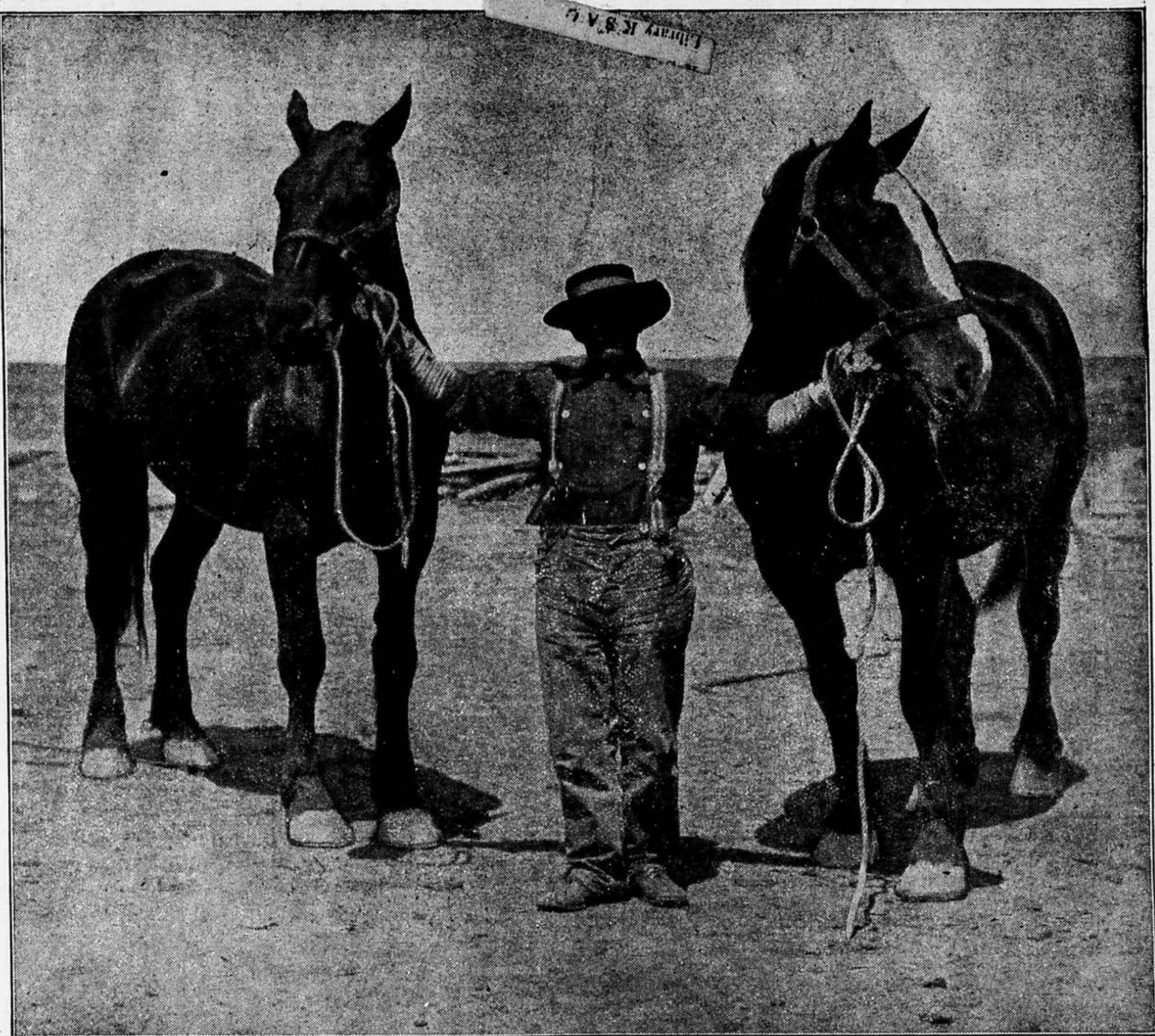


# THE FARMERS MAIL AND BREEZE

Volume 42

March 30, 1912

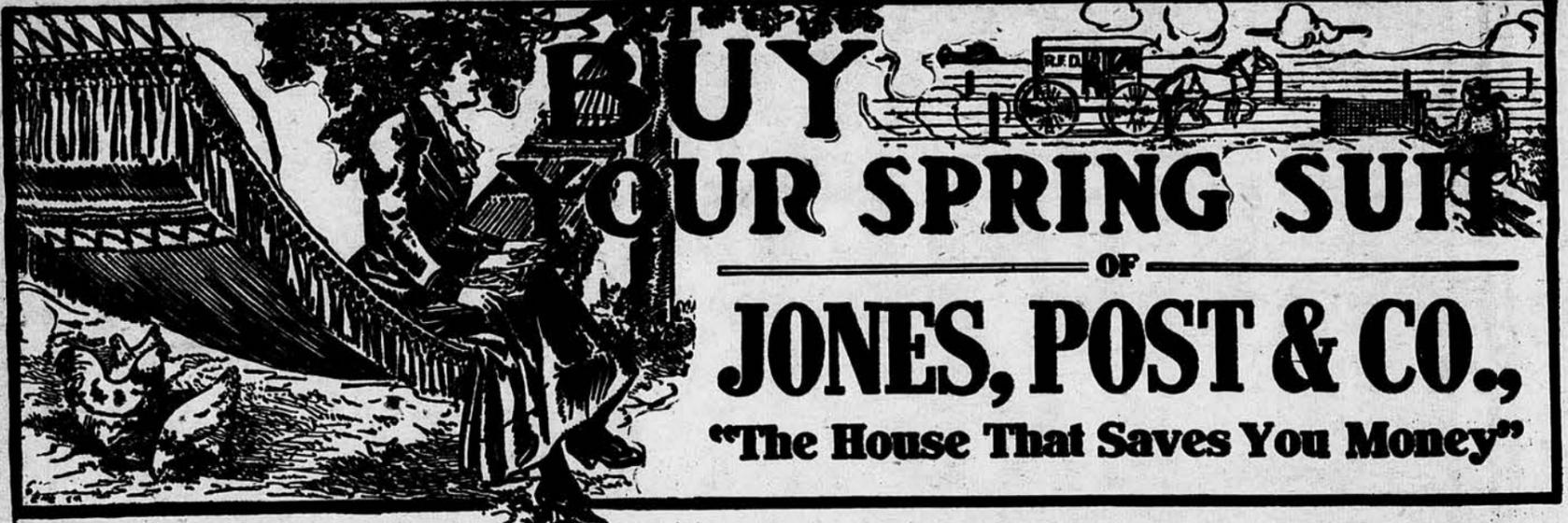
Number 3



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# THE FARMERS MAIL AND BREEZE

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



Volume 42  
Number 3

TOPEKA, KANSAS, MARCH 30, 1912.

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## ABOUT THE SILO AND WHAT COUNTS IN ITS FILLING

IT SHOULD be as much an ambition of the farmer to conserve the fertility of his land as to derive profit from its products. Using his grain and forage for maintaining and fattening livestock affords by all odds the most practicable and economical method of upbuilding the soil. It has been clearly demonstrated that long-continued selling of products directly off the farm inevitably results in such impoverishment that production ceases to be profitable. One factor in obviating this is the use of silage, and it is encouraging to note the marked increase in its popularity.

Increase in the use of feed in this form is indicated by a recent compilation of the United States department of agriculture, the first dependable data. It reveals that every state, except Nevada, uses more or less corn for ensiling. Of the country's plantings 5 per cent, or 5,291,250 acres, was cut for silage in 1911, and 3.5 per cent, or 3,641,225 acres in 1910. The North Atlantic states used a greater proportion for that purpose than any others, or 18.8 per cent. The largest increase was in the North Central states west of the Mississippi, where the per cent in 1911 amounted to 6.2 as against 3.7 per cent the preceding year. Of these, two states, Kansas and South Dakota, gave twice the area to silage in 1911 that they did in 1910.

The figures show Kansas as having so used 5 per cent of the corn acreage of 1911, or about 20,000 acres, as against 2.5 per cent of the planting the year before. Vermont ensiled a larger proportion of her corn than any other state, or 62 per cent, while Kansas, with her 5 per cent, actually cut more corn by 361,000 acres. The department attributes the general increase to the shortage of hay in 1911, owing to dry weather. This makes it apparent that the silo is coming into quite general esteem as protection against such seasons, and if the experience of 1911 multiplies the silos in Kansas the lessons of that year were valuable.

While corn, clover, cowpeas, millet, sorghum, soy beans, Kafir, milo and even alfalfa, are used for the purpose, unless otherwise specified, silage ordinarily means the corn plant and its grain unshipped but matured, cut in lengths of 1/2-inch to an inch, stored and fermented in a silo. Thus far other crops so used are comparatively insignificant, although in regions of frequent rainfall at that particular time of year the silo affords an excellent means of saving entire the first cutting of alfalfa.

