedy for this trouble. He says he has found it a very dependable cure and brought with him a sample of the blood meal he uses such as can be bought at the feed stores. He also added that a little castor oil is good following the blood meal and that cleanliness will go a long way in preventing calf scours.

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For the purpose of quickly securing new and renewal subscriptions to the great Kansas weekly, the Farmers Mail and Breeze, that paper has made arrangements to give away 5,000 of the latest official wall maps of Kansas and United States with the 1910 census complete.

This home, or office, library wall map is now the latest and best map of Kansas and United States to be had at any price. It is 28x36 inches in size, splendidly colored with beautiful half tones on the heaviest enamel paper. It shows the newest railroads and every postoffice and contains a complete index of the population of every city or town in the State.

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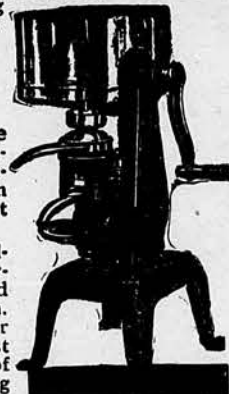
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Beautifying the Home Yard

WAYS AND MEANS.

[Prize Letter.]

Mr. Editor—Nothing makes a home so attractive as a well kept lawn with a few trees, shrubs and flowers in it. Plant the shrubs in groups in corners, around the house, and as screens to shut off undesirable views. Scattered, aimless planting is not effective. Flower beds should be placed at the sides and in corners. Keep the center of the lawn open. Avoid overplanting. The farm yard should not be patterned after city properties unless you are able to keep a gardener to take care of it.

Miss Josie Maxwell.
R. 1, Wetmore, Kan.

Overplanting to Be Avoided:

[Prize Letter.]

Mr. Editor—I know of a good many front yards that were planted full of cedar trees several years ago. While they were small the effect was not so bad, but now that they are large they are shutting out all sunlight and air and are almost obscuring the house from the road. I know of a lovely lawn where the farmhouse stands well back from the road on a gentle slope. Back of the house are a few clumps of native trees such as cottonwood, cedar and hackberry. They are not set out in stiff rows, but scattered about as if Nature had planted them. The front yard is almost entirely covered with Bermuda grass, which is the ideal lawn grass for Oklahoma. Along the front border next the road is a tamarax hedge and at the sides are a few rose bushes and hardy shrubs. This is all, but it is beautiful.

E. S.
Lenora, Okla.

Fence and Cement Walks Help.

Mr. Editor—To make a lawn more sightly plow and top dress it with manure, then harrow well to get the soil firm and sow Kentucky bluegrass. Do not fill the lawn with rose bushes and lilacs, as these interfere with mowing the grass. One or two well kept flower beds and some shrubs may be placed about the edges, some water elm trees on the south for shade and evergreens on the north for protection and a wind-break. A cement walk and neat fence in front also help out wonderfully in appearance.

W. H. Williams.
Toronto, Kan.

How to Get a Sod Started.

Mr. Editor—Grade up the ground and fence the lawn to keep out stock and chickens. Then sow plenty of bluegrass seed and top dress the ground with the manure spreader. Harrow or rake manure and grass seed in together, which eliminates the wheel marks. In addition to sowing grass seed we set some pieces of grass sod about every 4 feet, tamping each piece down well so it will be a little below the surface. Also set a row of sods around the house. It is surprising how quickly one can have a nice lawn in this way.

G. R. Schultz.
R. 3, Lawrence, Kan.

Only Evergreens for Shade.

Mr. Editor—My idea of a pretty farm yard would be a plot of ground about 90 by 170 feet in size with a front lawn about 90 by 90 feet. Have it graded so as to drain well and sow it to Kentucky bluegrass. I would put out six cedar trees along the front border, keeping them trimmed to some ornamental shape and not letting them get very high. Along the side borders I would have ornamental shrubbery and roses. For shade I would suggest pine trees, as they do not litter up the yard with leaves. In the back yard some beds of flowers bordered with lilies and sweetpeas would look well.

Mrs. Rose Burkhart.
Mountain View, Okla.

Have Several Flower Beds.

Mr. Editor—For a small country home I think a lawn about 100 by 200 feet is a good size. Have the ground slope away from the house by grading it and filling in with rich earth. Work up the ground with a disc harrow, smooth and sow to bluegrass and white clover. A few elm or maple shade trees in the front will help the looks of the yard and there should be one or two flower beds with flowers blooming in it all summer. A flower bed and shade tree on either side of the house, plenty of shade trees in the back yard and a row of rose bushes along the back fence completes the arrangement. The yard should be arranged so the house will stand about in the middle.

Selma, Kan. Cora Atwater.



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Grown from Grand Prize Bushel for Which I Paid \$280.00

Two Pounds FREE To Each Subscriber

I am reproducing here a photograph of the world's best bushel of Seed Corn—the bushel which was awarded first prize at the National Corn Exposition, Omaha, Nebraska, and which I purchased for \$280.00 cash. I gave some of this seed corn to Mr. H. V. Cochran, one of the most expert seed corn growers in America, and the seed which I offer here was grown from the prize bushel and you will find it the equal of the original bushel, which brought perhaps the highest price ever paid for a bushel of seed corn.

The corn is a large pure white, deep grain, matures in less than 100 days and is an extra heavy yielder. I believe this to be the greatest opportunity ever presented for the readers of my paper to make a record increase in the quality and yield of future corn crops. The way to improve the corn crop is by the use of high-bred seed—and here is seed which I believe cannot be equaled by any other matter what the price. A few pounds of this seed should bring enough fine quality seed to plant your entire acreage next year.

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Ten Eyck's Replies
TO FARM QUESTIONS

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

Will Old Seed Mature a Corn Crop?
We have corn that was raised in the year of 1910 and corn which was grown in 1911. We have tested both; the 1910 corn came up and has a healthy stalk while the 1911 has a sickly look. Will the old corn germinate and mature better than the new? We have heard that old corn would grow to a certain stage and then stop its growth and never mature.—B. B., Meriden, Kan.
The old corn which shows a strong germination is the preferable seed to plant. There is no authority for the statement that old corn which is strong in vitality and which makes a healthy sprout will not mature a crop.
A. M. TenEyck.


What Crop to Precede Fall Wheat?
Would like a little information through the columns of the old reliable Mail and Breeze. I have 20 acres of good level up-land pasture which I intend to break this spring. Would like to know what would be a good crop to put on this land preparatory to putting in wheat this fall. Have thought of planting millet and cowpeas.—E. J. K., Agenda, Kan.
Cowpeas or millet are well adapted for planting on sod and if you take the crops off early for fodder you may prepare a good seedbed for sowing fall wheat by disking and harrowing. Would not advise to replow in the fall but break rather deeply this spring, and prepare a good seedbed for millet and cowpeas, by thorough disking.
A. M. TenEyck.

Thickening a Thin Stand of Alfalfa.
I sowed about 17 acres of alfalfa last fall, the latter part of September, which came well and made a good stand but I fear the hard freezing and wind in January killed considerable of it. If I find that the alfalfa is thin in spots, what would you think of my harrowing this lightly and then partially reseeded it?—G. F. C., Bonner Springs, Kan.
You sowed alfalfa too late last fall to insure a strong enough start for the young plants to stand the winter. The best plan is the one you propose. If the alfalfa is too thin, harrow as early as the soil is dry enough and reseed, sowing 4 to 8 pounds per acre as required, harrowing again lightly, after seeding.
A. M. TenEyck.

Grasses for Western Kansas?
Please send me Bulletin No. 175 on Grasses. How late can the grass seed be sowed in the spring for pasture? Will any time in spring do?—G. W. H., Belvue, Kan.
I am mailing Bulletin No. 175 on Grasses. I hardly know what grasses to advise you to sow in Edwards county. None of the domestic grasses are well adapted for growing in your part of the state. I think it would be advisable to try the Hardy Bermuda grass in a small way, planting the roots. See page 376 in the bulletin sent you. Also write to the Oklahoma Experiment station for bulletin and addresses of growers from whom you may secure roots.
You might grow Bromus inermis and alfalfa. See page 303. If the soil is in good condition and there is plenty of moisture I should advise early spring seeding. Often, however, rather late seeding is preferable in western Kansas, as late as the middle of May. Get the seedbed ready early and sow soon after a good rain when the soil is in good condition and moist enough to germinate the seed.
A. M. TenEyck.

Kafir, Cane and Cowpeas for Silo.
I want to experiment with cowpeas or soy beans with Kafir or cane for silage. What varieties are best adapted to grow and mature together? The idea is to fill the silo at once after starting and I want to raise both cane and Kafir, but am not thinking of planting cane and Kafir together unless there is an advantage.—D. S. T., Protection, Kan.
Kafir makes better silage than cane. Cane becomes too sour and makes a sloppier, more washy feed than Kafir. A combination of cane and Kafir will make a better quality of silage than Kafir alone, and you may grow Kafir and cane together in the same row with good results, but it is not advisable to plant cowpeas in the rows with either cane or Kafir, since if there is a good stand of the sorghum as there should be, the cowpeas will be smothered out or make a dwarf and unprofitable growth.
The cowpea-Kafir silage is all right and more valuable for feed than Kafir

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Make Up Lost Time
Hatching Chicks.
The sure way to poultry yard profit, after this unusual backward season, is by the use of Fairfield Incubators. No matter if you never saw any kind of an incubator before, the **FAIRFIELD** will not fail you. Prices are low. You do not need to mortgage your poultry prospects, even for one season, to own a **FAIRFIELD** outfit.
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We are entirely satisfied with piano and with dealings with you. The piano looks and sounds as well as when we bought it and has not been tuned in the meantime.
Hoping you continued success in your business. I am,
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Just think, only one of your cows would furnish the small sum required to buy an Elburn. Practically no sacrifice at all. And the pleasure the piano would bring into your home would be worth twenty times this insignificant sum. Let us send you an Elburn on free trial. You won't need to pay a cent unless you are entirely satisfied with it. If all of your friends don't say it is one of the handsomest pianos they ever saw and is worth every cent we ask you can send it back. We'll stand all of the expense.
We have hundreds of letters like the one quoted in this advertisement. Piano experts all over the country have congratulated us on being able to sell such a piano for so little.

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OUR LATEST Save-The-Horse Book—Is our 16 Years' Experience and DISCOVERIES—Treating 87,504 Horses for Ringbone—Thoropin—SPAVIN—and ALL Shoulder, Knee, Ankle, Hoof and Tendons Trouble—It is a Mind Settler—Tells How to Test for Spavin—What To Do for a Lame Horse.
IT COVERS 58 FORMS OF LAMENESS—ILLUSTRATED
NOTE THE WORK THIS HORSE DOES IN FIVE DAYS.
Mr. R. H. Williams, of Sykesville, Md., Jan. 13, 1912, writes: "Troy Chemical Co., Binghamton, N. Y.—Have used Save-The-Horse five days; it is wonderful. The horse was unable to put heel to the ground, when walked she would barely touch toe and then jump with other foot. I gave first treatment Sunday. I put her in team Thursday and went for load of wood; got in place where they had to do their best or stay there. She lifted as hard as ever I saw her. Expected to see her lame next morning, but she was not. How long shall I continue to treat her? WE Originated the Plan of—Treating Horses by Mail—Under Signed Contract to Return Money if Remedy Fails. Our Charges Are Moderate. But first write describing your case, and we will send you—BOOK—Sample Contract, and Advice—ALL FREE to (Horse Owners and Managers—Only)—PUT HORSE TO WORK AND CURE HIM NOW. Write! AND STOP THE LOSS.
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alone, but you had better grow the crops separately and mix them at the silo at harvest time. The Whippoorwill cowpeas planted the last week in May will mature for silage at about the same time as Kafir planted at the same date. It is possible to plant and grow corn and cowpeas together in the same row as you have described and harvest and silo the combination crop, since corn is not so rank a grower or so strong a feeder as cane or Kafir. By very thin planting of Kafir and cane with cowpeas, it is possible to secure some growth of cowpeas but a larger yield and a better quality of cane or Kafir fodder will be produced by thicker planting, and the cowpeas will produce a larger yield when planted alone and given proper cultivation.

I am mailing Bulletin No. 160 on cowpeas and circular letter on Kafir culture, and crops for the silo.
A. M. TenEyck.

Corn and Peas for Fodder or Silage.

Please send me Bulletin No. 160 on cowpeas as I want to try planting some with corn.—P. C. C., Hamilton, Kan.

The method used at the Agricultural college, Manhattan, is to plant corn and cowpeas together at one operation with the ordinary corn planter or lister planter, or it is possible to use the grain drill by stopping up part of the seed cups. If the lister is used do not list too deep. I prefer to use the planter with furrow opener attachments.

Mix the corn and cowpeas about equal parts by weight. Use the 16-cell plate and highest gear on the planter or lister. And it is better to file out the cells in the plate making the notches as long as possible. The machine arranged in this way will plant at about the right thickness, the kernels of corn averaging 16 to 18 inches apart and the cowpeas 5 or 6 inches apart in the drill row. The combination seed may be planted with a grain drill at the required thickness by carefully adjusting the feed gauge.

Plant Whippoorwill cowpeas or a variety of similar maturing season with a medium or medium early maturing corn

which matures in 110 to 120 days. Such as Boone County White, Leaming or Reid's Yellow Dent. The New Era cowpeas are not well adapted for growing with corn because this variety does not twine about the stalks. Also, it matures too early to plant with the varieties of corn I have named.

The combination crop should be planted rather late in the season, about the last of May in your section, because the cowpeas will not start well until the weather is warm, and if planted too early, they make a slow or dwarf growth. But if the two plants start together late in the season when the soil is warm, they grow equally well, the cowpeas twining about the stalks of corn and growing as high as the stalks.

This crop should be cut for fodder or silage when the first pods of the peas begin to turn yellow, and when the corn is in the dough or glazed stage.
A. M. TenEyck.

Sow Soy Beans or Cowpeas?

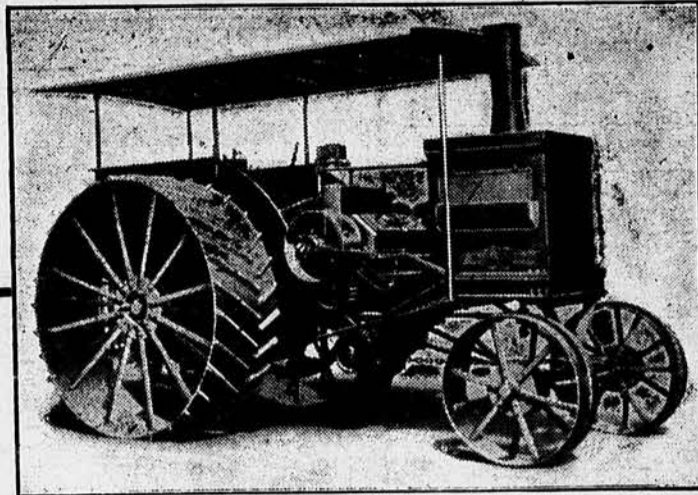
Which is the better in Butler county, soy beans or cowpeas?—O. L., Leon, Kan.

I prefer cowpeas to soy beans for planting in Butler county. Cowpeas are hardier and the better forage plant and also the better soil fertilizer and easier to grow than soy beans.
A. M. TenEyck.

Cowpeas for an Orchard Crop.

Are cowpeas a suitable crop for an orchard? The ground was plowed last fall. Owing to high prices for cowpea seed, would perhaps plant them in rows. Would a lister answer the purpose for planting them in rows?—C. M., Lincoln, Kan.

Bulletin No. 160 on cowpeas has been mailed to you. This will give you the desired information on planting, etc. Cowpeas are a good orchard crop. If the trees are large, better sow broadcast and cover with the harrow or plant in close drills with a grain drill. You may plant in rows with the grain drill by stopping part of seed cups. Or you may plant with a corn planter or lister, but do not make the lister furrows too deep. Set the drill to sow about a bushel of peas per acre, and arrange the plates in the planter or lister so as to



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drop the peas 2 or 3 inches apart in rows 3 to 3½ feet apart.

Cowpeas grown in the orchard may be plowed under for green manure or harvested for forage, or if the trunks of the trees are protected by wire netting, the crop may be pastured with hogs and plowed later.
A. M. TenEyck.

Gypsum as a Fertilizer.

Will gypsum furnish to land the necessary elements of lime? Where can commercial fertilizers be purchased?—J. R., Woodward, Okla.

Gypsum or land plaster, which is chemically, calcium sulfate, CaSO4, when applied to the soil as a fertilizer, will supply calcium the same as will ground

limestone, or air slaked lime, which is really carbonate of lime, CaCO3. When quicklime, CaO, is applied to the soil it combines with water and forms an alkali which neutralizes the acids in the soil. The carbonate of lime is also alkaline and has a more neutralizing effect on the soil acids than the sulfate. However, ground gypsum rock or land plaster is used as a fertilizer to supply the element, calcium, the essential constituent of lime.

I am mailing Kansas Experiment station Bulletin No. 169, on "Fertilizers" which gives addresses of manufacturers of commercial fertilizer. I am also sending list of gypsum mines and dealers.
A. M. TenEyck.

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WHITE ROCK cockerels for sale. R. M. Rehm, R. 1. Hutchinson, Kan.
BUFF ROCK eggs. Pens and range. Elmore & Clark, Hazelton, Kan.
EGGS from prize winning Buff Rocks. Write R. M. Fevury, Easton, Kan.
FOR QUALITY BARRED ROCK eggs write Dorothy Mullis, Dunbar, Neb.
WHITE ROCK eggs, 15 \$1.00, 100 \$4.00. Mrs. Frank Powell, Buffalo, Kan.
BARRED ROCK eggs, per 15 \$1.00, 100 \$5.00. Mrs. Lon Burton, Lebo, Kan.
PURE GOLD BUFF ROX—Eggs \$3 and \$1.50. L. Keckler, Pender, Nebraska.
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BUFF ROCK eggs, 15 \$2.00. Express prepaid. Ferris and Ferris, Effingham, Kan.
100 BUFF ROCK eggs, \$3.50; 100 chicks \$12. Mrs. M. E. Stevens, Humboldt, Kan.
B. P. ROCK eggs, 15 for 75 cts., 100 for \$4.00. Mrs. Serene Bray, Cleveland, Kan.
BARRED ROCK eggs, 15 \$1.00; 100 for \$5.00. Mrs. Albert Goheen, Manhattan, Kan.
BUFF ROCK eggs, \$1.00 setting; \$5.00 per hundred. Mrs. Chas. Walke, Fort Scott, Kan.
RINGLET ROCKS—Laying strain. Eggs, dollar per 15. Tracy's, Conway Springs, Kan.
PURE BRED Barred and White Rock eggs, fifteen \$1.25, Henry Hicks, Cambridge, Kan.
WHITE ROCKS—Quality good; eggs and chicks for sale. J. A. Kauffman, Abilene, Kan.
PRIZE WINNING Barred Rocks. Eggs, 15 \$2, 50 \$5. Mrs. Chris Bearman, Ottawa, Kan.
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BARRED ROCKS—Large, vigorous, farm raised. 50 eggs \$2. Mrs. Ernest Rowe, Jewell, Kan.
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WHITE PLYMOUTH ROCKS. Eggs from pen One \$2. Pen Two \$1 per 15. L. W. Babcock, Harper, Kan.
BARRED PLYMOUTH ROCKS exclusively. Eggs, 15 60 cts., 100 \$3.00. Mrs. S. B. Shaw, Goff, Kan., R. 3.
BARRED ROCKS—Select eggs for hatching. \$1.00 for 15, \$4.00 per 100. Mrs. Sam'l Drybread, Elk City, Kan.
BARRED PLYMOUTH ROCKS exclusively. Eggs, 30 \$1.50; 100 \$4.00. Catherine Beightel, Holton, Kan.
BUFF ROCKS—Extra quality; farm raised. Eggs \$1.50 per 15, \$3.50 per 50. Mrs. M. A. Downen, Fontana, Kan.
BUFF PLYMOUTH ROCK cockerels for sale, prices \$2.50 each. Mrs. May F. Forbes, R. No. 1, Mound City, Kan.
BARRED ROCKS—Eggs for hatching. Farm raised. Good layers. \$1 per 15. Chas. W. Findly, Cambridge, Kan.
PURE BUFF ROCK eggs (farm range) for hatching, \$4.50 per 100. Mrs. Perry S. Myers, Fredonia, Kan., Route 3.


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WHITE WYANDOTTES, Partridge Rocks, pure white Indian Runner and Buff Orpington ducks. We are headquarters. Stocks, and eggs for hatching. J. M. Rahn & Son, R. 16, Clarinda, Iowa.

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EGGS, EGGS—From turkeys, Toulouse and White Embden geese, Rouen, Pekin, Muscovy and Runner ducks; Rhode Island Reds, Leghorns, Houdans, Wyandottes, Hamburgs, Orpingtons, Games, Plymouth Rocks, Langshans, Cochins, Pearl and White guineas, Bantams. Hen eggs 15 for \$1.00, by the 100 reasonable. Also dogs, rabbits and fancy pigeons. Write for free circular. D. L. Bruce, Platte Center, Neb.
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WANTED—Baby chick, W. Leghorns and W. Wyandottes preferred. Shelton & Co., Alcott Station, Denver, Colo.
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The WOMEN FOLKS

Conducted by Mabel E. Graves



We want this department to be of practical use to the women who read Farmers Mail and Breeze. If you have any favorite recipe, any helpful hint, whether it concerns the family, the kitchen, the children, the house; or if you have anything to say which would be of interest to another woman, send it to the Home Department editor. Prizes for the three best suggestions received each week will be, respectively, a set of triple-plated teaspoons in the beautiful Narcissus design, a year's subscription to the Household magazine, and a year's subscription to the Poultry Culture magazine.

Here is a recipe for an apple sauce cake that I can vouch for. I haven't made it but I've tasted it, and then I asked for the recipe, for it was very good: One-half cup lard, 2 cups brown sugar, 2 cups unsweetened apple sauce, 2 1/2 cups flour, 1 pound raisins (floured), a pinch of salt, any flavoring preferred, a small teaspoon cinnamon, a small teaspoon allspice, and a pinch of cloves. Beat well before putting in oven. Bake in a slow oven 2 hours; or it can be made in layers with any kind of filling. This would be a good winter cake, since it requires no eggs and no butter.

The other day I saw a beautiful sofa pillow, and it's so easily made I presume that as soon as I tell you how it was done each one of you will forthwith go and do likewise, and Mail and Breeze homes will be known by a wave of sofa pillows. This pillow was a log cabin one, made just the way our mothers used to make their log cabin quilts. It was probably 20 or 22 inches square, and it was made of four blocks. Silk, satin, velvet and plush were the materials used. You remember that in a log cabin block there are two color schemes, dividing the block in halves cornerwise. The center of each block in this pillow was a square of deep purple velvet, the kind that is so dark it is almost black. Around this two sides of the square were of dark brown satin. The other two sides shaded from a creamy white through the various shades of yellow to a deep rich orange. Silk was used for the lightest blocks, changing to satin, and the last row was plush. The inner strips were narrow, gradually widening to the edge. The four blocks were put together with the brown satin on the outside, which brought a wide band of orange plush through the center each way. The back of the pillow was of the brown satin.

"Yes," said a farmer who happened to drop in the other day, as he looked over towards his 13-year-old boy, "if my boy got to town I expect he'd want to go some place every week." I wish I could see that farmer in his home. Since I can't I'm just going to quote what a few wise men have said about the need of recreation:

The duty of physical health and the duty of purity and loftiness are not two duties; they are two parts of one duty, which is the living of the complete life which it is possible for man to live.—Phillips Brooks.

Good wholesome recreation is first cousin to religion.—Dr. Rainsford.

Breathe hard, play hard, rest hard, work hard: up and at it, no matter what it is.—Theodore Roosevelt.

All work and no play makes Jack a dull boy.—Benjamin Franklin.

One can never lose the capacity for play without some sacrifice of the capacity for work. The man who never plays may not show any loss of energy, but he inevitably shows loss of power.—Hamilton W. Mabie.

There should be nothing so much a man's business as his amusements.—Robert Louis Stevenson.

It's the right of every boy in town and on the farm to go some place every week, and oftener, too. The fact that so many boys are kept at home grinding out the weeds and briars from winter's end to winter's end is one of the reasons, and a big reason, why the boys when they get big enough to do as they please leave the farm. We owe it to ourselves and to them to see that they have plenty of pleasure as well as work.

"Can you or any reader of the Mail and Breeze," writes a reader from Yates Center, "tell me how to clean white hair braid? I have a summer hat made of

the braid that I would like to clean if I knew how." Now this editor hasn't anything to suggest, unless gasoline will do it. Perhaps cornmeal dampened with gasoline would be better, and the braid allowed to stand in the cornmeal for an hour or two. But that is just guessing. If anyone knows please tell us.

Mrs. M. A. of Preston, Kan., asks, "Will someone please tell me how to size a white hard-finished plastered wall to prepare it for papering?" It will be well to go all over the walls with vinegar before putting on the paper. Some paper hangers add a little glue to the paste to make it stick better.

Make Your Own Breakfast Food.

I wish to raise this question: Why cannot the farmer who raises his own corn and wheat make his own cereals? Have you ever stopped to think of the price you receive for your grain and the price you pay when you buy back that same corn and wheat in small packages with much of the nourishing part taken out in the process of manufacture? Is it any wonder living is high? There is no better cereal in the world than popcorn eaten with cream, or wheat whole or cracked. We have a little hand mill, cost \$3.75, in which we grind our flour for bread and crack the wheat for cereal. Rye may be ground in with the wheat for bread, and corn can be ground into the richest looking cornmeal you ever saw. Whole wheat should be soaked over night, then cooked until the grains crack open. Cracked wheat requires less cooking. We eat both with chopped dates instead of sugar. Since I have been eating whole wheat products my appetite is good and that gnawing feeling of hunger never bothers me. Well do I remember the time when I was faint with hunger before 12 o'clock. These mills may be had in different sizes, to be run by water power, electricity, etc., and one in a community could keep the whole neighborhood in wholesome cereals at an extremely low cost. Mrs. Sarah E. Neal. Dodge City, Kan.