Whatever crops are intended for treatment in this way should be grown as near the silo as practicable, thus shortening the haul; also, if the crop is on higher ground than the silo the pull will be easier, which is worth bearing in mind. It has been found advisable to plant corn a little thicker for silage than for grain, to develop somewhat nearer the proper proportion of ears and stalks. The ordinary varieties, having large leaf surface, should be given preference. An increase in the rate of seeding of perhaps 25 per cent is advised, which will give more stalks and smaller, but more ears, whereby a greater amount of digestible matter is secured than when the aim is mainly for large ears. An objection to the thicker planting, and especially on thin soils, is that in dry weather the roots may not be able to deliver enough moisture to the plants for their full development, but the acreage required by the ordinary farmer for the particular purpose is comparatively so small that he can well afford to plant on rich ground, and give the crop special attention. All things considered, the

### The Second of the Three Articles on the Silo and Its Relation to Kansas

By F. D. Coburn

Written Expressly For Farmers Mail and Breeze

thicker planting seems best, and to insure an abundance planting some Kafir would be wise. If not needed or desired for the silo, it would be found useful otherwise. It is not unusual for an acre of silage corn in the corn belt to yield 15 to 20 tons per acre. Last year in some localities Kafir yielded 12 to 15 tons, while Indian corn in adjacent fields was practically a failure.

Corn is king of silage plants, on account of its heavy yields, the excellent ration it provides, and the economy of its ensiling, as the whole plant is utilized. Kafir gives promise of meaning to the Southwest not only what corn does to the corn belt as a grain, but also as a silage crop; and it is sure throughout vast areas where corn is not.

Corn is at its best for silage when the grain has hardened past the milk stage, when the more ad-

other conditions. At the Iowa station it has cost in eight years 60 to 75 cents per ton, the higher being due to wet grounds or longer haul. Hauling with seven or eight teams, 100 to 125 tons have been stored in a day. As there is, broadly speaking, a period of about two to four weeks for this work, community-partnership is quite feasible. The corn-binder or harvester is a great aid in this work.

The corn is almost invariably cut in lengths of 1/2 to 3/4 inches. Such lengths favor packing that excludes air, prevents mold and makes a convenient, palatable feed. As to whether the filling should be done slowly or rapidly there are differences, but it depends to a considerable extent on convenience. Both ways have proven satisfactory, and where a man has his own equipment, filling at intervals, allowing the freshly cut corn time to settle is satisfactory. With some such neighborhood co-operation as has been suggested, it would probably be advisable to fill the silo in each instance without delay. The only disadvantage is that later when the mass has settled the silo will not be full. The gasoline engine is becoming quite popular in this as in other work.

In distributing the material in the silo it is better to keep the outsides packed a little higher than the center. In this way the light and heavy particles are evenly distributed, which prevents air pockets and consequently moldy streaks. Some men do not believe tramping the corn in the silo is necessary, but the experiment stations recommend it, especially about the sides and when within a few feet of the top. Close packing is important to quality.

If using is not to begin at once it is a good practice to strip the ears off the last few loads of corn and cut the stalks for the top layer, which should be tramped well, and then several barrels of water poured over it. One Kansan, as he was harvesting his cowpeas in September, put a few loads through the cutter to "seal" the corn he had just finished putting in, and says it served the purpose the best of anything he had used.

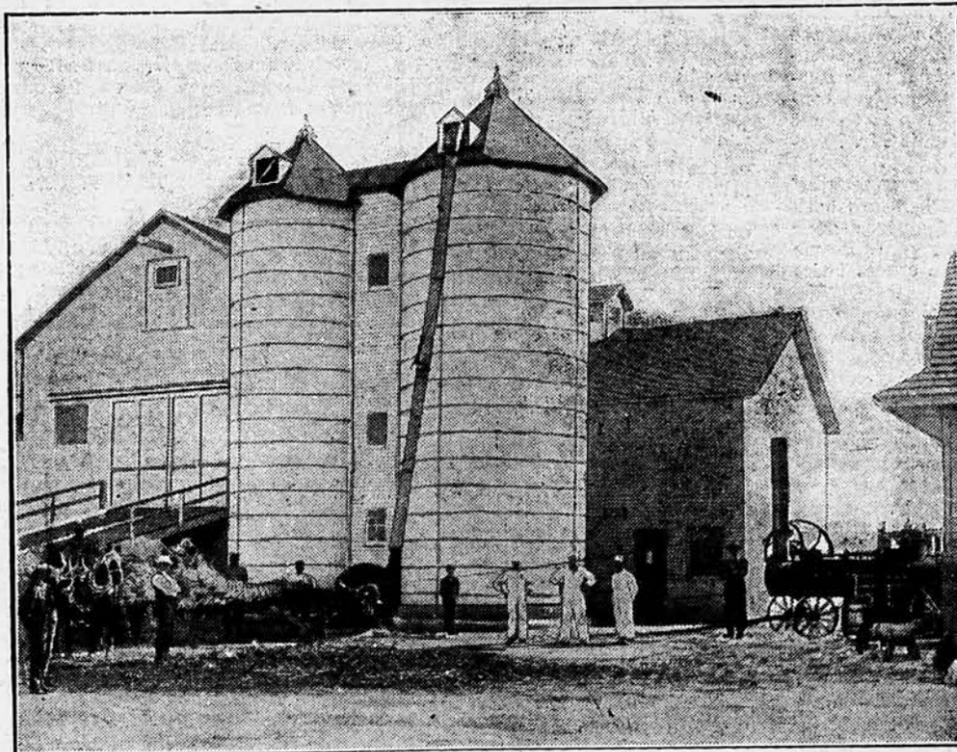
Forethought and intelligence count in filling, and those taking the most pains are well repaid.

Roughage of some kind is, of course, used with ensilage, and that found best is clover, alfalfa or cowpea hay. It is relished by all livestock, affords a palatable, economical feed of the highest value, and as a supplement to pastures it is in growing favor. Thus far, however, greatest stress has been given to its value as a winter feed, supplying in that season a ration approximating June pastures, maintaining a flow of milk in dairy cows otherwise not probable. W. A. Henry in his "Feeds

and Feeding" shows that corn silage yields more pounds of digestible nutrients per acre than any other crop.

While the value of silage as a milk ration has long been known, the beef-makers have recently been reaching out to secure some of its advantages to aid them in reducing the cost of production, one authority stating that "beef that is costing 10 cents per pound to manufacture can be produced on silage feed at 5 cents per pound;" that "money invested in a silo will pay 100 per cent on the investment the first year, and that 10 acres of good corn in a silo will afford more and better feed than 40 acres of hay."

F. D. Coburn



For filling the silo the gasoline engine is becoming quite popular. Some men do not believe tramping the corn in the silo is necessary, but close packing is necessary to quality and the experiment stations recommend it. Those taking most pains are well repaid.

vanced ears are dented and the husks and lower blades are taking on a tinge of brown. Harvested much earlier there is a deficiency in quality. It is better to put it into the silo a little too ripe than too green, for two weeks, say, preceding maturity there is a rapid increase in quantity of nutrients. The more food nutrients it contains the more valuable of course, but there should be sufficient moisture to insure the desired fermentation. Animals given silage made from immature corn are apt to scour badly.

Four or five or more owners in a community might profitably purchase the necessary machinery in partnership and exchange labor when filling their silos. This would eliminate one of the chief objections urged, that of the expense and hired labor. The cost of this depends on length of haul, weather, yield, and

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**PASSING COMMENT**  
by  
**T. A. McNeal**

**KICKS ON SCHOOL METHODS.**

J. P. Freeman, of Menno, Kan., has a complaint about the manner in which the school is being conducted in his neighborhood. Gentlemen who have migrated to this fair land from Russia, according to Mr. Freeman, are in complete control of the school district affairs and run it to suit themselves, which evidently does not suit Mr. Freeman.

"We are supposed," he says, "to have seven months' school taught in English, but the teachers are both Russians, also all the school board, so they teach four classes in German every day while they recite in one English class once a week and in some others twice a week."

Mr. Freeman says he took his troubles and complaint to the county superintendent, but with no avail. "Then," he continues, "I wrote to the state superintendent and he had the gall to congratulate me for living where German was taught with district money."

Getting no satisfaction from the state superintendent, Mr. Freeman addressed a letter to the attorney general of the state and another letter to Governor Stubbs, both of whom turned his letters over to Mr. Fairchild, who again wrote him, giving him no more satisfaction than he had given him in his first reply.

"Then," he says, "I wrote our district judge with no avail, then went to our county attorney, who said that he could do nothing if both county and state superintendents were favorable to the present arrangement. So there it is."

Taken altogether Mr. Freeman is not in a pleasant frame of mind. He says, in concluding his letter, "I hope every voter in Kansas will notice the kind of officers we have at the head of our state government. We could get teachers for less money who could not teach German, but we pay these teachers \$80 per month just because they can teach German. I think this is a curse to all the taxpayers in Kansas. The idea of robbing our families to support a set of officers who live in luxury and then favor a set of foreigners."