The Women Are Voting

At the time this was being written, the Saturday morning before you are reading it, there had been received 415 votes. Of these 355 votes were for suffrage, 54 were against it, and 6 said it made no particular difference. Letters are being received on every mail, and this number will soon be considerably larger. We want to hear from every woman who reads the Mail and Breeze. In just a few months the men of the state are going to decide whether women shall be given equal privileges with men in respect to voting in Kansas. Women now have the right to vote in all city and school elections. If you believe they should be given the same voting privileges as the men, put an X in the square marked "Yes." If you do not believe in women voting more than they do now put an X in the square marked "No." If you do not care one way or the other put an X in the blank square at the end.

YES NO

Name

Address

This is an expression of opinion by the voting women of Kansas, and every Kansas woman over 21 years of age is invited to express her wishes in the matter. Please fill out the proper blank above, with your name and address, and mail at once to the Suffrage Editor, Mail and Breeze, Topeka, Kan.

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Mayer Yerma Cushion Shoes give lasting, restful comfort to tender, aching feet that smart, burn and tire quickly. The flexible cushion sole is built in to conform with the line of the foot, absorbs the jar of walking, resists dampness and keeps the feet cool in summer and warm in winter.

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Made in a variety of fashionable styles—neat, dressy and comfortable.

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RELIGIOUS PICTURES at 10c each. Famous works of art, such as "Christ is Lord of this House," "Birth of Christ," "The Lord is my Shepherd," "Palm, Hope and Charity," "Guardian Angel," "Christ Blessing Little Children," "Lord's Supper," "Book of Ages," and other beautiful pictures in natural colors, with appropriate mottoes. Originals cost thousands of dollars. Not a trashy picture in the lot. Size 12x16 inches. You Will Sell Our Famous Pictures, Where You Filled to Sell Others. Send for 50 of our handsomest pictures, specially selected, and large illustrated premium list. You can sell them in 10 minutes. Send us \$2, and premium will be sent at once. **MONEY BACK IF NOT SATISFIED.** **ALTON WATCH & JEWELRY CO., Dept. 1804, Chicago**



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"It gives me pleasure to write and thank you for the very serviceable cabinet. I must say I find it to be all you represented it to be. I hardly see how I kept house at all without it. I find it the handiest piece of furniture in the house."—Mrs. Chloe Mooner, Belle Rive, Ill.

"More Than Pleased."

"I am more than pleased with my Gold Medal Kitchen Cabinet. I never saw one that I like better. The flour bin is so nice and handy. I am well pleased and speak in the highest praise of the Gold Medal to everyone."—Mrs. W. H. Estes, Gate, Okla.

"All Right in Every Respect."

"The Gold Medal Kitchen Cabinet is all right in every respect, and any woman might be proud to have one in her kitchen. The Cabinet is very convenient and all it was represented to be."—Myra Payne, Salem, Ind.

"All Who See It, Praise It."

"I am more than pleased with my Kitchen Cabinet every day. I had always wanted a nice kitchen cabinet and never could afford one before. Your easy plan enabled me to have one that any woman might be proud to own. All who see it wonder how you can sell such a useful and handsome Cabinet for so small a sum."—Mrs. W. G. Howell, Holton, Kan.

"Saves Many Steps."

"I like the Gold Medal Kitchen Cabinet just fine and think it is a real nice and useful piece of furniture. It saves many steps and is so easy to keep clean."—Mrs. A. A. Davis, Hoxie, Kan.

"Nothing Like It for the Money."

"The Gold Medal Cabinet reached me in perfect condition. It was very well crated to guard against accidents. In neatness, construction, material and workmanship the cabinet simply cannot be duplicated."—Mrs. M. E. Darrough, Emporia, Kan.

"Very Useful and Handsome."

"I find the Gold Medal Kitchen Cabinet very useful and a piece of furniture which would adorn any room."—Mrs. J. B. Fitzgerald, Valley Center, Kan.

"All That See My Cabinet Think It Awfully Nice."

"I am writing you to say I received my cabinet May 27 all O. K., and think it is all right and must compliment you for your truthfulness. I certainly appreciate dealing with anyone that does just what they say they will do. I hardly ever answer ads as I have been so badly deceived in answering them, but I thought I would answer yours and my husband and I are very glad I did, and found one man that is a man of his word. All that see my cabinet think it awfully nice, and I think that my sister-in-law will take one. I sent you her name."—Annie Higgins, Route 2, Mountain City, Mo.

"Everybody Thinks It Just Grand."

"The cabinet has arrived and was in perfect condition and must say it is perfectly beautiful. Everybody thinks it is just grand. The freight agent of Taft looked at it when I was examining it and he says it is a perfect beauty. I will help in every way to introduce your Club."—Mrs. H. C. Brown, Taft, Okla.

Get This Beautiful "Gold Medal" Kitchen Cabinet FREE

THIS is a positive, sincere, straightforward offer. YOU may have one of these beautiful Kitchen Cabinets absolutely free of any cost. I have an easy and most remarkable plan by which one lady in each neighborhood may secure a \$30 "Gold Medal" Golden Oak Kitchen Cabinet without it really costing her a penny—without any work—without any canvassing or soliciting or public work of any kind.

Does that interest YOU? Then be quick with your request for my special free cabinet offer.

I am making an extremely liberal proposition to the first 500 members of the Capper Kitchen Cabinet Club. I want to place one of these "Gold Medal" Kitchen Cabinets in your home. It will save you thousands of steps and hours of time. It is the handiest thing you ever had in the house and as beautiful a piece of furniture as any woman can desire. I have a plan by which you may secure your cabinet ABSOLUTELY FREE. Send today for full particulars and see how easily you can secure one.



Positively No Public Work!

No Canvassing! No Soliciting!

I will ship YOU one of these handsome "Gold Medal" Cabinets absolutely free—WITHOUT A CENT TO BE PAID IN ADVANCE. You can keep it in your home for 30 days—and use it as your very own for one whole month. In the meantime my ORIGINAL and MOST WONDERFUL PLAN will be working in YOUR interests and FOR YOU so that the Cabinet may become your own property and you may keep it forever, and always enjoy its labor-saving conveniences WITHOUT ITS HAVING COST YOU A PENNY!

There is POSITIVELY no public work, no canvassing, no soliciting for you to do! There is no "catch" in this offer by which I require YOU to go out and sell something. Remember, there are no IMPOSSIBLE conditions of ANY kind for you to comply with in order to obtain the wonderfully liberal advantages of my great plan by which you secure one of these fine Cabinets ABSOLUTELY FREE!

Detailed Description of "Gold Medal" Kitchen Cabinet

The "Gold Medal" Cabinet is an attractive piece of furniture, manufactured from selected oak, and finished a rich golden oak color with a special wax finish. The interior of top and doors are varnished. All lip doors, drawers and bins full veneered panel back, panel ends and panel doors, which prevents warping. The drawers work smoothly and the sugar bin tilts on a perfect balance. No binding, no sticking, no warping or swelling.

The top has a two-inch cornice at the back and ends, forming a convenient shelf and preventing articles from dropping behind the cabinet.

The 50-pound sifter flour bin has heavy metal hopper, adjustable sifter and metal cap. A glass indicator on the inside of the china closet shows the exact amount of flour in the bin. The china closet is 11 inches deep, 19 1/2 inches high, and 23 inches wide, with two shelves and one large door, filled with a beautiful sand blast Queen Anne glass, 16 by 18 inches. The tilting sugar bin, just below the china closet, is of heavy oak veneer, nicely balanced and convenient.

A very special feature of my Gold Medal Cabinet is its sanitary nickel top, a sheet of heavy zinc, coppered and then nickeled, stretched tightly over a cleated top, the brightest, most durable and most sanitary top ever manufactured. This is an expensive feature not found on any but the highest priced cabinets—cabinets usually selling at \$30 to \$40 and up. This nickel top is an invaluable feature in many ways. It is not only sanitary, easily cleaned and very neat in appearance, but it adds years to the life of the cabinet and does away entirely with the expense and bother of replacing worn out oilcloth coverings.

The nickel top on base is 28 inches wide by 40 inches long. Height 70 inches. The top drawer in base is the cutlery drawer, 5 inches deep, 12 inches wide and 20 inches long, just above it is a clean white wood cutting and kneading board. The middle drawer is a roomy linen drawer 7 inches deep, 12 inches wide and 20 inches long, and just below it, is another drawer 9 inches deep, 12 inches wide and 20 inches long, containing a two-compartment metal bread and cake box with hinged metal covers. This box is of heavy bright metal and the tight-fitting lids are reinforced and perforated. This box can be lifted out of the drawer, cleaned and replaced without trouble. No more stale or musty bread and cake where this sanitary box is used. The commodious cupboard to the left of the drawers is 25 inches high, 24 inches wide and 26 inches deep with a sliding tray shelf and large pan rack on door—an all Oak Cabinet, 28x40 inches by 70 inches high, complete with Sifter Flour Bin, Tilting Sugar Bin, Art Glass Door, Metal Bread Box and High-Grade Castors, crated ready for your kitchen.

Be Quick!—If you want to get the benefits of this unequalled "first member" plan! Send no money. Just say, "Tell me about your free Kitchen Cabinet Plan." Sign name and address and full particulars same day I get your letter.

ARTHUR CAPPER, Publisher.

**Mail and Breeze Kitchen Cabinet Club,
Dept. 77, Topeka, Kansas**

Honestly, now, isn't it a shame that almost all the money that is spent for labor-saving devices, is spent to save the work of men!

Just think over the labor-saving machines and devices that you know about and you'll find that the vast majority of them are intended to save a MAN'S time and labor.

It's high time that the women have a show.

I think so, anyway.

Arthur Capper
Publisher.

Read This Letter From My Banker

Arthur Capper is one of our wealthy and most valued citizens. He is the sole owner of the Topeka Daily Capital and the Kansas Weekly Capital, the leading daily and weekly papers of the state; Farmers Mail and Breeze, a weekly farm paper of large circulation; Missouri Valley Farmer, a monthly farm paper; The Household, a monthly magazine with half a million circulation; Nebraska Farm Journal and Missouri Ruralist. All of these papers are highly profitable and their future prospects of the best. Mr. Capper is a fine business man, careful and conservative, thoroughly reliable and will do as he agrees, and his publications stand very high. We cordially commend him to all with whom he may have dealings.

J. R. BURROW,
President Central National Bank,
Topeka, Kan.

HOME DRESSMAKING

These patterns may be had at 10 cents each from the Pattern Department of Farmers Mail and Breeze, Topeka, Kan. When ordering give number and size.



- 5756—Girls' Reversible Coat, with or without under-arm seams, sizes 6, 8, 10, 12 yrs.
- 5714—Empire Dress, closed at side front, 6 sizes, 32 to 42 bust.
- 5721—Ladies' Shirtwaist, 6 sizes, 32 to 42 bust.
- 5744—One-Piece Skirt, having one-piece foundation, 5 sizes, 22 to 30 waist.
- 5730—Child's Dress, closed in back, sizes 1, 3, 5 yrs.
- 5734—Girls' Dress, with removable chemise, sizes 6, 8, 10, 12 yrs.
- 5697—Ladies' 32-Inch Coat, 6 sizes, 32 to 42 bust.
- 5729—High-Waisted Tunic Skirt, having five-gore foundation attached to flounce, 5 sizes, 22 to 30 waist.
- 5758—Child's Dress, having one-piece circular skirt, sizes 2, 4, 6, 8 yrs.
- 5750—Round Apron, cut in one size.
- 5749—Child's Dress, sizes 6, 8, 10, 12 yrs.
- 5691—Empire Dress, having three-piece skirt, 6 sizes, 32 to 42 bust.
- 5764—Ladies' Shirtwaist, with plain or gathered sleeves, 6 sizes, 32 to 42 bust.

5762—One-Piece Pleated Skirt, 5 sizes, 22 to 30 waist.
5755—Rompers, or Creeper, buttoned at leg seams, sizes 1/2, 1, 2 yrs.

To Vote or Not to Vote

WHAT WOMEN THINK ABOUT IT.

[The following letters are some of those which have been received while taking the ballot on the question of equal suffrage in Kansas.—Editor.]

Yes, give women the ballot and see King Alcohol die.—Mrs. Ed Wickens, Rozel, Kan.

Nine-tenths of the women in Hill City favor equal suffrage.—Mrs. J. C. Myrick, Hill City, Kan.

Yes, give us at least the same rights as the uneducated class of foreigners who are voted in herds and cannot make their X without help. We should stand on an equality with them.—Mrs. A. J. Houde, Zurich, Kan.

At Le Roy all patrons of the post-office were allowed to vote on postmaster, and a woman was elected on a count of more than 600 to 80, her opponent being a man. That certainly proves that women would vote if they had a chance.—Mrs. Mary D. Ward, Le Roy, Kan.

Any person in favor of woman suffrage must be partly unbalanced in the upper story. I think woman's place is at home with the family and her household.—Mrs. Mary A. Rettels, Seneca, Kan.

Certainly the women should have a voice in everything. Woman figured largely in the downfall of the world; she will have to help redeem it, and the sooner the men quit holding her down the better.—Mrs. Ella Breidenthal, Edna, Kan.

I belong to the local W. C. T. U. There are 11 members, nine of whom see no hope for temperance unless woman suffrage carries. I don't know whether the other two want the ballot or not.—Mrs. Cellie Emel, Brewster, Kan.

I do not want to vote—that is not by any means the only thing I don't want to do that I ought to do—but I am most emphatically in favor of equal rights to all and special privileges to none, so here is my vote for woman suffrage.—Clara Neese, R. 17, Richland, Kan.

Three-fourths of the women of Wellington vote at every city election and would probably vote at every election if they were permitted to. All this looks foolish to me. Men gave the negro the privilege of voting when he did not want it, and he was made a tool for unprincipled white men when he used it.—Mrs. Hubbard, Wellington, Kan.

I lived in Colorado Springs too long to think that women need the ballot. Our responsibility is heavy enough without taking up politics. I am the mother of two good sons to vote for me, and my husband will too, so I am happy and content to be a home keeper.—Mrs. Jennie E. McDill, R. 2, Sterling, Kan.

I don't think women ought to vote, and I think if some men did not there would be better laws. In the states that already have equal suffrage liquor is sold to a great extent, since there are no prohibitory laws. If women want to vote let them go to war and work on the roads the same as men. No woman would do this for the right to vote. I do not want it.—Mrs. H. McClean, Talmo, Kan.

I think it is the duty of every mother, every woman and every man in Kansas to work for prohibition. I don't want to put myself in place of the men, but I do think we women could do a great deal of good.—M. L. Carlile, Haviland, Kan.

You will find enclosed my vote against woman suffrage. I believe nature intended woman to keep the house and look after the family and have things pleasant for the men when they are at home. I also think it the duty of the man to provide for his family. I believe it is the duty of the wife to join her husband in deciding what is best for all concerned pertaining to their home life, and I believe she should join him in politics and decide at home how he should vote. What is to the interest of one is to the interest of the other. If the husband is fair and reasonable he is

always willing to consult his wife; if not she would not make anything by Do I wish to vote? Yes. Why? Because I have the welfare of my country just as much at heart as any man; because I believe I am just as capable of voting intelligently as the majority of men who vote. I am subject to the same laws as my husband and sons; why should they and not I have a voice in the making of those laws? I earnestly hope the next election will place our great state among those which do not class the wives, mothers and daughters with the insane, the imbecile and the criminal.—Mrs. J. L. Heberling, Wakarusa, Kan.

voting against him only more trouble I see a wrong in taxation without representation as it is now, but will another wrong remedy that wrong? Cannot a law be passed that would correct that wrong without woman suffrage? I have both boys and girls and am proud of it; and if I thought woman suffrage would be the best for the girls I certainly should favor it.—Mrs. G. S., Neosho Rapids, Kan.

Personally I have no desire to vote merely for the sake of voting. But I believe it is a woman's right, to be exercised if she wishes it. More than that, I believe it is a woman's duty to be as well informed on present-day movements politically and otherwise, as on the history of the past. Then if she is needed to further the cause of justice, public improvement or social welfare it becomes her duty to cast her ballot for those things which she is convinced are for the best interests of her home, her community, her country. I believe "woman suffrage" will help woman to come to herself, her largest, most complete self. This because she will become a more influential factor in determining the policies of government and consequently will fit herself better to discharge her duties intelligently. This in turn will make her better fitted to train her children in the home in sound principles, and to instill the principles into the minds of children under her care in the schools and elsewhere.—Katharyn M. Wood, Belle Plaine, Kan.

SIX SILVER NARCISSUS TEASPOONS FREE.

I have just consummated a most remarkable purchase whereby I secured at a ridiculously low figure 5,000 sets of beautiful Silver Narcissus Spoons made by the famous Oxford Silver Plate Company. Each spoon is extra heavy, full standard length, extra deep bowl and with beautifully embossed and engraved handles. I am going to give a set of these handsome spoons absolutely free, postage paid, to all who send just \$1.00 to pay for a year's subscription to my big farm weekly, The Farmers Mail and Breeze. Send your subscription order at once and secure a set of these beautiful and serviceable spoons. State whether you are new or old subscriber. Time will be extended one year if you are already paid in advance. Address Arthur Capper, Publisher Mail and Breeze, Topeka, Kan.

Trial trip until July 1, 1912 for 10 cents, Mail and Breeze, Topeka, Kan.

A Man's Worth—

in dollars—to his family is the share of his wages that they get. Will your family always get as much as they do now? An inquiry from you will be treated confidentially. Equitable Life of Iowa. 45th year.

Carmi L. Williams, Topeka, Kan.

GOLD WEDDING RING FREE

Send for 12 packages of our beautiful high grade gold embossed post cards to distribute at 10c per pkg. Return us the \$1.20 when collected and we will send you by return mail this very fine 14K gold filled heavy band ring, not the cheap kind. Address, R. F. MOSES, 863 Household Bldg., Topeka, Kan.

BOYS! Here is your opportunity to earn without cost to you, one of my dandy Baseball Outfits

complete in every way, consisting of Steel Mask, Axlerod Bat, Large Catcher's Mittor Fielder's Glove, Cap, Web Belt, Best Quality rubber-center wool-wound horsehide cover Baseball. Goods all regulation, made and guaranteed by best Mfrs. in U. S. This entire outfit will be GIVEN to you, absolutely without cost, for distributing a few of my handsome Art Pictures among your friends and neighbors with a whole year's reading. Write today for plan. Send no Money. A Postal will do. I want to earn the Baseball Outfit and will do my best.

H. A. Sloan, Box M Spencer, Ind.

LACE CURTAINS FREE

Finest Curtains ever offered; large, full-sized, beautiful Nottingham Lace Curtains, 2 1/2 yards long, with elegant patterns, hand-drawn wide borders and firm well finished edge. All I ask of you is to send your name and address at once. I then send all charges paid, six packages of beautiful highly colored silk and gold embossed Post Cards all different to distribute by my special plan at 25c each. When post cards are distributed send me the \$1.50 collected and I will send you at once these handsome curtains without one cent of cost. Don't delay. Address, CURTAIN CLUB, Dept. 24, Household Bldg., TOPEKA, KANSAS.

FREE! TO BOYS AND GIRLS THE WONDERFUL NEW MAGIC PICTURE and POST CARD REFLECTOR

This wonderful machine is not a Magic Lantern, not a moving Picture Machine, but something new, different and better. It will reflect any post card, picture or any newspaper clipping or photo or object such as watch works, postage stamps, etc., in natural colors, magnified many times! The greatest little entertainer ever offered. No expensive slides or films to buy. Hundreds of pictures free by simply cutting them out of newspapers, etc. We have 2,000 of these Machines which we are going to give away to advertise our firm. Send your name and address and we will send you, prepaid, 16 beautiful Motto Pictures. Distribute these 16 pictures among eight friends—a whole year's reading and 2 pictures for only 25c. When pictures are all distributed send us our \$2 and we send the "Magic Picture and Post Card Reflector" and 25 handsome post cards ALL FREE AND PREPAID. Only 2,000 Reflectors to be given away on this plan. Send your name and address at once. Address, 103 CAPPER BLDG., Magic Reflector Co., TOPEKA, KANSAS.

Why?

The Farmer has power to do his work—why not the Farmer's Wife?




GRINNELL GEM

NO WRINGING Washing Machine NO RUBBING

will relieve the farmer's wife of the most trying drudgery of all her duties. Washes and wrings perfectly, completely. An ordinary gasoline engine runs it. Exclusive features make this and our Grinnell Lewis Gasoline Washer the most perfect power washers known. Wringer reverses by turn of a lever; lid lifts without stopping engine; positive chain driven wringer; safety enclosed gears. Also Grinnell hand and electric power washers. Write for details of our free trial offer.

30 Days Free Trial

GRINNELL WASHING MACHINE COMPANY
726 Main St., Grinnell, Iowa



GALLOWAY

MAKES YOU A WHOLESALE DEALER



Value— That's Where I Beat Them ALL

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

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

HIS OWN LETTER

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

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

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

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

My Selling Plan Is Not Patented

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

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

That's where I have the oar on them all even if I didn't save you \$50.00 on price! They can't touch Galloway Quality and Patents. Uncle Sam says, "keep off" on the patent question.

Take the new No. 5 Galloway with Mandt's new gear, for example. It has eleven distinct and separate patents—each worth \$50 extra to you, yet they don't cost you a penny more. Mandt's new gear is certainly a masterpiece, with steel axles, covered with hard wood and clipped on with steel clips, removable hubs, and dust-proof bearings with hard oilers, flexible in every

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

First, notice how low down it is in front as well as in the rear. Notice the detachable force feed; the simple mechanism and the irrefragable roller feed, which enables us to do with eighteen to twenty pounds of the toughest malleable iron what out-of-date manure spreader manufacturers do with 600 or 500 pounds of brittle grey iron, cogs and gears. I tell you, friends, I'm mighty pleased with the Galloway Spreader and I know you will be. I operate 6 of them on my own farms.

Why Don't You Find Out

Don't let the Price-Boosting Middlemen throw dust in your eyes on the Manure Spreader situation. **PIND OUT FOR YOURSELF—GET THE FACTS—THEN DECIDE!** If you do this, Galloway will get your order, when you're ready to buy, because he makes you your own jobber, dealer, agent and salesman and the savings you make pay you for being an independent buyer on the world's greatest manure spreader. In addition to this all-complete Galloway Manure Spreader with Mandt's New Gear, I have a full line of six different sizes, including my wagon-box manure spreader, from \$39.50 and up—the only wagon-box spreader that will successfully fit and adjust itself to the gears you already have. Make no mistake, get my big Free Spreader Book and Price before you buy a Spreader. I can save you big money and give you superior quality.

WM. GALLOWAY, President

The William Galloway Company

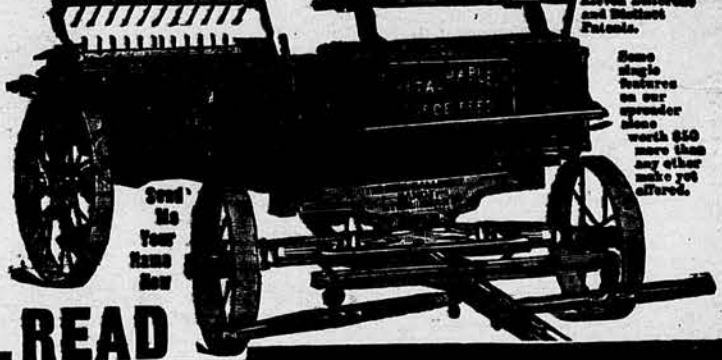
209 AF Galloway Station

Waterloo, Iowa

SEND FOR GALLOWAY'S NEW BOOKLET

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

Only Roller Feed Spreader On the Market



Eleven Different and Distinct Patents.

Some single features on our spreader worth \$10 more than any other make yet offered.

Send Me Your Name Now

READ

Why You Should Buy a Spreader

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

Why It Should Be a Galloway

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

What Users Say

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

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

J. A. HOLMES, Greenwood, Neb. I have a Galloway Spreader. It is a dandy. Would not give it for any other spreader made. Have hauled over 60 loads of manure and it is just as good as new.

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

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



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

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

State.....County.....
Town.....
Name.....



FARMERS CLASSIFIED PAGE.

Advertisements will be inserted in this department at the low price of 5 cents per word each insertion for one, two, or three insertions. Four or more insertions only 4 cents per word each insertion. Cash must invariably accompany the order. Remit by postoffice money order. No order taken for less than \$1. This does not mean that a single insertion of your ad must cost \$1, but that your total order must reach \$1. All advertisements set in uniform style. No display type or illustration admitted under this heading. Each number and initial letter counts as one word. Guaranteed circulation over 104,000 copies weekly. Everybody reads these little ads. Try a "Farmers Classified" ad for results.

SEEDS AND NURSERIES.

COWPEAS for sale. D. J. Yoder, Haven, Kan.

WHITE SEED CORN. John Shumway, Manhattan, Kan.

IMPROVED Golden Beauty seed corn. Luptad Stock Farm, Lawrence, Kan.

PURE BRED blackhull Kafir \$1 bushel. Arthur Pistorius, South Haven, Kan.

BIG black hulled white Kafir; hand threshed. J. G. Mitchell, Lafontaine, Kan.

CHOICE fruit trees, ornamentals, berry plants. Waverly Nurseries, Waverly, Kan.

7,000 LBS. pure Texas Ribbon cane seed. \$2.50 per cwt. H. O. Woodard, Eudora, Kan.

HOG MELON seed. 60 cts. acre by mail with directions. N. J. Lodge, Altamont, Kan.

KAFIR—Blackhull white. Re-cleaned seed. \$1.50 bushel. C. E. Crane, Conway Springs, Kan.

CHOICE non-irrigated alfalfa seed \$8.00 per bu., sacks free. Wallace Libbey, Larned, Kan.

FOR SALE—Clean, pure, Era cowpeas at \$2.25 per bu. at Tyro station. W. H. Parks, Tyro, Kan.

STRAWBERRY PLANTS—250 best 5 varieties for \$1.00; \$3.50 per 1,000. C. R. Tuttle, Baraboo, Wis.

HARDY Bermuda roots, 75c per sack. Howard Pendleton, Tamworth swine breeder, of Yukon, Okla.

COWPEAS—Whippoorwill, \$2.25 a bu. Sacked and delivered at Almo, Okla. J. C. Wallenstein, R. No. 3.