What have the governor, superintendent and attorney general got to say to this I wish to know.

**THE FUTILITY OF REGULATION.**

At an expense of a million and a half dollars for high-priced government lawyers and no one knows how much more for general court expenses, after years of labor, it was announced with a sigh of relief and satisfaction that we had at last dissolved two great trusts, the Standard Oil and the Tobacco trust.

When an individual business man is busted it means that he is put out of business, financially injured, his business and stock sold by the sheriff or receiver appointed by the court. In the cases

of the Standard Oil and Tobacco trusts the effect seems to have been just the opposite. Neither one has been put out of business.

Standard Oil stocks have reached a price never heard of before in the history of that remarkable organization. The consumer finds that instead of buying the products manufactured by the Standard Oil cheaper he has to pay more than he did before.

The Standard still controls the oil business and that includes all the by-products manufactured by that great concern. Who has been benefited? Nobody, apparently, except the lawyers and the holders of Standard Oil stocks.

If there ever was a case of big smoke and little fire, of a big noise and no beneficial results this is one. The old case of the mountain in labor that brought forth a mouse no longer holds the record for tremendous labor with little result.

The fact is that the Standard Oil and the Tobacco trusts are in better shape than they have ever been for the reason that now they are protected by edicts of court and can if they choose put their competitors out of business without fear of interference by the courts.

The various companies that were merged into one and made up the great Standard Oil company are now separated. The court says so and surely the court ought to know. But the same people who owned the old Standard organization now own the separate organizations. Where there is bothersome opposition now the separate organization can put down the price of oil and its products to such an extent that the independent concern will be forced out of business.

Of course that particular Standard Oil company will lose money, but what of it? Other Standard Oil companies where there is no independent opposition can raise the price of their product enough to make up the difference, and they are safe in doing it, because theoretically every company is an independent concern and at liberty to charge what it pleases for its products. It is a beautiful arrangement—for the Standard Oil.

We have been busy regulating the railroads. Departments have been added to departments. Suits have been piled on suits. The costs of courts, boards and lawyers have mounted up into the millions, but discriminations still continue and the transportation problem is not solved.

Regulation is an expensive luxury, a failure so far as practical results are concerned, or nearly so, but it was necessary to go through the experiment in order to bring about public ownership, which is the only reasonable solution.

Our railroad commissions high and low have been trying to regulate rates on the old competitive theory, which is founded on the principle that rates should be built on what the traffic will bear. That theory is so manifestly unjust that it is remarkable that any intelligent man will still have the gall to defend it. It is the old theory of taking from the weak because they cannot help themselves, and giving to the strong because they can. It is the theory of the highway robber protected by the sanction of law.

The advocate of governmental regulation contends on the one hand that we are not capable as a people through our chosen government agents of owning and operating the business of the railroads, but that we are capable of telling the railroads how they should operate their own business.

Regulation is illogical in principle, tremendously expensive in practice and of little or no benefit to the masses of the people who have to pay the bills.

**PROPOSE TO ABOLISH THE SENATE.**

Representative Lindbergh, of Minnesota, proposes to abolish the senate of the United States, and reduce the lower house to a membership of 300. Three hundred representatives are perhaps 100 too many, but what I fear about the Lindbergh plan is that it does not seem to provide for necessary checks on the power of this single house.

In the several states it would be entirely feasible to abolish both houses and substitute for them a single house of not more than 30 members with a check placed on the power of that body by a referendum to the people, the legislative body being limited in the measures that it could submit to the people for their ratification or rejection, to such a number that the people could have ample time and opportunity to study and understand them before voting on them, but in the case of the United States the referendum, it seems to me, would be so tremendously cumbersome that it would not be practical.

I have a great fear of placing unlimited power in the hands of a few men either in congress or in the state legislature. Experience has demonstrated that it is vastly easier to corrupt a legislature than it is to corrupt the whole body of the people and it is also easier to corrupt the smaller of the two bodies of the legislature than it is to corrupt the larger body.

Corporations have always looked to the senates of the states to get what they wanted in the way of legislation or to prevent the enactment of legislation that the corporations did not want. This is not because the members of the senates are worse men individually than the members of the house, but because it was easier to control a small body than a large one.

The demand for the popular election of United

States senators has grown out of the notorious fact that corporations have so often controlled the election of senators. A few years ago in our own state of Kansas a man was elected to the senate as the result of a bargain he made with a railroad company to support one of its hirelings as a candidate for a place on the federal bench. The fact that the senator was a Republican and the lawyer to be appointed was a Democrat, cut no figure in the case. Political names cut no figure with the men in control of the railroad corporation. What they wanted was one of their men on the federal bench.

There were two prominent candidates for the senate. The other candidate had been given the same offer of railroad support, but did not make the required promise. He was defeated and the man who did make the promise was elected to the senate by the combined influence of the railroads, which supported him on the strength of his promise.

Fortunately, the railroad lawyer was not appointed. I say fortunately, although I am not certain that the man who was appointed was any less a tool of the railroads than the one who was not appointed. However, it may be said that the senator did his best to carry out his part of the agreement.

Four years later the other candidate, who had refused to give his promise of support of the railroad lawyer and tool, made his peace with the railroads and he was sent to the United States senate. I do not know what promises he made in order to secure their support, but I have never heard that they were not willing at any time to pronounce upon him the encomium, "Well done, good and faithful servant."

I mention these cases simply to show that it is not safe to place unlimited power in the hands of a limited legislative body. Legislators are not always bought with money. That form of bribery, I think, is the exception, but there are more dangerous and effective means of bribery than cash. The representatives of corporations wanting legislation or the defeat of legislation are experts on human nature. It is their business to find out how each individual man may be reached.

Often the legislator is reached by an appeal to his vanity. Often by promises of favors to be bestowed in the way of office or business. By one form of influence or another they can reach enough of the members of a small legislative body to secure what they want. Here is the only objection that I see to the Lindbergh proposition. It would place a tremendous power in the hands of a single legislative body, without so far as I can see any adequate check.

Of course, such a change would require an amendment to the constitution, to which the consent of the requisite number of states could not in all probability be obtained at present. When the people get ready for it some way to put a proper check on the legislative body may be devised. If there can be, then I, for one, am for it.

**LINDBERGH AND THE ALDRICH PLAN.**

The most able review and criticism of the Aldrich currency plan that I have seen is the speech made by the congressman, Lindbergh. I have not, however, seen where he has proposed another plan to take the place of the one he so ably criticises.

It is not of much avail to simply denounce a proposed change in the currency laws unless you have a better plan to offer in its place. For example, had as I believe the Aldrich plan to be it must be admitted that it would probably be an improvement on the system we have now, so that unless the opponents of it have something better to offer it is likely to be adopted.

There are certain things that it appears to me must be kept in mind in preparing a currency system. The money of the country must be stable in its relation to the value of things to be exchanged. Instances have been numerous where the people of this and other countries have suffered from a greatly depreciated currency. That meant that there was not a proper relation between the medium of exchange and the things to be exchanged.

If, for example, the government of the United States exercising its sovereign power should suddenly issue 30 billions of dollars of legal tender notes the effect would certainly be disastrous for the reason that all proper relation between the volume of the medium of exchange and the things to be exchanged would be destroyed. People might be forced by edict of law to accept this money in payment of debts owed them at the face of the debt, but the man for example who had corn or wheat to sell could not be compelled to accept this money in payment for his wheat or corn. The purchasing power of the currency would inevitably decline until in all probability it would have almost no purchasing power at all.

That such a condition would be most disastrous to the business of the country and especially to the people who work for it seems to me is not a question for argument. I think any sane man will admit that it would be. We are not suffering even now from a lack of volume of currency. The present volume is perhaps sufficient to supply the needs of the country fairly well if it kept active.

As civilization advances the demand for currency does not keep pace with the increase in the total volume of business. People come more and more to exchange credits rather than actual money. If the citizen wants to make even a small purchase of goods at a distance from his home he does not send the

actual currency in all probability. He will go to the postoffice and buy a money order or to the bank and buy a draft.

The reason for this is because it is safer to send the credit in the form of the money order or the bank draft than to send the currency. Perhaps a majority of men even pay their monthly bills at the grocery and dry goods stores by check rather than in currency for the reason that the check itself is a receipt for the payment of the bill in case any dispute arises as to whether the bill had been paid or not.

It is, therefore, not essential that we have a vast volume of currency, but the fact still remains that currency, it may be gold, silver or paper, is the basis of the system of credit exchanges that have so largely taken the place of money in the transaction of business. In my opinion it is not fair that this base should be in the hands of private parties or associations.

When the control of the currency of the country is left to private individuals or associations to be used for profit there is always the tendency on the one hand to over-inflate the volume of this currency at times when speculation is rife and there is an extraordinary demand for currency, and to hoard the currency and thereby violently contract it at times when the reaction comes from the speculative period.