ALFALFA SEED, \$10.50 bushel, guaranteed free of dodger. Freight prepaid. J. H. Glenn, Farmer, McAllister, Kan.

FINE ALFALFA SEED, free from weeds and Russian thistles, \$10.00 per bushel, sacks free. Geo. Heisel, Pratt, Kan.

ALFALFA SEED—Good quality non-irrigated alfalfa seed in large or small quantities. David Badger, Eureka, Kan.

WRITE for prices on high grade western grown nursery stock. Salesmen wanted. Brown's Nurseries, Hutchinson, Kan.

SEED POTATOES—White Star, highest yielders, finest quality, \$2.00 per bu.; any quantity. Robert C. Boss, La Porte, Ind.

FOR SALE—Graded and cleaned June corn for planting. One bu. \$2.25; two bu. or more \$2.00 per bu. f. o. b. cars. John Story, Cleo, Okla.

KANSAS SUNFLOWER. Reid's Yellow Dent, Boone County White seed corn. Catalog on request. Fred Sanders, Route 3, Concordia, Kan.

FOR SALE—Three hundred bushels of alfalfa seed at eight dollars per bushel f. o. b. the cars Bazaar, Kan. Crocker Bros., Matfield Green, Kan.

SEED CORN—White Pearl, choice, carefully selected and tested, germination good. Best corn for Kansas and Oklahoma. W. A. Hunter, Manhattan, Kan.

SEEDS FOR SALE—Improved Dwarf milo, black hull white Kafir; 100 bu. lots or less. Write for pamphlet how to raise. A. Z. Scribner, Eldorado, Kan.

CHOICE ALFALFA seed, 175 bu. has been tested at Manhattan, 91 per cent fertile, \$8.50 per bu., including double sacks. G. G. Davis, Randall, Kan.

SEED CORN—Kansas Sunflower. Highest yielder in seven year variety test, Experiment Station. Best drouth resister. Corn breeder. J. M. McCray, Manhattan, Kan.

ALFALFA SEED—Offer extra quality alfalfa seed, non-irrigated, \$9.00 bu., delivered any station in state Kan. Sack free. Sample sent on request. L. A. Jordan, Winona, Kan.

GROWING CONTRACTS—Desire to contract for 100 acres each Calico and Bloody Butcher, 1912 crop. Write at once for particulars. Only responsible growers need apply and with bank reference. Address Box 2, care Mail and Breeze.

STRAWBERRY plants. Send \$1.00 for 300 plants or \$1.80 for 800 plants, 5,000 or more at \$1.50 per 1,000. Klondyke, Lady Thompson, Aroma, Candy, Excelsior or Michel's Early. Can ship at once. Orders filled by wire. John Lightfoot, Box 1062, E. Chattanooga, Tenn.

FOR \$1 I will send you 8 apple, pear, peach, plum or cherry trees, all budded or grafted, select varieties, or 75 raspberry, blackberry or dewberry, or 20 grape, currant, gooseberry or rhubarb, or 100 asparagus or 200 strawberry plants, Catalogue free. Manhattan Nursery, Manhattan, Kansas.

SEED CORN—Boone County White seed corn, grown from thoroughbred corn from K. S. A. C. Also white and yellow corn grown in 1910. Price \$1.75 bushel sacked f. o. b. Ask for samples. J. W. Machin, Wamego, Kan.

EGYPTIAN WHEAT (Shallu), now the most talked about of all the sorghums; 1,000 seed by mail as sample, 5c in stamps; pound postpaid, 25c; peck at Sherman, \$1; half bushel, \$1.75; bushel, \$3; hundred pounds, \$5. Also have White milo maize, White Amber cane, Ribbon cane, cowpeas, soy beans, Velvet beans, June corn, Spanish and other peanuts, Johnson grass seed, Bermuda grass seed, etc. Pittman & Harrison Co., Sherman, Texas.

HORSES, CATTLE, HOGS, SHEEP.

GALLOWAY bulls for sale. Jake Darrow, Miltonvale, Kan.

SHEPHERD ponies and good jacks for sale. Chas. Stephens, Columbus, Kan.

RED POLLED bulls for sale. Oldest breeder in central Kansas. I. W. Foulton, Medora, Kan.

REGISTERED Percheron stallion, dark gray, 5 yrs old. Price right. G. E. Clark, Topeka

SHEPHERD ponies. Write for prices and descriptions. Hicks Bros., 1253 Van Buren St., Topeka, Kan.

AM "long" on Jersey bulls—some are from my best cows and royally bred. Chester Thomas, Waterville, Kan.

SHEPHERD ponies—Thirty breeds. Cattle, sheep, hogs, dogs. Catalog four cents. J. Stodghill, Shelbyville, Ky.

DOGS.

PEDIGREED Scotch collie pups. G. A. Wiebe, Beatrice, Neb.

SCOTCH COLLIE pups, good color and good workers. Address A. W. Toews, Inman, Kan.

BARGAINS—Wolf hounds, Scotch collie and hound pups. Purnell Barnett, Rutledge, Mo.

WHITE Spitz-Esquimaux puppies. Beauties, for shipment; low prices. E. Brack, Havensville, Kan.

FOR SALE.

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

FOR SALE—Fine threshing outfits. Burlington Repair Works, Burlington, Kan.

FOR SALE—Lot of fine live goose feathers at \$1.00 per pound. A. M. Paul, Moore, Okla.

FOR SALE—2,000 first class August cut burr oak fence posts. Geo. Trout, Neosho Falls, Kan.

FOR SALE—Baled hay, hedge posts, cane, Kafir, alfalfa and millet seed. P. Ludvickson & Co., Severy, Kan.

FOR SALE—40,000 lbs. best leaf tobacco. Mail stamps for samples to Anton Wavrin, Franklin, Ky., R. No. 5.

FOR SALE—A complete Gaar-Scott threshing outfit. Fine condition. Will sell right. Address W. H. Lowe, Caldwell, Kan.

GOOD traction threshing engine, \$675; needs \$100 repair; at repair shops, Winfield, Kansas. W. W. Allen, St. Paul, Minn.

UP TO DATE creamery four years old, doing good business, in Custer Co., Okla., cheap for cash. Box 206, Harper, Kan.

RACKET STORE—Extra good money making racket store for sale; will take good real estate for part. Address Fred Cunningham, Vinita, Okla.

BRAND new buggies, surreys and spring wagons at greatly reduced prices; bankrupt stock. Bauer Machine Works Co., 18th and Baltimore, Kansas City, Mo.

SYRUP—Pure Louisiana sugar cane syrup. Put up at the mill in sealed cans. Six one gallon cans at \$4.00; 12 half-gallon cans for \$4.25. All delivered. Address Mary & Tuma, Washington, La.

MAPLE SYRUP for sale, made from the sap of hard maple trees; guaranteed pure; put up in cans containing one gallon each; in price one dollar and 35 cents per gallon in lots not less than ten gallons or more. Send money with order. Joe Steinfest, Athens, Pa.

FOR SALE—Hart Parr 45 brake, 22 horse power gas tractor, steel gear plowing and threshing engine, used 105 days; Advance separator, 32-52, never been wet, threshed 52,000 bushels of grain; La. Cross disc grass plow, plowed 180 acres; power hay press, baled 280 tons. This outfit is ready to go to work without a dollar's worth repair. This is your last chance to buy this outfit for \$1,650.00, at my home 1 1/2 miles south of stock yards. George Seltz, South St. Joseph, Mo.

FOR EXCHANGE.

TO TRADE FOR LAND—Stock of gen. mdse. invoicing between \$2,200.00 and \$2,500. Lock Box T, Americus, Kan.

HOUSE—Good 4-room house, on two large lots; shade, bluegrass, water; corner property; price \$1,000; will consider restaurant, pool hall, barber shop or gristmill. Owner, Lock Box 196, Iola, Kan.

FOR SALE OR EXCHANGE.

FOR SALE OR TRADE—San Luis valley, Col., subirrigated land; produces immense crops; no lack of water; also fine flowing wells; price reasonable. Box 36, Formoso, Kan.

FOR SALE OR EXCHANGE—80 acres valley farm land, 7 miles from Lamar, under Amity Canal, shallow to water, charter on three small ditches, 10 acres plowed, adjoins A. V. R. Fenced on three sides. A. J. Parsons, Lamar, Colorado.

FOR SALE OR EXCHANGE—Best newly equipped hotel in town of 5,500 population. Owns its gas and water plant. Price \$12,000.00. Want clear farm or city property. Might lease to responsible party. Apply Chas. W. Bandle, Mena, Ark.

LANDS.

HOMESTEADS—Special information. Riverside Kolonsa, Harrison, Ark.

DEAL DIRECT by listing with us. List of trades free. Exchange Co., Cassoday, Kan.

BARGAIN SALE—By owner. Two large houses, west side, 635 Morris Ave., Topeka.

ONE of the best lots in Manhattan. Centrally located. Terms. Address Owner, Manhattan, Kan.

HALF SECTION ten miles of Cheyenne, Okla. Will sell or rent on good terms. Dr. Phelan, Patterson Bldg., Oklahoma City.

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

ANY ONE wanting to purchase a farm in Arkansas, the richest and the best in the state write H. C. Moren Real Estate Co., Keo, Ark.

GREAT bargains in Sherman county land. Now is the time to buy. What have you to trade? Write Kysar Realty Company, Goodland, Kan.

PECAN profits are amazing; free booklet tells how you can own a Florida pecan orchard by small monthly payments; write today. American Pecan Co., Gainesville, Fla.

KANSAS. For sale at a bargain, full set of abstracts of title to the lands and lots of Dickinson county, Kansas and a large sale. W. T. Davidson, Abilene, Kan.

A BARGAIN—Well improved 600 acre stock ranch in Greenwood county, Kansas, worth \$30.00 per acre at \$22.50 if taken soon. Address E. B. Hatch, Yates Center, Kan.

RELIQUISHMENT, near Rocky Ford, Colo.; 160 a. under good irrigation system; good climate for tuberculosis; money making investment. \$1,600 cash. O. A. Duncan, Conway Springs, Kan.

FREE FARMS—Government lands free; 1,000,000 acres in Arkansas for homesteaders. Where located and how secured shown in our 1912 booklet. Sent postpaid 25c. Glass & Co., Harrison, Ark., Dept. A.

FOR SALE—\$1,000.00 cash will handle this 200 a. grain and stock farm in Pike Co., Mo., 3 1/2 ml. E. R. town, 1 1/2 ml. to gravel road to 3 good towns; will take some trade. G. R. Miller, Bowling Green, Mo.

INVESTIGATE WYOMING—60,000 acres, completed irrigation system, abundant water. 35,000 acres Carey Act lands. Rich soil. Low prices. Easy terms. Wyoming Development Co., Cheyenne, Wyo.

WELL-IMPROVED 80-acre farm, one mile from good railroad town; 60 acres in cultivation, good new buildings, young orchards, city school, 2 good wells; old age and alone the reason for selling. Address P. J. Sull, Grove, Okla.

FARM of 160 acres, Stone county, Mo.; trade for small hotel, pool hall, restaurant or might consider store of some kind; farm has 40 to 50 acres cultivated; small buildings; fine timber; price \$2,000; owner, J. B. McConnel, Iola, Kan.

ALFALFA LANDS for \$25 to \$35 an acre in Alabama without irrigation are some of the best in U. S. Recommended by Report 96 of Department of Agriculture, Washington. Northern people just finding them out. Write me. E. E. Secor, Selma, Alabama.

5 CENTS AN ACRE CASH—Texas school land is now on market; you can buy good land at \$2 per acre; pay 5c per acre cash and no more for 49 years, but 3 per cent int.; send 6 cents postage for further information. Investor Pub. Co., Dept. 7, San Antonio, Texas.

270 ACRE farm one mile from college town, best farm in neighborhood, fine house with water system and natural gas, large barn silo. Has been well farmed by owner. All tillable, never before offered for sale. Clear. \$100 per acre. Terms. Have others. Write me. J. L. Hitchcock, Baldwin, Kan.

OFFICIAL LIST of free government farms to be given to homesteaders by the government in 1912, in 160 and 320 acre tracts. Describes every acre in every county in U. S. How secured free; all about government irrigated farms, timber, coal and mineral lands. 1912 diagrams and tables, complete information. Send for it. Webb Pub. Co., Sta. K, St. Paul, Minn.

MAKE MONEY raising alfalfa in the irrigated St. Stephen valley. This dollar producing crop grows luxuriantly; you can get 4 or 5 cuttings a year and you can sell all your raise for \$20 to \$25 a year right at your farm. Grains, fruit and garden truck make equally splendid yields. Soil a deep rich equally unlimited supply of pure, sweet water held by steel and concrete dam; on one transcontinental railway—another building; climate mild and beneficial for asthma and lung trouble. This land is selling rapidly one-fourth down and the balance in three years. Come down and see it—round trip rate from Kansas City first and third Tuesdays in the month only \$32.50, and board and lodging on our own farm will cost you nothing. Write for free illustrated book telling all about it. Greef & Kelley, General Sales Agents for St. Stephen Land & Irrigation Co., A714 Dwight Bldg., Kansas City, Mo.

FARMS FOR SALE.

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

FARM WANTED.

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

MALE HELP WANTED.

EARN \$35 PER WEEK—Learn automobile trade. Positions. Write Auto School of St. Louis, 1105 Pine St., St. Louis, Mo.

WANTED—Reliable man to sell nursery stock. We have a splendid position to offer. Write today for particulars. James Trull & Sons, Nurserymen, Chanute, Kan.

SALESMEN wanted in Kansas, Oklahoma, Missouri and Arkansas. Work full or part time, as you prefer. Pay weekly. Outfit free. The Lawrence Nurseries, Lawrence, Kan.

WANTED—Railway mail clerks. Examination May 4, \$1,200 yearly. Thousand needed. Write Oament, 38, St. Louis, for Free Trial Lesson. He conducted Government Examinations. Write him immediately.

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

WANTED—High class responsible representatives to whom we will give exclusive territory in Kansas, Oklahoma and Nebraska. Good subscription solicitors under our excellent plan and with our exceptionally liberal proposition, make big wages. Permanent employment will be given to those who demonstrate their ability to do high class work. Full particulars will be furnished on application. Applicants must furnish two reference letters with their application. Address Arthur Capper, Publisher, Topeka, Kansas.

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

RAILWAY MAIL CLERKS wanted by the U. S. government—salary \$90.00 month. The hours are short; the work interesting as you travel through the country; you will have a week off duty with full salary. You would have no "layoffs," the position being yours for life. Hundreds of appointments coming. Examinations in every neighborhood May 4th. Common education is sufficient. "Pull" is not needed. Farmers have excellent chance. If interested, write immediately for sample questions and large illustrated book telling the duties and giving full particulars. We are coaching candidates free. Franklin Institute, Dep't W 55, Rochester, N. Y.

FEMALE HELP WANTED.

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

HELP WANTED.

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AGENTS WANTED to sell our high grade nursery stock; big wages and free outfit; now is the time to begin. Write for terms to Western Nursery Co., Lawrence, Kan.

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ACTIVE, ambitious farmers can make good money "on the side" or devoting their entire time to the work, by representing the old reliable Germania Life Insurance Company of New York. One of the strongest, best known life insurance companies in the world. Prospects for old life insurance never so good as now. Write about a local agency to Geo. Godfrey Moore, State Agent, 705 Jackson St., Topeka, Kan.

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Kansas' First Soil Map

BENEFITS OF THE WORK.

The first county in Kansas to have a complete soil map made by state and government soil experts was Shawnee county, and this map was first exhibited to the public at the monthly meeting of the Shawnee County Alfalfa club at Topeka last Saturday. The soil survey of Reno county has been finished, but has not yet been charted. Two more counties will be surveyed this season, Greenwood and probably Republic. These soil surveys mean an enormous lot of work, since it is necessary for the soil experts to visit every farm and almost every field in a county to get data that is accurate and dependable. But a soil map once obtained is almost invaluable. Such a map shows what the soil is and has, what it needs most, what crops can be most profitably produced on each farm, what crops will do the land most good, how the land should be tilled, etc. The national government is co-operating with the state in obtaining these soil surveys, the expense being equally divided. The soil map of Shawnee county furnished the text of an address by Prof. Jardine of the Agricultural college at meeting of the Alfalfa club.

Washington Hears From Kansas

The readers of Farmers Mail and Breeze have been putting the Kansas delegation next to farmer sentiment in Kansas with reference to a genuine parcels post measure. News comes from Washington that the Kansas members of congress have been literally snowed under with letters from their constituents on this subject within the last 10 days. Oleo legislation has been the theme of numerous other letters. It is not likely congress will do anything with oleo at this session. The parcels post legislation will be passed on in a few days.

Iowa Leads in Poultry

Iowa has the largest total value of poultry, amounting to \$12,270,000, and Missouri ranks second, with \$11,871,000. The eight states next in order are Illinois, \$11,697,000; Kansas, \$11,369,098; Ohio, \$9,533,000; New York, \$7,879,000; Indiana, \$7,762,000; Pennsylvania, \$7,674,000; Michigan, \$5,611,000, and Texas, \$4,807,000.

The Hen Loves to Work

Mr. Editor—The hen is healthiest, happiest and does best when she is at work. She is one of the few things in this life that loves to work, and is so modest that she never crows, cackles or brags about what she does until she has delivered the goods. T. E. Quisenberry, Mountain Grove, Mo.

To Make Your Poultry Pay

- Use good stock.
- Use good food.
- Use good care.
- Use good houses.
- And use good commonsense.

Seed of Spanish Peanuts

The publication of Prof. Cottrell's article on Spanish peanuts as a feed crop for Kansas and Oklahoma, in Farmers Mail and Breeze of March 23, has brought a great number of inquiries about where to get the seed. Prof. Cottrell made arrangements a year ago with a number of Southwestern seed houses to carry this seed. It can probably be had from the Barteldes Seed company, Oklahoma City, or Lawrence, Kan.; or from any of the western seedsmen who are doing a general seed business.

Question For Discussion

One of the biggest problems before the average farmer just now is how to grow some feed quickly while waiting for the regular feed crops to mature. Feed is alarmingly scarce and everybody is interested in this question. By what route do you propose to get early feed?

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Dear Sir:—Enclosed find 10 cents, for which send the Kansas Weekly Capital until November 15, 1912, according to your special campaign offer, to the following address. This is a new subscription:

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MARKET PROBABILITIES

Cattle Shortage Due to Show Up This Month As a Result of General Unfavorable Conditions Through the Year—Strong Demand For Pork From Packers Indicates End of Hog Supply in Sight—Corn and Hay Up

[Written Specially for the Farmers Mail and Breeze.]

Between mud and high priced feed the livestock market is in the last stages of liquidation for the winter feeding period, and not far enough along to count on supplies off of grass. Country roads are in too heavy a condition, and have been for some time to be reasonably sure that any one day's supply is indicative of what the next day will uncover. Today the run was fairly liberal, everything considered, but at the same time there is that feeling of uncertainty that receipts may take a slump at any time. The tendency in prices has been downward but the market has shown some resistance by slight rallies. Prices are high for this time of the year, but considering the unfavorable season and high prices for feed cattlemen have had small margins to go on and in many cases have lost money. River markets have shown a considerable decrease in receipts of cattle thus far this year, but Chicago has managed to show an increase. At the same time Eastern states have shipped grain west, and much of the rough feed for the feeding section of the Central West has come from the north-west states, and Oklahoma. Conditions could not have been shaped more unfavorably for a profitable feeding season. Weather conditions not considered, and the acute shortage that is bound to follow such seasons is scheduled to show up this month. This week closes Lent, but a Jewish season of self-denial is at hand. Eggs have declined considerably and fish are plentiful. Early green vegetables are on the market, and on the whole the time of the year is at hand when the housewife considers reduction in the meat bill as economy. However, the big packers are free from threatened prosecutions under the anti-trust law, and the recent decision of the Chicago jury declaring them not guilty puts an end to a 12-year struggle under the law and its machinery. The decision cannot help but have a wholesome effect on the market, for it will tend to a readjustment in the packing business, with a tendency to expansion.

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Choice Light Weight Cattle Wanted.

Tidy weight heifers and steers and heifers mixed are clearing at markets with considerable activity, but the plain half fat kinds have shown a downward tendency. There has been an abnormally small per cent of choice light weight beefs coming for some time, while the medium to plain kinds have been plentiful. Demand for the choice kinds will continue urgent but prices on others will sag as the grass appears. Veal calves are quoted steady and demand for bulls is strong.

Halting Stocker and Feeder Trade.

The trade in thin cattle continues dull and very narrow for this time of year. There is no surplus of thin cattle to begin with, and stockmen are not anxious to load up until grass takes on more definite shape. Most stockmen, where cattle are turned on early grass use some other rough feed, and this year that roughness is very scarce. In southwest Texas some cottonseed cake is being fed on grass, but in the Panhandle north the season has not opened. There has been practically no change in prices in the past week, largely because supplies were small.

Diminishing Movement of Hogs.

Aside from occasional spurts in receipts the big end of the hog crop has been gathered for this year. For some time the movement has been restricted by the heavy condition of country roads and weather, but judging by the supply of underweights coming the movement is nearer to a material reduction than was supposed. Since the first of March prices have advanced about \$1.50 a 100 pounds, and the 8-cent level was reached last week in St. Louis, with Chicago only 2 1/2 cents under that mark. Compared with a year ago prices are almost \$1 higher. Packers seldom misjudge the market and with nearly the entire demand from that source it is good evidence that they believe that the big runs are over for this year. Last year's cholera that depleted the hog population is beginning to show, now, and will be more pronounced when the period of increased production is attempted. Young pigs thus far have met a chilly reception and the loss has been great. In several places in Missouri and Kansas less than 30 per cent of the pigs have been saved.

Sheep Market Better than Expected.

Early last week prices for sheep started down, and for a time it looked as though there was a big break in store for the woolly ones. Wednesday however, the tide turned and prices late in the week were carried up to new high levels for the year. Eastern markets recorded 8 cents and better for woolled lambs, and about the best at Missouri river markets was \$7.75. While receipts last week were larger, apparently than in the preceding week, there was considerable duplication, for instance large numbers were received and fed at the Kansas City and Omaha yards and later sent to other markets, causing some of the sheep to be counted twice in figures for the five markets. Shearing has become general now, and from Texas the shearers are working into Colorado and the Northwest. A good many are moving to feeding stations near large markets where they are being shorn. Colorado has more fat sheep than any other state.

Grass fat sheep will move late. Prices for wool continue firm.

The Movement of Livestock.

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

	Cattle	Hogs	Sheep
Kansas City.....	27,100	46,625	52,000
Chicago.....	48,600	148,000	96,300
Omaha.....	17,200	53,000	58,500
St. Louis.....	9,500	46,000	12,000
St. Joseph.....	9,600	37,500	10,300
Total.....	112,000	331,125	229,100
Preceding week.....	109,680	312,300	202,900
Year ago.....	124,325	383,300	168,800

The following table shows receipts of cattle, hogs and sheep at the five western markets, Monday, April 1:

	Cattle	Hogs	Sheep
Kansas City.....	6,500	6,100	10,000
Chicago.....	17,000	30,000	30,000
Omaha.....	900	1,500	700
St. Louis.....	3,000	10,000	3,500
St. Joseph.....	2,000	10,000	1,300
Total.....	29,400	57,600	46,000
Week ago.....	39,770	98,500	69,000
Year ago.....	38,475	74,200	49,200

The following table shows a comparison in prices on best offerings of livestock at Kansas City and Chicago for this date and one year ago:

	Cattle	Hogs	Sheep
Per 100 lbs. 1912 1911	1912 1911	1912 1911	1912 1911
Chicago.....	\$8.60 \$6.85	\$8.00 \$6.85	\$7.00 \$5.60
Kan. City.....	8.35 6.50	7.90 6.65	6.75 5.75

(Continued on Page 33.)

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40 cows and heifers, fresh inside 30 to 40 days. Several cows, heavy milkers, fresh now. Also bulls from 1 mo. to 15 mos. old.
IRA ROMIG, STA. B., TOPEKA, KAN.

Choice Jersey Bulls
I am offering a few young bulls, sons of Oxford's Masterpiece, a son of Oxford Lad; Oxford's Brigadier, a son of Gambo Knight; Merry Maiden's Golden Lad, a son of Merry Maiden's 3d Son; and Eurybia's Exile. I have but a few of these calves that are ready for service. Will sell them reasonably while they last. Write for prices and particulars.
W. N. BANKS, INDEPENDENCE, KANSAS.

GALLOWAYS.
Capital View Herd of Registered Galloways
For Sale: a fine lot of young bulls in numbers to suit purchaser. For further particulars call on or write G. E. CLARK, 2301 Van Buren St., Topeka, Kan.

Choice Galloway Cattle
To close out I am offering 50 head of registered cows, heifers and young bulls ready for service. Prices and breeding on request. J. C. ASHCRAFT, Sedgwick, Kan.

Registered Galloways
Young stock for sale. Prices reasonable. Five young bulls for sale. Call or write.
J. & W. R. Clelland, New Hampton, Mo.

RED POLLED CATTLE.
Foster's Red Polls A few choice bulls for sale. Also a few cows and heifers priced reasonable.
C. E. Foster R. R. 4, Eldorado, Kan.