I am not disposed to heap abuse on the persons and associations who either over-inflate or contract the volume of currency. They are acting according to the law of self-preservation and self-advantage. If there is a great demand for currency they are almost forced to increase the volume in order to meet the demand. If, on the other hand, there is a business reaction they are forced to hoard the currency in order to protect the institutions they control from bankruptcy.

This has driven me to the conclusion that the control of the volume of the currency is or ought to be a public, a governmental function. While I do not believe that intrinsic value is necessary in the material out of which the money is made, I would not unnecessarily disturb the commonly accepted theory that gold is the ultimate money of redemption. Let the theory stand for the present, but let the government be the sole purchaser of the gold that is to be used as the money of redemption until the business world is educated up to the belief, as I think it will be, that money is simply a medium of exchange and that its purchasing power does not depend on the intrinsic value of the material out of which it is made.

Now, instead of handing the control of the volume of currency over to an association of individuals whose business is to collect interest on it, I would make the government the sole power to issue money. It would not be to the interest of the government, representing the whole people, to speculate in money to make it excessively plenty at one time and excessively scarce at another, but it would be to the interest of the people to keep the supply of money as nearly related to the normal volume of business as possible.

It can be ascertained from year to year how much the farms, mines and factories of the country produce and how much or about how much currency is necessary to affect the exchange of those products. Whatever that may be is the normal volume of money. More than that is a redundancy, less than that causes stagnation of business and widespread disaster.

With the government in exclusive control of the currency of the country it will be possible not only to avoid such panics as convulsed this country in 1907, but it will also be possible to very materially reduce the burden of taxation to the people.

Under the Aldrich plan the choicest securities that will be deposited with the Central Reserve association will be good municipal bonds. They are now very properly regarded as among the choicest kinds of securities. Let the government permit choice municipal bonds to be deposited in the United States treasury, bearing 2 per cent interest and issue to the municipalities currency to the amount of the municipal bonds deposited.

This would relieve the municipalities of from one-half to two-thirds of their interest charges and at the same time bring into the treasury of the United States a revenue of approximately 40 million dollars per annum.

As fast as the bonds of the United States fall due they should be paid in full legal tender United States notes. I have no objection if the notes are made payable in gold, as the present greenbacks are in fact, although it is not so specified on the face of the greenback. This would in the course of a few years relieve the government of all interest on its bonds amounting to something over 20 million dollars per annum. The money paid out by the government in liquidation of its bonded debt would go into the channels of trade and thus benefit the business of the country.

We do not want an inflated currency, neither do we want to see the money of the country hid away in bank vaults when it is most needed. Neither do we want to see the bulk of it drained into Wall street and loaned to stock gamblers at times when the country needs it in the transaction of legitimate business.

**CONGRESSIONAL ECONOMY.** Some time ago there was a pretended effort made to cut out the mileage graft that members of congress have enjoyed for half a century. When the government of the United States was organized

members of congress received a compensation of \$6 per day and I believe even this was restricted to the days actually served.

At that time there were no railroads. The swiftest method of travel was by stage coach or horseback. As many of the members had to travel over roads that had only recently been cut through the woods the progress was slow and laborious. Probably 20 miles a day was better than the average rate of travel. If a congressman lived as far from Washington as Coolidge is from Topeka it would require at least two weeks of hard travel for him to get to Washington. Twenty cents a mile was probably not more than sufficient to pay his actual traveling expenses at that time.

At present, however, if a congressman resides 300 miles from Washington, he gets on a fast express train making at least 40 miles an hour and in seven hours and a half he is in the capital of the nation. His railroad fare has cost him \$6. His Pullman and one meal in diner have cost him \$3 more, a total expense of \$9. He draws from the public treasury \$60 mileage or a clear graft of \$51 for seven hours' time. Of course, the farther he travels the greater the graft.

Kansas congressmen draw between \$500 and \$600 mileage per session, while their actual traveling expenses coming and going will probably amount to \$60 or \$70. The California congressmen each pluck about \$1,500 per session, I think, while the delegate from the Sandwich islands pulls down in the neighborhood of \$2,500. The delegate from the Philippines will probably draw twice as much as the one from the Sandwich islands.

A few years ago congressmen voted themselves an increase of salary from \$5,000 to \$7,500 per year. It would have seemed that in view of the increase in salary they would have been willing to cut out the mileage graft, but it was not so, Pauline.

**THE DOG AND THE FLEAS.** A large fat dog acquired a bunch of hungry fleas. These insects plainly enjoyed the taste of dog and further it was evident that this dog was their proper meat.

For a good while the dog, who was one of the best natured of his tribe, stood for this feeding, but finally he became considerably peeved and entered an objection that was intended to be a word with the bark on it.

"Get off my carcass, you dod swizzled loafers," said the dog. "I am sore to the bone on account of having to feed you and all your kin."

"What seems to be hurting you?" asked the chief spokesman of the flea tribe, arrogantly, as he took another nip. "If you knew as much as you ought to know you would realize that we are a great blessing to you."

"How the jumping Jehosaphat do you make that out?" howled the dog.

"It is this way, Tows," said the flea. "We are consumers, you see. Now, if there was nobody to consume your surplus flesh what would be the result? In a few months you would get so fat you would probably die from apoplexy."

"Again, without us your mind would grow sluggish and from lack of exercise you would become stiff and unfitted for the chase. We keep you occupied. We have formed a combination with the flies to see that you are kept alert and busy and in constant training. When you are not biting at one of us you are snapping at a fly, thus keeping both your mental and physical faculties stimulated to the highest pitch."

"What, I may ask, would be the object in your hunting for bones and other food calculated to make flesh if there was no one to devour the flesh after it was accumulated? If you were not an ungrateful cur you would see that we are your benefactors, the consumers of your products."

"Yes," said the dog as he bit viciously at the flea where it had been, but where it was not when he bit, "I understand that you are consuming what I produce all right, but I would like to know just where the — I come in."

**INCREASED NEWS-PAPER POSTAGE.** Editor Greason, of the Miami Republican, is evidently not an ardent supporter of President Taft. In a recent issue he says:

President Taft recommends that the postage rate on newspapers be doubled, in addition to the limitations and restrictions heretofore applied by his postmaster general. This is absolutely unfair, unjust and unwarranted, and if the newspaper publishers of the United States had the sense that geese ought to have and as much sand as the trust puts in its sugar, not one of them would support Taft until he acquired proper information on this subject. The cost of running a newspaper is constantly increasing, while the income is at a standstill or diminishing.

Why should President Taft and his postoffice department direct so much of their energies and efforts against the newspapers? Do subscribers want to pay more for newspapers? If not, write at once to your senators and congressmen and ask them to vote against this proposed increase in postage rates. If the newspapers and their friends will go after the members of congress and point out to them the unfairness of this proposition, it can be defeated, otherwise the postoffice department will force it through.

It used to be claimed that the deficit in the postal revenues was caused by the low rate of postage on newspapers, but it has been disproved by facts. Even as it is the newspapers pay as much as it costs to carry them in the United States mails and are bearing a part of the unnecessary expense of deadhead matter

that is sent out under congressional frank. If the government did not permit itself to be held up on mail contracts and made congressmen pay for their postage like ordinary citizens, the showing would be still better than it is.

**A KICK FROM A WOODMAN.** With the desire that both sides to the present controversy in the Woodman order may have a fair hearing, I publish the following letter just received:

Editor Mail and Breeze—In the Mail and Breeze of March 16, you endorse the action of the head camp in raising the rates. Now, a few words from a kicker and a camp clerk for 13 years. What do we want of a great big surplus? We have always claimed to do business at cost, yet in the past few years we have accumulated \$6,619,699.66 in the investment fund with from eight to 11 assessments and \$2,811,407.73 in cash. (See March paper.) The new rates and 12 assessments will bring in about three times as much as the present receipts.

The head clerk claims that there is no profit on lapses, yet in the mortality report, Volume III, statistics show viz:  
Lapse 1884 to 1910 inclusive.....616,001  
Deaths 1884 to 1910 inclusive..... 53,628  
Average lapse rate per 1000 members..... 82.91  
Average death rate per 1000 members..... 5.24

Where in the law do we find authority for the head officers to employ actuaries at the expense of the society? How much do the head officers spend each year on their trips around the country? We have no way to get our side before the people. They have the general fund to foot their expenses from. They own the editor of the Modern Woodman of America and he dictates what shall go into the paper.  
J. W. CAMPBELL.  
Plevna, Kan.

### MR. CAPPER'S NEWSPAPERS STAND FOR THE PEOPLE

From the Topeka Capital, March 21

Almost alone among the daily newspapers of Kansas, the CAPITAL supports the doctrine of popular sovereignty. In it alone may the people of this state find faithful reports of the progress of the campaign of the progressives, in state and nation, for the nomination of Theodore Roosevelt. Alone among the newspapers of this state, the CAPITAL advocates the cause of progress as opposed to the cause of reaction. It stands resolutely for the establishment of the supremacy of the people over government, for government conducted by the people for their common welfare, as opposed to government by plutocracy for the benefit of Special Privilege and Private Interest.