RED POLLED BULLS
and heifers by Actor 7761 and Launfal 18221. Cows large, plenty quality, represent best milking families. Also large type POLAND CHINAS. Pigs. Write or come.
CHAS. MORRISON & SON, Phillipsburg, Kan.

of the country in search of choice bred, good individual cows bred to outstanding bulls. The females to be sold number 33 head and there isn't a plain bred nor a poor quality individual in the sale. All the cattle have been tuberculin tested and are ready to go anywhere. Lot one in the catalog is Black Cap Jam 2d, a 3-year-old daughter of the great Prince Ito. She is a choice bred Blackbird and is safe in calf since September to Blackbird Printo. This cow is a splendid producer as her heifer, which is also listed in the sale will attest. A good proposition is offered in lot eight, Dolly Blackbird 21st, a nicely bred Blackbird by Baran Woodlawn 2d. This cow is a heavy milker and will earn her keep each year and a profit for her owner. She will calve in July to Blackbird Printo. A choice bred heifer is offered in Blackbird 93d. Her pedigree represents such bulls as Prince Ito, Black Monarch of Emmerson, Moon Eclipse, etc. She is a choice individual and sells open. One of the most attractive propositions of the entire offering will be found in Lot 11, a 7-months-old heifer, by Laddie Blackbird. She is a show prospect of the first water and should be looked after. Bessie Blackbird, by Black Lad 2d, is a double bred Blackbird, 2 years old and safe in calf to Undulata Blackcap Ito 2d. Lot 19, a double bred Erica, is a heifer of much excellence of form and is bred in the purple. In justice to the offering as a whole most every animal merits individual mention. Space forbids this. However, buyers may rest assured of seeing one of the best lots sold anywhere this year. An unusually strong feature of this sale are the three herd bulls to which the females are bred. As has been previously noted all three are grandsons of the Prince Ito and out of dams by Black Monarch of Emmerson and Blackston, by Blackcap King. They are bred in the very best blood known to the breed and individually these three bulls rank with the very best in the country affords. The get of these bulls in the sale will show how they breed. Those who have not already secured a catalog of this sale should do so at once and arrange to attend. In both bulls and females this offering will not have a superior in this territory this year. Write today and kindly mention this paper.

The Kansas City Hereford Sale.
SUMMARY.
76 bulls \$ 9,070; average \$119.30
40 cows 4,370; average 109.25
118 head 13,440; gen. average 115.08
25 polled bulls. 2,990; average 119.60
51 horned bulls 6,080; average 119.26
The above summary shows how the combination sale of Hereford cattle held at Kansas City March 26 and 27 resulted. The price range was not high, nor did the offering justify high prices. While there were a number of toppy things offered, inferior quality predominated and the selling of the poorer lots had its influence on the sale of the better stock. The feed proposition was a big factor in the bidding, especially did the buyers discriminate on the poorer lots. Those who were fortunate enough to handle a few were good buyers and picked the best. The offering sold a month or two later would have made a higher average. It is the consensus of opinion among Hereford breeders that as soon as grass puts in an appearance the demand for both bulls and females, especially the latter, will be unusually strong and the outlook is good for cattle sales held later in the spring. Horace Gleed 358392, the senior yearling show bull, contributed by J. P. Oudahy, topped the sale at \$410, going to the Funkhouser Estate, Plattsburg, Mo. Harris's Prince 175th, by Harris's Beau Donald 5th, went to C. R. Simpson, Mitchell, S. D., at \$270, and C. N. Moore's good Polled calf, Prince 6th, went to Frank Bleth & Son, Joliet, Ill., at \$260. R. E. Clark, Brayton, Ia., W. C. Stout, Arkalon, Kan., E. H. Woods, Lucerne, Mo., J. E. Stewart, Columbia, Mo., and R. E. Burcham, Windsor, Mo., were good buyers, each securing a number of the better things. Cols. Zaun, Sparks and Reppert conducted the sale. Below is a list of sales:
1—Funkhouser Estate, Plattsburg, Mo. \$410.00
5—J. A. Stewart 130.00
6—Wm. Henn, Kansas City, Mo. 120.00
7—R. P. Clark 120.00
12—W. C. Stout 125.00
16—Frank Peterson, St. Marys, Kan. ... 210.00
17—E. H. Woods 175.00
19—J. A. Stewart 145.00
22—Wm. Henn 140.00
29—Wm. O'Connor, Manila, Ia. 180.00
32—C. R. Simpson 270.00
34—Jno. Gosling, Kansas City, Mo. 150.00
35—E. W. Elliott, Montezuma, Ia. 200.00
39—R. E. Burcham 180.00
48—L. S. Rodgers, West, Miss. 205.00
49—J. W. Mellecker, Riverside, Ia. 125.00
50—J. E. Ross, Ozawatie, Kan. 170.00
53—Jas. Farr, Moran, Kan. 155.00
55—E. F. Hyde, Niangua, Mo. 155.00
57—W. J. Magher, Cedar Bluffs, Neb. ... 205.00
78—J. F. Brandon, Bosworth, Mo. 150.00

Iowa
GRANT GAINES.

W. L. De Clow Writes
"I am glad to report that this season is bringing the most prosperous trade that I have ever had since I have been in the business, and I am obliged to think that my advertisement in your paper is one factor which is bringing this about. The other factor is that I have this year so much better stock than I have ever had before, and I think a little better than is usually found at the barns of the importers. My sales for the past month have been quite satisfactory. It is quite a notable fact that my best buyers for stallions are old customers who have bought horses from me at from two to six years before and are now coming back for more horses. Good mules are selling higher than they have ever sold before in the history of the trade. The demand for jacks is greater than ever before. I have been obliged to put in 35 young jacks that I did not expect to put on sale this season, which makes over 80 jacks in this season's offering. I have just received two large importations of stallions and mares, three more importations will arrive in the next two weeks, then I will announce my annual sale of imported Belgian and Percheron mares for May. Parties wanting stallions, jacks or mares in this sale should write me at once."—W. L. De Clow, Cedar Rapids, Ia.

Crimson Wonder Again Bears.
L. R. Van Nice, Russell, Ia., is offering to Farmers Mail and Breeze readers some rare

THE ANDREWS-CALDWELL
Select Aberdeen Angus
Offering

44 HEAD 33 Females, 11 Bulls—Blackbirds, Queen Mothers, Trojan Ericas, K. Prides, Heatherblooms, Duchesses in sale

Maryville, Mo., Tuesday, April 9
AN OFFERING UNEQUALLED IN BLOOD LINES AND INDIVIDUAL MERIT.

This offering comprises drafts from the herds of W. W. Andrews, Maryville, Mo., and C. D. & E. F. Caldwell, Burlington Junction, Mo., two of the most carefully bred herds in the country. Undulata Blackcap Ito 2d 116275, Black Lad 2d 96893 and Blackbird Printo 142246, three sensational grandsons of the world renowned Prince Ito, are strongly represented by sons and daughters and all the females are bred to them. The cattle listed are bred in the purple—individually, they are as good as their breeding. The number of herd headers, show prospects, choice cows and heifers, some imported, and all due to calve this spring, which are to sell, stamps this as the most attractive Angus offering of the season. The offering throughout is so uniformly good as to attract the best breeders of the country. It is a strictly high-class lot of breeding cattle, offered in top condition and at a time advantageous to the buyer. The offering has been tested for Tuberculosis and are ready to go anywhere. Get the catalog and study the breeding, attend the sale and inspect the individuals.

Address, mentioning Farmers Mail and Breeze, to either
W. W. Andrews, Maryville, Mo. **C. D. & E. F. Caldwell, Burlington Junction, Mo.**
Cols. Igo and Binnie, Auctioneers.

Mrs. Adelaide B. Fraser's
2d Annual Shorthorn Sale
A selected draft of tuberculin tested cattle from the Lawndale Stock Farm Herd. Sale in Fine Stock Pavilion, Stock Yards
KANSAS CITY, MO., THURSDAY, APRIL 11, 1912
FORTY-EIGHT HEAD, the cream of the herd—47 females, 11 calves and one bull. The females are all bred to either Scotch Goods 340418 or Silk Goods 293713, and the herd bull, Scotch Goods, will sell. He is a superior individual and should go to head a top herd. This herd has made a reputation for good practical Shorthorns—the kind that has stood the test. Individual merit and breeding worth were the first considerations in the building of this herd. Regardless of fads or fancies the Fraser Herd has been producing the right type—the type that has proven so satisfactory for the farmer as well as the breeder. An unusually large number of calves will sell with their mothers. The herd is strong in milking qualities. The cattle are all of good ages. It is a sale of tops—not culs. They have been wintered well and are to be sold at a time when the buyers stand to profit most from the money invested. This sale is one of the very best buying propositions of the year. The Catalogues are ready. Send for one today and kindly mention this paper to
F. H. GLICK, Mgr., 222 Argyle Bldg., Kansas City, Mo.
Cols. George P. Bellows, Sam W. Kidd and Andy James, Auctioneers.

100 REGISTERED HOLSTEIN-FRIESIANS
AT AUCTION
At Topeka, Kan., State Fair Grounds, April 20, 1912
Principally young females of desirable ages, a number of heifer calves and yearlings, a few extra choice young serviceable bulls. Best of breeding, every animal guaranteed as represented. Help make this sale a success by being on hand. Catalogs mailed on request.
Sale to Begin Promptly at 10 A. M. Every Animal Tuberculin Tested.
AUCTIONEERS
COL. B. V. KELLY, Syracuse, N. Y. J. W. MACRUM & SON, Haigler, Neb. (entire herd).
COL. R. E. HAEGER, Algonquin, Ill. ROBERT E. HAEGER, Algonquin, Ill.
COL. CHAS. CREWS, Topeka, Kan. F. J. SEARLE, Oskaloosa, Kan.
ADDRESS—**F. J. SEARLE, Proprietor, Sunflower Herd, OSKALOOSA, KANSAS**

ABERDEEN-ANGUS.
Sutton Farm Angus
For sale, our entire crop of 1911 spring bulls, individually or in carloads; great, well grown, lusty fellows, sired by the best of herd bulls. Bulls from this herd sire winning steers in Chicago, Denver, Fort Worth and Kansas City shows annually. Also 20 head imported and Canadian bred Shropshire sheep, and selections from a large and high class herd of Berkshire hogs.
SUTTON FARMS, LAWRENCE, KANSAS.

JACKS AND JENNETS.
Leavenworth County
Jack Farm

40 Jacks and Jennets, 3 to 8 years old. Also 1 registered Percheron Stallion for sale. 40 miles northwest of Kansas City. Write for prices.
Corson Bros., Potter, Kan.

Market Probabilities

(Continued from Page 32.)

Farmers Need Horses Now.

Demand for horses to go to the farming belt is an important factor in the market and responsible for a stronger feeling. Spring work will open with a rush and many farmers find themselves short on work horses. They are buying in a hurry. Eastern and Southern demand continues active. Receipts have been fairly liberal. The trade in mules has been as active as for horses. A large amount of heavy construction work has begun and mule power is the moving force.

Big Advance For Corn and Hay.

Prices for corn last week were advanced several cents a bushel of the high level of the preceding week, and new high records for the year's crop was established. Hay sold at the highest prices ever known on the Kansas City market, and dealers say that unless demand is greatly curtailed there will be further advances. All other feed stuff showed a similar advance. Prices for wheat changed but little, oats were higher.

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

	Kansas City	St. Louis
Wheat—		
Hard No. 2...	\$1.04 @ 1.11	\$1.03 @ 1.13
Soft No. 2....	1.03 @ 1.04	1.03 1/2 @ 1.04 1/2
Corn—		
White No. 2..	.76 1/2 @ .77	.75 @ .76
Mixed corn ..	.75 1/2 @ .76	.74 @ .74 1/2
Oats—		
No. 2 white..	.55 @ .55 1/2	.55 @ .56 1/2
No. 2 mixed..	.53 1/2 @ .54 1/2	.54 @ .55

The following comparison shows prices on best grades of wheat, corn and oats at Kansas City and Chicago for this date and one year ago:

	Wheat	Corn	Oats
	1912	1911	1912
Chicago....	\$1.13	.96	76
Kan. City..	1.10	.90	78

Choice Seeds are Scarce.

Choice seeds of all kinds are scarce, and selling at a wide range. Selected and tested stock brings a big premium. Kafir, seed corn, cowpeas, and sorghum seed were all higher. Clover, timothy and alfalfa were unchanged.

Sorghum, Amber \$1.50@1.75 per cwt.; sumac \$1.35@1.55; broom corn, dwarf \$1.40 @1.50; standard \$1.30@1.45; cowpeas, New Era, \$1.90@2.10; Whippoorwill \$2.10@2.25; clover seed \$12.00@20.00; timothy \$10.00@15; alfalfa, \$10.00@14.00; flaxseed \$1.90@2.00; seed corn, bulk 9c@1.40 a bushel; Kafir No. 3 white, \$1.28@1.32.

Cotton Market.

Galveston, Tex., April 1.—COTTON—Market unchanged, 11 1/2c.

Produce Prices Now and One Year Ago.

	Butter	Eggs	Hens
	1912	1911	1912
Chicago....	30	21	20
Kan. City..	30	23	18 1/2

Editorial News Notes

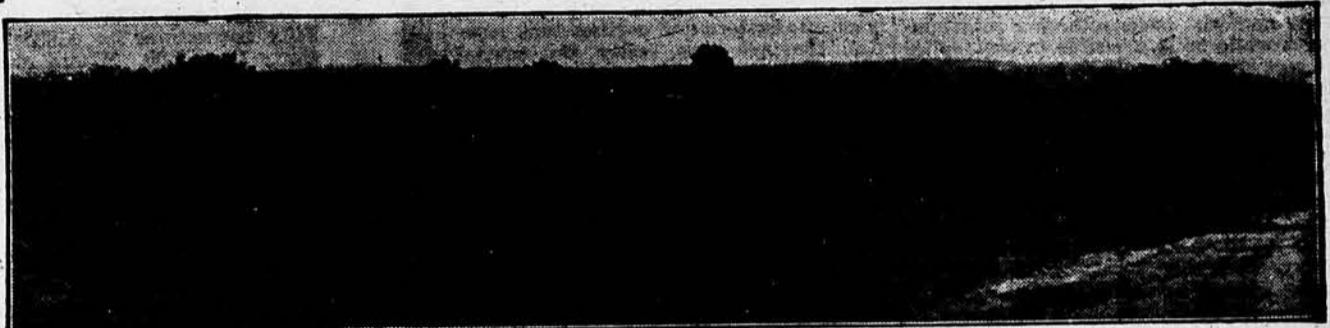
(Continued from Page 36.)

something which helps you work easier—works with you. Take Keen Kutter manure forks for instance, as you will probably need one just at this season. The tines are particularly strong, yet have great elasticity. The handles are straight-grained, denoting great strength. Next time you are in town just call in at your dealer's and handle one of these manure forks—you can almost feel how easy it would be to pitch manure with them. Among other seasonable suggestions could be mentioned Keen Kutter garden rakes, hoes, spades, etc., but whatever your needs may be in the tool line buy by the Simmons trademark. Write to the firm for tool catalogue if Keen Kutter goods are not sold in your town. See ad on page 31.

You Can Make Money Raising Apples at HIGHVIEW PARK

COLORADO is the best apple state in the country. It grows the best apples and it grows them most profitably. Finished apple orchards in Colorado sell from \$1,000 to \$4,000 per acre. But there are great advantages in raising apples in the Denver District. You are near a great market. You have shipping and storage facilities. You can always get help quickly. The culled apples can always be sold in Denver for canning, for vinegar and for other purposes. This cannot be done from orchards far removed from a central market.

And Denver District apples are good apples. They took first prize at the Colorado State Fair in competition with the best the state could produce, and that means the best in the country. Orchards in the Denver District produced over \$500 per acre last year.



APPLE ORCHARD AT HIGHVIEW PARK.

HIGHVIEW PARK IS A PROVED FRUIT DISTRICT

and lands there planted to orchard will be worth the top price for fruit lands in a few years. You can raise apples as successfully at Highview Park as in any other location in Colorado.

Here Is Our Orchard Proposition:

For a limited time we will sell orchard land, including paid up water right, together with an orchard planted and cared for five years, and give an absolute guarantee to turn over to him a live orchard at that time, replacing all dead or diseased trees, for \$375.00 per acre. Orchard lands are selling on these terms in other parts of Colorado for \$1,000 per acre.

Terms:

20 per cent cash, balance in monthly, quarterly, semi-annual payments, for a period of seven years. Don't forget the location—right up against Denver. Spring is here. Look into this thing further. Write for literature, or call on

The Denver Suburban Homes and Water Co.

620 Commonwealth Building, Denver, Colo.

JAMES BUTLER, Eastern Representative, 1230 Fillmore St., TOPEKA, KAN.

Poland China Bred Sow Sale

FROM WELCOME STOCK FARM HERD

Elmo or Abilene, Kansas, Saturday, April 20, 1912

I will sell 25 summer gilts, bred to Star Pointer, 5 tried sows bred to Old Tom Lipton, and 5 sows bred to Welcomer (a son of Tom Lipton), also 15 fall boars old enough for service. I will also offer two of my herd boars, Welcomer and Iron Clad 2d. These hogs are not loaded with fat, but are healthy and in the best possible condition for breeding purposes. I feel sure that brother breeders and farmers will not be disappointed in the offering, and I invite you all to come. Please write for Catalog and mention this paper. Address

Joseph M. Baier, Elmo, Kans.

W. C. Curphey, J. R. Burton, Auctioneers.

CAPPER BOYS CORN CLUB

Founded 1907



by Arthur Capper

OFFICERS.

President—Orville L. Dennis, Leona, Kan.
First V. P.—Walter Doolittle, Lawrence.
Second V. P.—Vernon Paine, Admire, Kan.
Third V. P.—Ray E. Rudy, Soldier, Kan.
Fourth V. P.—Everett Farrar, Frankfort.
Secretary—A. L. Nichols, Topeka, Kan.
Treasurer—Abner Lundquist, Lindsborg.

Will you come to the entertainment, reunion and corn show of the Capper Boys' Corn Club next December?

It seems a long way ahead to be asking that question, but the chairman of the entertainment committee, who provides a railroad ticket to and from Topeka for each boy who attends, who sees that the reception committee meets him at the depot on his arrival in Topeka and who looks after his entertainment while he is a visitor to the capital city of Kansas, needs to know now who is coming so he can begin making these arrangements early. As this is going to be a great corn year, the next reunion is to be a bigger event than ever and the chairman is getting the names of the boys who want to come, or who now think they will be able to come to Topeka for the next reunion and show, Saturday, December 14, 1912—in order to know what provision to make.

If you think—nothing preventing—you can come to Topeka next December for the annual round-up of the Capper Boys' Corn Club, on the condition your expenses will be paid, write a letter or postcard to the chairman today, something like the following, so he can put you on his list:

Mr. L. J. Van Laeys,
Chairman Entertainment Committee,
Capper Boys' Corn Club,
Topeka, Kan.

Dear Sir—If nothing happens to prevent me from coming between now and that date, I expect to attend the next entertainment and reunion of the Capper Boys' Corn Club, December 14, 1912, at Topeka. You may put my name down on your list of those who expect to attend.

(Signed,

This is simply to let the chairman know that you want to come and that you will come if you can. It doesn't compel you to come. It is partly to provide against the mistake several of the boys made at the last reunion. They came to the show without notifying the chairman beforehand and got into trouble. The chairman says he will not be responsible for boys who do this and no provision will be made for entertaining those who do not notify him as requested that they expect to, or hope to, come to the show, and so give him an opportunity to communicate with them in regard to his plans for their entertainment and transportation expenses.

The first reunion held last January was such a success that the boys who attended it are eager to come back this year and are laying their plans already. Many of them said it was the biggest time they had ever had in their lives. The program included a sight-seeing tour of Topeka in automobiles, a visit to the State house, the election of officers and speech-making at a noon luncheon, an inspection of the prize corn and exhibits at the Capper Boys' Corn Show, a special afternoon performance for their benefit at the theater, and a dinner for them before their departure for home in the evening. This year the chairman hopes to show the boys a still better time and wants to know early about how many will come if they can. The invitation is for any and every boy who takes part in this year's corn contest of

the Capper Boys' Corn Club, or who signs the entrance blank today.

Boys Why Not Get in on This?

This is certainly going to be a record year for the farm boys of Kansas. The Hutchinson Fair has announced a corn and Kafir-growing contest that ought to make all farm boys sit up and take notice, members of the Capper Boys' Corn Club included. The fair management has divided the state in three districts, two for corn and one for Kafir, and each has a separate list of prizes. The Kaw Valley district comprises nearly all the eastern and northeastern counties, the Arkansas valley the central and southeastern counties, and the Kafir district includes nearly all of the western half of the state. There will be prizes for yellow corn and white corn ranging from \$10 down to \$1 for the first 10 places, in both corn districts, and similar prizes for red and white Kafir in the Kafir district. In addition to these prizes the two boys winning in each county will have their expenses paid to the fair at Hutchinson where they will camp on the grounds as the guests of the fair board. The Capper Boys ought to get in on this.

The fair management appoints the county superintendent of schools and two bankers in each county as a committee to choose contestants for their respective counties and this committee is asked to send in the names and addresses of all boys who are to enter the contest to the secretary of the fair at Hutchinson before April 15. Any other information regarding this contest will be gladly furnished by Secretary A. L. Sponsler, Hutchinson, Kan.

The Club's Fifth Annual Contest

In the fifth annual contest of the Capper Boys' Corn Club, now beginning, Mr. Capper will distribute \$300 in cash prizes to the boys of Missouri, Kansas and Nebraska. He offers also, a beautiful grand championship silver cup, valued at \$25 for the best single ear of corn grown this season by a boy living outside of those states. Any boy may take part in this year's Capper contests and become a member of the club by filling out the entrance blank printed below. The contests are free. Contestants may take part in as many other corn contests as they like. Prizes this year for the Kansas boys will be:

Best Acre-Yield in Kansas.....\$50 Cash
Best Ear from Seed of Own Raising \$25 Cash
Champion Single Ear.....\$25 Cash

A handsome American flag, 5 by 9 feet is offered to the district school in Shawnee county making the best 10-ear exhibit, by 10 exhibitors, all pupils of the school, at the fifth annual Capper Boys' Corn Show and Reunion to be held Saturday, December 14, 1912, at Topeka. The following prizes will be open to competition by all Shawnee county boys 20 years old or under:

Champion Ear Shawnee County....\$25 Cash
Second Prize Ear Shawnee County...\$15 Cash
Third Prize Ear Shawnee County...\$10 Cash

All ears submitted in school contest will also be entered for prizes in the Shawnee County Cash Prize Contest, these prizes to be awarded to the boys producing the corn. All contestants are to furnish their own seed and must do all the work of preparing the ground and planting and cultivating their crop themselves. In the acre contest each contestant will keep track of the number of hours' work performed by himself and his team and be prepared to render a detailed report of his operations on a blank to be sent to him at end of contest. The acre may be a part of a field of corn or a single acre.

Entrance Blank Admits Any Boy to Contest

TO ARTHUR CAPPER, CAPPER BOYS' CORN CLUB, TOPEKA, KAN.

Please enter me in your Fifth Annual Corn Growing contest, and admit me to membership in the Capper Boys' Corn Club for the year 1912. I agree to abide by the conditions of the contest. I promise to learn all I can about corn growing during the coming season. I am not over 20 years old.

My name is.....

P. O. or R. F. D.....

My age is.....

Properly filled and mailed as directed, this blank entitles the signer to the full benefits of the club and contest, without further notice or formality.

Jackson

No hill too steep
No sand too deep

Your search for real value leads straight to the Jackson

Here are the facts—the Jackson gives you the most, in every essential detail, for a given price.

The most in reputation—

For ten years we have been building automobiles—cars of consistently high quality; which have earned for the Jackson, national name and fame as a car of consistently good service. Each year we have learned; each year we have progressed; each year we have built better cars.

The most in size—

Wheelbase of 124 inches—ten feet and four inches—in the Model "52" at \$1800; 118 inches in the Model "45" at \$1650; 110 inches in the Model "32" at \$1100. Long wheelbase means long bodies—wider doors—more room—and greater comfort.

The most in power—

Fifty horsepower for \$1800; forty-five horsepower for \$1650; and thirty for \$1100. Where else can you find such generous power equipment at such prices?

The most in riding ease—

Extremely flexible and easy action assured by the four full-elliptic springs on each Jackson model; and the riding ease thus gained increased by big wheels and tires, and long wheelbase. From 33 1-3 to 100 per cent greater ability to absorb road shocks than the types of springs most generally used.

The most in style, finish, appearance—

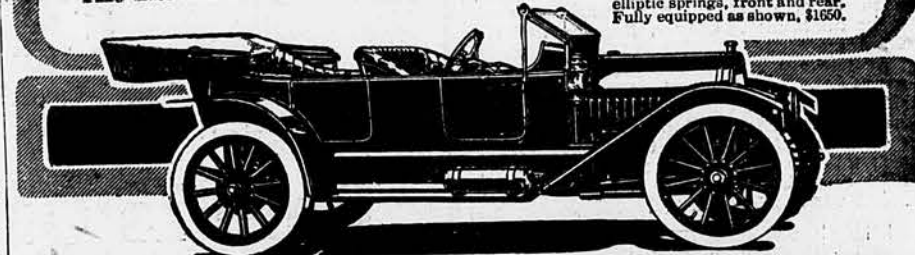
Flush-sided bodies, with all levers and door handles inside; long, low, clean-cut lines—true expression of the torpedo body idea. Perfect carriage work and all upholstery of the highest grade of leather.

All we ask of you is to make the Jackson your standard in your search for the greatest value and in your comparisons.

If you will do this, without favor or prejudice, and if your idea is to get the most for your investment, we predict that you will become a Jackson owner. Send for Catalogue.

Jackson Automobile Company
1415 East Main Street, Jackson, Mich.

Model "45"—Five-Passenger touring car; 45 h. p., 4-cylinder, long-stroke motor; 4 1-2 x 5 1-4 inches; 118 inch wheelbase; 34x4 in. tires; full elliptic springs, front and rear. Fully equipped as shown, \$1650.



\$29 50 Buys This Elegant Top Buggy.

WARRANTED FOR FIVE YEARS.

Retail Price \$60.00. Buggies, Surreys, Spring Wagons, Farm Wagons. We have cut out our Jobbers, our Wholesalers and our Retailers and offer YOU their profit. Write today for our Free Catalog and Delivered Prices. Mutual Carriage & Harness Mfg. Co. Station 38J, East St. Louis, Ill.



The Fire Cannot Spread

if your buildings are covered with

APOLLO

GALVANIZED
Formed Metal Roofing and Siding Materials

Fires from within are confined and smothered—while sparks and firebrands from without can do no harm. APOLLO Sheets are the logical material for building construction wherever there is any fire risk—and for maximum protection against all the elements they stand alone. These products can also be furnished Plain or Painted (not galvanized) and stenciled AMERICAN.

Write to-day for our book "BETTER BUILDINGS." It is a book of plans, and every building owner should have it. The book is free, but please mention your roofer or dealer.

American Sheet and Tin Plate Company

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Pac. Coast Representatives: U. S. Steel Products Co., San Francisco, Los Angeles, Portland, Seattle