The CAPITAL holds enlightened views and advocates progressive doctrines in questions of economics as in affairs of politics. It believes heartily, not only that it is the right, but that it is the duty of labor to organize. It believes in the principle of collective bargaining, for only thus can labor secure for itself a fair share of the fruits of its toil.

In order to maintain the standard of American living, government asserts the right, through the protective tariff, to empower domestic manufacturers to charge more for their goods than they could charge under free trade conditions. When that act of national benevolence is perverted in practice by greed to private profit, and the intended beneficiaries of the protective policy are deprived of its benefits and compelled to labor for starvation wages, the CAPITAL asserts the right of government to establish a minimum wage. If the government has the right to impose tariffs to protect American labor it certainly has the right to provide that American labor shall receive the protection.

Economic questions are not abstract, remote, academic problems. They are woven into the very fabric of the campaign now in progress. They are vital factors in the lives of millions. As they are solved in the public interest or solved in private interest, the people are happy and content or they toil in wretchedness and die in misery. The new social consciousness teaches the supremacy of human rights over property rights and that consciousness has become an integral part of the conscience of this newspaper. The CAPITAL stands for whatever increases the sum of human happiness and necessarily, therefore, is progressive, supports progressive policies, that would destroy the power of plutocracy in government and supports Roosevelt, who is a champion of popular sovereignty.

There is no other newspaper in Topeka that asserts those principles, advocates those policies and supports that candidate. In it alone can the progressive people of Kansas find faithfully chronicled, day after day, the march of events toward the success of the progressive cause. Only in it will they find declared and defended the principles through the triumph of which government may be wrenched from the service of money to the service of the people and the rights of living, toiling men and women be established as far more sacred than the rights that attach to inanimate accumulations of dollars that are merely canned labor.

Proud of the support it has received and rejoicing in the confidence it has inspired, the CAPITAL pledges itself to the people among whom and for whom it is published and maintained never to cease this conflict until justice triumphs and government becomes the true expression of social righteousness.

*Arthur Capper*

## 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 seasonable 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.

St. Patrick's day saw no potatoes planted in this corner of the world. One year ago that day most of the early garden was made in this neighborhood, oats were sown and grass was starting.

Did the snowy, wet cold weather kill the chinch bugs? It should, but we fear there is no such good fortune in store for us. Young bugs are easily killed by cool, wet weather but old bugs are tough, hardy critters.

A good roads meeting was held in Burlington the other day which we should like to have attended but the roads were in such condition that we could not think of making the 12-mile drive. The attitude of most everyone in this part of the state is about as follows on the road question: They would like to have good roads mighty well, but would hate like sixty to pay for them.

All this good roads agitation will in the end come to just this: We can have good roads when we dig down in our pockets and pay for them. We can meet, we can resolute and we can talk good roads until Debs is elected president but unless we raise money and build them we will never get them. Will it be done? That is for the people to say.

Hog prices have been on the up-grade this week, due partly to the roads being in such condition that hogs could not be marketed in most of the West. But we think the price would have been good whether or not the roads were. It seems to us that the hog prices must hold good all summer. Pork is the cheapest meat now on the market and that will help the demand for pork products.

Men who have sized up the situation say that cattle fit for beef are scarcer than they have been in many years and that a great part of the fresh meat supply will have to be cut out of hogs until grass beef comes at least. There is a limit to what the ordinary run of people will stand in beef prices and that limit is nearly reached.

In figuring up the price situation there is another thing to be considered. It is certain that the cellars of the packers are well filled with pork. In other lines a supply like this would tend to cut down prices but with the control the packers have over the market it works just the other way. When they get big supplies on hand they turn to and support the market. In order to cash in their winter pack they have got to hold up the price of hogs and this it seems certain they will do.

It seems almost certain that grass beef, especially the first that comes on the market, will bring a high price. But we have noticed that there is nothing so uncertain as the course of the livestock market. What looks like a sure thing many times turns out otherwise and even the packers, who should by rights know more of the market than anyone else, are often badly fooled. But we hardly see how the stockmen are going to be fooled out of a good price for their grass fat stuff. It has cost more than ever before to winter it and they are entitled to all they will get.

It seems to be pretty certain that the distillers are not buying Kafir corn to make into whisky. Not but that Kafir would make good whisky, but that it is too good for them. They buy the very worst stuff imaginable to distill using all the rotten corn they can get hold of. In Illinois they are always in the market for the rotten stuff that Kansas farmers throw under the wheels of the wagon, when husking, for fear of the stock getting hold of it. No corn is too rotten or too wormy and for this rotten corn, that we think hardly fit to burn, they pay 25 cents a bushel.

This winter has brought out more than the usual crop of spelling bees and the results are bound to be good. We are all mighty deficient in spelling and it would seem that the business colleges are especially backward in teaching it. They can turn out graduates by the hundred who can make pot hooks and hangers and who can make a typewriter rattle like a 16-year-old buggy, but they do fail to turn out stenographers who can spell. It is very allowable to miss some words but our schools should at least try to turn out graduates who can spell the common, every-day words.

In the usual run of spelling schools it is many times the common words that floor the spellers. They study the spelling book in preparation for the event and dig up the odd and obsolete words because they catch the eye and look hard. Thus it is that the whole school is prepared to spell "xebec," "hautboy" and words of that caliber but go down like a row of ninepins on "sugar-bowl." This is not an imaginary case, for we once saw a whole row of spellers go down on that very word.

We have a letter from a friend at Effingham, Kan., referring to that family of beggars who have been traveling the Kansas roads for the last year or more. They worked the whole territory around Effingham, going up one road and down another but never by any chance hitting the same place twice. They told the same story they did here, only substituting localities. Here they said they were trying to reach Topeka on foot where they had friends and that they had lost their horse down in Woodson county. At Effingham they said their horse had died near Hutchinson and that they were trying to reach White Cloud. The party consists of a man, woman and two children, a boy and a girl. They are without doubt professional as well as systematic beggars and if they appear in any locality where this is read they should be attended to by the proper authorities.

This brings up the question as to how far it is wise to go in feeding tramps and beggars. We do not believe one case in a hundred is a case of genuine poverty. Many of those who ask for food are merely tramping the roads because they like to. It is idle to say that they are not able to work; a man who is able to travel day after day is as able—and perhaps more so—to work as the average farmer. Why should we be compelled to provide for such people? They are a menace to their betters who dwell in isolated localities and instead of being fed should be promptly sent along or else turned over to the authorities. Many say they do not like to turn anyone away but it is coming to be a matter of self-defense among farmers. We do not want this scum at large in our country neighborhoods; we want the highways made safe for women and children. In order to have them safe we must make tramping unpleasant instead of profitable.

We are glad to think we have made no mistake in voting for Congressman Jackson. So far he has sent us no garden seeds and we have received no letter from him in which we are addressed as "esteemed friend" and which is subscribed as conveying the writer's "kindest regards." Mr. Jackson is doing well. But seriously, why do not congressmen vote to cut out the free seed graft and for the establishment of a real parcels post? We don't want the seeds and we do want a parcels post worthy of the name. Heretofore congress has insisted on giving us what we don't want and withholding what we do. Please, Mr. Congressman, put that seed money into improving the postal service and we will stand ready to forgive many things.

# AMERICAN FENCE

## ORIGINAL & GENUINE

## STEEL POSTS & GATES

THE pasture is the mother of the farm. The permanent pasture should be divided into fields by the use of woven wire fences.

Fields should be of such size that each one will be pastured off in from 8 to 10 days. The number of fields will depend on the growth of the grass. By dividing the pasture the grass is evenly cleaned up and an intense use is made of the whole pasture. To save time the pasture should be provided with gates, handy, easy to open and not too small. Pasture is the mother of the farm, and live stock must have freedom.

American Fence is made of large, stiff wires, galvanized heavily, having the American hinged joint (patented), a fabric most flexible and wear-resisting. A square mesh fence of weight, strength and durability—three great needs in farm fences.

We appeal to the scales as the judge between American and other fences. Its decision shows weight of metal, and as fence is sold by the rod, the buyer gets more for his money.

### Dealers in Every Place

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

F. Baackes, Vice Pres. & Gen. Sales Agt., AMERICAN STEEL & WIRE COMPANY, Chicago, 72 W. Adams St.; New York, 30 Church St.; Denver, U. S. Steel Products Co., San Francisco, Los Angeles, Portland, Seattle.

American Steel Fence Post Cheaper than Wood and More Durable. Get Catalog.

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 fence may be employed to enhance the earning power of a farm. Furnished free on application.

## IOWA NEW GALVANIZED 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. Gray, Manager, IOWA GATE CO., 23 Clay Street, Cedar Falls, Iowa

## Is Your Straw Stack Green?

Then Your Threshing Was Not Done by a RED RIVER SPECIAL

All threshing machines are not alike. There is one different from all others. It has a different way of taking grain out of the straw. It beats it out just as you would do by hand with a pitchfork. All other machines depend upon its dropping out.

This one different machine is the RED RIVER SPECIAL and you should insist upon having it do your threshing. It will save all your grain and waste none of your time.

IT SAVES THE FARMER'S THRESH BILL.

It has the Big Cylinder, the "Man Behind the Gun," the patented separating grate and check plate, the greatest separating device ever built.

The Big Cylinder drives the intermingled straw, chaff and grain against the separating grate, beating the grain through where the check plate catches it and delivers it to the grain pan and mill.

Ninety per cent of the grain is taken out right there.

The straw goes over upon the shakers which hold it and BEAT it until all the grain is BEATEN OUT.

In all other kinds the straw is hurried out of the machine and the grain is expected to drop out.

It doesn't. Thousands of green straw stacks every year loudly say it doesn't. The RED RIVER SPECIAL saves all this. Insist upon its doing your work this year. It will save your thresh bill. Write us for the proof.

**NICHOLS & SHEPARD COMPANY**  
BATTLE CREEK, MICH.

Sole Builders of THE RED RIVER SPECIAL LINE  
Traction Steam Engines  
Stackers, Self Feeders and Supplies  
The Red River Special Thresher  
Oil-Gas Tractors

## Catalpa As a Kansas Tree

What it Requires—Errors to be Avoided

Much has been said and written in recent years about the growing of catalpa trees for posts and fuel. Stories of immense profits have led many growers into disappointment, but chiefly because of lack of knowledge of the habits of the tree and its proper care. The first and most important thing is to be sure of getting the right variety. The species known as the hardy catalpa or catalpa speciosa, is the one to get for wood and pole production. The others are not worth the planting for this purpose. A rich and rather moist soil, containing not too much alkali is best adapted to catalpa growing.

To grow catalpas successfully requires a small amount of skill and careful attention to detail, more so perhaps than

caying stubs of larger limbs that have been broken off after the tree attains some size.

Under favorable conditions the first crop of posts may be cut 10 years after planting. By that time each tree should produce one first class post worth 12 to 14 cents, one of second grade worth 8 cents, and two or three stays worth 3 cents each. A considerable amount of firewood is also obtained from tops and small and crooked limbs. By the time of the first cutting the tree has developed a vigorous root system and future crops of posts are grown in from 6 to 8 years.

One of the largest and most profitable catalpa plantations in the country is to be found on the Yaggy farm near Hutchinson, Kan. Here is a catalpa



Scene on the Yaggy catalpa plantation of 500 acres near Hutchinson, from which a strip of 62½ acres is cut each year. The return per acre is estimated as nearly \$100 annually.

The growing of any other one tree. When 2 or 3 years old the young trees grown from seed are usually cut off close to the ground. This starts several sprouts from the stump and the best one of these, left to make the tree, will be as tall by the end of the season as the original stem would have been. Very often the undesirable sprouts are not cut out until the following winter and either one or two good stems may be left to grow from each stump. The competition for sunlight stimulates height, growth and encourages natural pruning, thus forming a straighter and taller stem with fewer branches. A disease to be watched is heart-rot which gets in through the de-

### NO WORDS WASTED

A Swift Transformation Briefly Described.

About food, the following brief but emphatic letter from a Georgia woman goes straight to the point and is convincing.

"My frequent attacks of indigestion and palpitation of the heart culminated in a sudden and desperate illness, from which I arose enfeebled in mind and body. The doctor advised me to live on cereals, but none of them agreed with me until I tried Grape-Nuts food and Postum.

"The more I used of them the more I felt convinced that they were just what I needed, and in a short time they made a different woman of me. My stomach and heart troubles disappeared as if by magic, and my mind was restored and is as clear as it ever was.

"I gained flesh and strength so rapidly that my friends were astonished. Postum and Grape-Nuts have benefited me so greatly that I am glad to bear this testimony." Name given by Postum Co., Battle Creek, Mich.

"There's a reason," and it is explained in the little book, "The Road to Wellville," in pkgs.

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

grove of 500 acres from which a strip of 62½ acres is cut each year. The trees are planted 4 feet apart in the row and rows are 6 feet apart. This makes 1,800 to 1,900 trees per acre and, on the basis that one tree will produce 30 cents' worth of posts, each acre would yield \$544.50 worth of posts every six years. This does not include firewood.

### Good Spring for Tree Planting.

Mr. Editor—There has been more timber cut for fuel in Kansas this winter than any previous winter since the state was settled. Every man who has land should set a few forest trees this spring, such as are adapted to the locality. This may seem to be a slow way of providing fuel but I am now reaping the benefits of my labor performed 30 years ago. I have single trees that will make two cords of good stove wood each. Another advisable thing to do this spring: Set out a few fruit trees, especially apples. Our old orchards are now on the decline and they should be renewed or new ones set out to take their places. I would advise the latter plan—planting on ground that has not been in fruit before. This will be a particularly fine spring to set out trees since the ground is full of moisture and they will thus get a good start.

William Baird.

Vesper, Kan.

### April 9 Tree-Planting Day

KANSAS NEEDS MORE TREES.

Arbor Day in Kansas will come on April 9 this year according to proclamation by Governor Stubbs. That is the day on which custom has decreed that schools should have appropriate exercises which include the planting of trees and shrubs not only by school children and students but by their elders as well. Kansas needs more trees and only a little effort is required to give coming generations an almost priceless heritage in the way of groves and forest plantings. Due to a hard winter the supply of timber trees has been greatly diminished to furnish fuel and this should call for extra planting this spring.

## Six Days Less Than You Thought to Plow That 20 Acre Field!

WITH the **RUMELY**, you can plow 20 acres in 12 hours. Two good boys can do it. With horses, plowing nearly 3 acres a day, the same work would take you 7 days. What does the 6-day saving on every 20 acres mean to you and how will it affect your crops and profits?

And you can plow deeper with the **RUMELY**. You can harrow at the same time, if you want to. You can get the seed in quick. After your own work is done you can make big money by doing custom work for your neighbors. With the **RUMELY**, you can also run every power machine on your farm—from the silo filler to the wood saw.



In Sizes to Meet Your Power Needs—at Prices to Suit Your Pocketbook

## Investigate **RUMELY** Farming Now —By Writing Us a Postal

Lower the cost of producing your crops—that's the way to increase your profits. Get the facts and figures on what the **RUMELY** is doing.

It's the only tractor that successfully burns cheap 5c to 7c kerosene at all loads, all speeds, under all conditions. We have the proof. Let us send it to you. Read letters like this: Karl Bapp, Converse Co., Wyoming writes: "I have just purchased one of your **RUMELY**. I am breaking twenty acres daily at a cost of approximately 20c per acre, using six 14-inch bottom plows with 10-inch disc harrow attached."

More proof in our great book, "Tilling and Tilling the Soil"—sent free for name and address. Write for it today. Address

**M. RUMELY COMPANY**

5835 Main Street, La Porte, Ind., U. S. A.



## GET MY PRICE

I HAVE the manure spreader you want—the spreader that will make you the most money and save you the most money in operation. And I'll save you from \$20.00 to \$50.00 right at the start on prices, according to size and style you choose.

### GALLOWAY'S SPREADER WITH MANDY'S NEW GEAR

is the sensation of the year in improvements. No other spreader at any price holds a candle to it. Some single features worth \$50, more than any other make.

Try a Galloway Free—90 days if you like—and get my guarantee of money back after a whole year if you haven't made money on the deal. Henry Kuhlmann, Chester, Neb., bought a Galloway and writes: "Everybody who sees it agrees that it is the most profitable spreader made."

"A Streak of Gold"—Free: my latest book on manure. It answers your question—"How can I make more money in 1912?" Write me for your copy now. I'll also send my big spreader book, and general line catalog. Wm. Galloway, Free.

The Wm Galloway Co., 2044 Galloway Station, Waterloo, Ia.



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WE save you the jobber's profit and the retailer's profit. You buy direct from the factory. You couldn't get roofing anywhere in the world that would last longer, wear better and is easier to lay.

### FREIGHT PAID

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1 PLY \$1.08 Per Roll, 108 Sq. Feet

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Special Freight-Paid Prices to distant Western and Southern States quoted on request.

**BANNER ROOFING CO., Dept. A, KANSAS CITY, MO.**

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to withstand any climate, is made of Asphalt, either sandcoated or rubber finished. No inflammable material of any kind is used in this roofing. This is absolutely the best roofing bargain ever offered.

### OUR GUARANTEE PROTECTS YOU.

Our prices are nearly 50 per cent lower than retail prices for roofing of equal quality. Every cent of your money refunded if you are not satisfied. We'll send you a SAMPLE FREE. Write today. But you can save time by ordering direct from this advertisement.



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You can make more



money drilling wells for irrigating land with an Armstrong Well-Drilling Outfit than you can in any other business with the same investment. \$50 to \$75 profits a day made on an Armstrong Outfit. A few hundred dollars invested in an Armstrong outfit will redeem several thousand acres in a single season. Drill any formation, any depth, any place. Gasoline or Steam, Walking Beam, Spindling or Combination Outfits. Write for Free Illustrated Book. If you need a gasoline engine ask for our big engine catalog. (63)

One man can handle entire outfit. Perfected machine of our 45 years experience. **Armstrong Mfg. Co., 2062 Chestnut St., Waterloo, Ia.**

# DOWER

## for the Farm

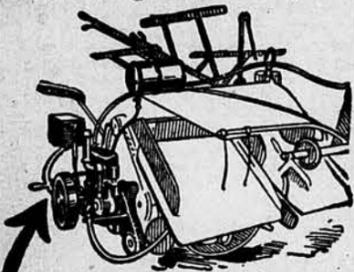


A little engine that is powerful and reliable. All the service of the high-priced automobile motors, but especially designed for farm use. Hundreds of farmer users are delighted with the Farm Cushman engine because

It fits in anywhere.  
It is suited to all power work.  
It weighs less than 200 pounds.  
It develops up to 5 full h. p.  
Easy speed changes adapt the

### Farm Cushman

to all kinds of work. It consumes fuel according to work done, whether it be a 1 h. p. or a 5 h. p. load  
And is the Original Binder Engine



**Operates the Twine Binder—Fits any Machine—Saves Horse Flesh**  
E. O. GREGG, Kavalock, Neb.—"I have been using your all-purpose engine on my 8-foot binder the last two seasons. It works excellently. The average cost per day is about 50 cents, and I have been cutting 15 to 25 acres per day. I would certainly recommend it as a horse-drawn saver, and without the engine I could not have saved my crop last year when it was so wet. It is the best all-round engine for any farmer to have."

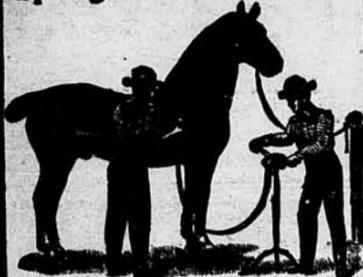
Send for Free Book and see the advantages of buying the all-purpose engine. This book will put you right on the farm power question. Don't buy till it comes. Address

CUSHMAN MOTOR WORKS  
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### 4 H.P. Cushman

The Original Binder Engine

### Your Horses are Entitled to a Haircut Before the Spring Work Begins



Farmers and horse owners of England and France have done it for years and it is done now by progressive owners everywhere in this country.

No way to do it so easy, so quick or so well has ever been devised as with a

**Stewart Ball Bearing Clipping Machine** The price of this splendid machine is only \$7.50

at your dealers direct. It is used in every civilized country, has all file hard cut steel gears, enclosed, protected and running in oil.

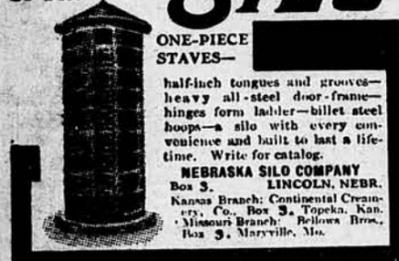
Get one from your dealer or send \$2 and we will ship C. O. D. for the balance. Send now.

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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.

### Soil Binder for Sandy Land?

I have 20 acres of sandy soil that has been in cultivation for 10 years. This land was formerly covered with "oak runners" and now blows badly when bare of vegetation. I wish to put it in a permanent grass that I can cut for hay as a general crop but which will also stand pasture for four or five weeks during the year, should the Bermuda become pastured too close. I live 66 miles from the Texas line.—J. J. Fletcher, Okla.

I am uncertain what grass or grasses to recommend for the purpose you name. You could use the Bermuda grass both for hay and pasture. It is the best soil binder. Or, how would a combination of Japan clover and Bermuda do? You might sow a combination of orchard grass and common red clover about 20 pounds with 10 pounds per acre. The Mesquite grass, I believe is the great native hay grass of Texas, but I am not familiar with the methods of propagating it. If you will send me your full address, I will mail our Bulletin No. 175 on Grasses which contains much valuable general information on this subject.  
A. M. TenEyck.

### Grasses for Upland Pasture.

I desire to seed, as soon as possible, 40 acres of upland to grass for the purpose of securing permanent pasture. I have about decided to sow timothy or Bromus inermis, Kentucky bluegrass and White Clover. I expect to prepare a good seedbed and am anxious to learn how many pounds of seed of each variety will be required.—J. R. T., Abilene, Kan.

I am mailing Bulletin No. 175 on "Grasses." Better sow orchard grass and Bromus inermis about 10 pounds of each per acre with 5 pounds of Alsike clover or alfalfa. You may include a few pounds of Kentucky bluegrass and a half a pound or so of White clover, but the bluegrass will not make much pasture, as a rule, on upland in Dickinson county and timothy would not prove productive and would soon die out. The grasses recommended will not make permanent pasture, but will make a good pasture for several years. For permanent pasture in middle and western Kansas there is nothing superior to the native prairie grasses.  
A. M. TenEyck.

### Seeding Old Pasture to Clover.

I am a new man in Kansas, coming from Illinois. My farm has all been in pasture for hogs and sheep, in tame grass, until last season, and has been farmed mostly by tenants. I want to get clover and timothy started again, as this is all "burned out" or "pastured out." I have one field I should like to seed to clover alone.—C. B., R. 1, Galesburg, Kan.

I doubt if any of your land is in favorable condition to seed to clover or grasses this spring. I fear that all the plowed land will be very foul and weedy, and the sod could not be broken and put in good seedbed condition for seeding this spring. It would seem to me advisable to farm this land well for at least a year before you try to seed clover or grasses. Clover will make a good crop seeded alone. Sow the Mammoth red variety. Or sow medium red clover with timothy. Clover, and clover and timothy may be seeded with a nurse crop, and on weedy land. I should advise seeding with oats or flax, but the safer plan is to sow alone on clean well prepared land.  
A. M. TenEyck.

### Renewing a Stony Pasture.

I have some small pastures where the grass is killed out. It is rocky and hilly and cannot be plowed. We use it for horses and milk cows. How is sweet clover for pasture? What do you think of Bermuda grass?—O. L., Leon, Kan.

Hardy Bermuda grass is being grown successfully in northern Oklahoma and in localities in southern Kansas. It is worthy of trial in Butler county under the conditions stated, but it is likely to be rather difficult to start it on this rocky, grassy hill pasture. The method is to plant the roots. Get a bulletin from the Oklahoma Experiment station at Stillwater giving this information.

Sweet clover is fully hardy and well adapted for such use as you name. It may be started more readily than Bermuda grass, simply by sowing the seed early in the spring and giving some cultivation with the harrow or spring-tooth harrow. Sweet clover when once estab-

lished will by reseeding, propagate itself and produce much rich forage. It also acts as a soil fertilizer and will increase the growth of other grasses.

Another valuable plant for renewing these old rocky pastures is Japan clover. It is also started from the seed, but sow a little later in the spring, after the weather is warm. Cultivate early, as well as you can, and sow immediately after a good rain, harrowing after seeding. Or if you can get the ground fairly loosened it may be as well under these conditions to sow before a rain, either sweet clover or Japan clover and depend upon the rain to cover the seed. Each of these crops is a valuable pasture plant and is adapted for such a condition as you describe.  
A. M. TenEyck.

### Weeder for Harrowing Small Grain.

What do you think of the claim made by manufacturers of the "weeder" that you can use the tool successfully on wheat, oats, rye and such crops?—E. B. G., Bazaar, Kan.

The "weeder," or "weed harrow," may be used more safely for the cultivation of small grains than the common harrow, because the weed harrow is lighter and the weeder may be regulated as to depth of cultivation better than the common harrow. There is some objection to the wheels on the weeder for cultivating small grain which has made much growth.

The weeder is even more useful for the early cultivation of corn and for loosening the surface soil quickly after a hard rain than it is for harrowing small grain. I am mailing circular letter on this subject.

Oats may be harrowed with advantage just before the grain comes up. But after the shoot is well through the soil it is well not to harrow, because if the blade is covered up the plant is likely to be destroyed. Young grain should not be harrowed as a rule until it has made a good start, until it has begun to stool and the roots have a firm hold in the soil. When the oats have about covered the ground, the grain may often be harrowed with advantage, provided the soil is not too mellow and the harrow teeth do not run deep enough to loosen the roots.

It is a fact that experiments in harrowing small grain have not always given increased yields, and sometimes the yield has been decreased by untimely harrowing. The light cultivation with the weeder is not likely to result in injury to the crop even though it gives no benefit.

The proper preparation of the seedbed is a more important factor in securing large yields of wheat, oats, or other small grain, than any cultivation which may be given after the crop is planted.  
A. M. TenEyck.

### Planting Cowpeas in Corn.

I wish to plant some cowpeas this year, and have thought of planting them between the rows of corn after the corn was "laid by." In that case will the peas mature sufficiently to make good feed by the time the corn will do to cut? Can I cut the corn and peas with the corn harvester?—W. C. M., Cicero, Kan.

Unless the corn is a very late maturing variety and the cowpeas are one of the earliest sorts, the corn would mature first. In fact it has been my experience at Manhattan, further east than you are located, that cowpeas usually make little growth until after the corn matures. Usually there is not moisture enough to supply both crops at the same time. You could not cut the corn and cowpeas with a corn binder when the cowpeas are planted between the rows of corn.

If you want to harvest corn and cowpeas together plant them together rather late in the season, about June 1, using a medium early corn like the Boone County White with the Whip-poorwill cowpeas. Plant the corn and cowpeas in the same row, mixing the seed about half and half, and planting as thickly as the ordinary planter, with 16-cell plates and high gear, will drop. We enlarge the cells in the plate by filing them out, which drops the seed so that the peas average about 6 inches apart and the corn 18 inches apart in the drill row.

Planted in this way the cowpea vines climb the cornstalks and the crop may be cut with the corn binder and shocked the same as corn alone.

The plan which you propose of planting cowpeas between the corn rows after the corn is laid by would work all right in order to get some early fall pasture after the corn was cut and removed. Or



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you might pick the corn early and pasture the stalks and the cowpeas early in the fall before heavy frost. This would necessitate growing rather early maturing corn. I am mailing Bulletin No. 160 giving further information.

A. M. TenEyck.

**Field Infested With Corn Lice.**

I have a field infested with corn lice and every season they take some of the corn as it comes through the ground. What should be done to avoid the damage?—I. W. F., Formoso, Kan.

Early spring disking or plowing will disturb the lice in their winter quarters in the roots of the old stalks and thus destroy many of them. A better plan is to quit growing corn on this land. Give it a rotation with other crops for a year or two. This will clear the land of corn root lice, and other insects injurious to corn and will also put the soil in better tilth and fertility.

You may plant oats or other spring grains on this corn land, preparing the seedbed by disking, or better, plow deep this spring and plant cowpeas about May 25, harvesting the crop for forage and plowing the second growth under early in the fall for green manure. Or you may sow oats this spring and plant cowpeas immediately after oats harvest and plow the crop down for green manure before heavy frost, pasturing some before plowing if this is desirable.

I am referring your letter to Dr. T. J. Headlee, station entomologist, for further answer regarding methods of destroying corn root lice. I am satisfied, however, that the method I have proposed "rotation of crops," is the simplest and most economical method of ridding the land of this pest.

A. M. TenEyck.

**Cowpeas in the Shortgrass.**

I am going to try cowpeas this summer. I have ordered New Era. Which variety do you consider the best? Would sowing them after harvest on oats stubble be too late to make a hay crop if weather conditions were good? At what stage is it best to cut for hay, and when for seed?—U. S., R. 2, Alton, Kan.

You will find all your questions fairly answered in Bulletin No. 160, a copy of which has been mailed to you. Cowpeas planted after oats harvest may make a crop of forage in a very favorable season. Usually, however, I would not expect much growth from such planting in Osborne county. The method is more applicable to eastern counties of the state, which have a larger late summer rainfall. To insure a good crop of cowpeas in Osborne county, better prepare a good seedbed by early plowing and give sufficient cultivation to clear the land of weeds and conserve the soil mois-

ture, planting the cowpeas the last week in May or first week in June. One good crop each year, by dry-farming from Osborne county land, or from the best soil in counties west of Osborne, is enough, and this is better than you or any other western farmer will secure, on the average.

New Era cowpeas is one of the earliest-maturing varieties, is well adapted for late planting, and under favorable growing conditions will mature for hay in about 90 days. Sow 3 to 4 pecks of cowpeas per acre broadcast or in close drills. A bushel will plant 4 or 5 acres if planted in rows 3 to 3½ feet apart, and the method of planting in rows and cultivating will yield more seed and as much or even more fodder than close planting without cultivation (see Bulletin No. 160). Cut for hay when first pods are beginning to turn yellow. The crop should not be harvested for seed until most of the pods are brown and ripe. One and a half to 2 tons per acre is a good yield of cowpea hay.

A. M. TenEyck.

**Fertilizers for Corn Land.**

The soil here on the Arkansas is a soft sandy loam of fine quality for corn but has been cropped for 25 years with corn and wheat. We are beginning to rotate with alfalfa but that is too slow for the soil improvement we need. The owner living in the eastern part of the state wishes me to try commercial fertilizer.—W. O. S., Alden, Kan.

It is doubtful if you can use commercial fertilizer economically, on this land. The land is not really greatly exhausted in fertility. It is doubtless well supplied with the mineral elements of plant food. It has been cropped continuously with corn and wheat without manuring and with no rotation with grasses and legume crops, until the humus or organic matter in the soil has become deficient and that means also a deficiency in soil nitrogen.

Probably the only commercial fertilizer which would give much benefit to a corn crop in this soil is a nitrogenous fertilizer such as nitrate of soda, and nitrogen and numus may be applied in a much more economical form by manuring and by plowing crops under for green manure, or by a rotation with leguminous crops and grasses.

As you have stated, you may use alfalfa to restore the fertility, but it takes a long time to extend the rotation with alfalfa over all the fields on the farm. Hence, it is necessary to use shorter rotations, including animal legumes and green manuring crops. Among the best of these for your part of the state are cowpeas, sand vetch and Sweet clover.

Cowpeas is a warm weather crop and must be planted late in May or early in June and cut for forage, or seed, or pastured or plowed under for green manure.

Sand vetch may be seeded early in the fall, when it will make early spring pasture and may be plowed down for green manure about June 1.

Sweet clover may be seeded either in the fall or spring. It grows rankly and is a deep rooting plant and an excellent soil fertilizer.

I am mailing bulletin on cowpeas and circular on sand vetch and Sweet clover. I am also mailing bulletin and circular on commercial fertilizers and soil management.

A. M. TenEyck.

**Moldboard or Disc Plows?**

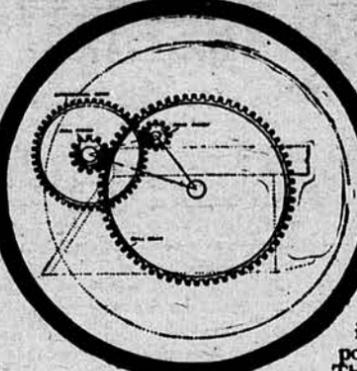
Which is better to use, moldboard plows or disc plows? With the disc plow is there danger of getting the ground too loose by plowing every year? My ground is a chocolate loam.—D. M. N., Minneola, Kan.

The disc plow has some advantages over the moldboard plow in very hard, dry soil, also in hard gumbo soil. In such land the moldboard plow will not work, or it will do poor work.

For average soil and land in good plowing condition, I prefer the moldboard plow, because it does a better quality of work than the disc plow. The disc plow does not "shear" or pulverize the soil so well as a moldboard plow. It leaves the ground more loose and cloddy as you have suggested, with a tendency to dry out and blow away in a dry year, but it does not break the soil into a finely pulverized mass, as a good moldboard plow will when the soil is in good plowing condition.

I should judge that your chocolate loam soil is not a hard soil to plow, and I believe you will find a good moldboard plow the better implement for general use. I am mailing other information in regard to disc plows.

A. M. TenEyck.



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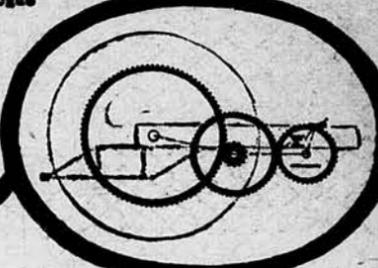
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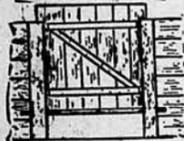
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### Just a Little Thing, But—

Mr. Editor—I have been using a block and tackle wire stretcher for some time. I have changed the wire grip end and the chain end for end and now pull with the wire. This makes it much easier to pull and is not so hard on the corner post. Try it. Hugo Kral. Vliets, Kan.

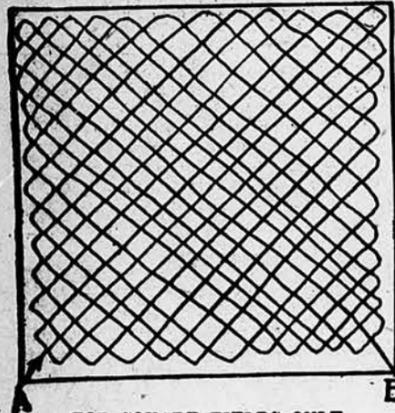
### Slide Door for the Hog House.

Mr. Editor—This sketch shows a hog house door of my invention. It is very useful in keeping sows in a pen when the little ones are allowed to run out. The pole below is placed through holes in the door posts and the door rests on top of it. The door works up and down in a slide. Rosebud, N. M. H. N. Kerr.



### A Double Harrowing Scheme.

Mr. Editor—This is a diagram of my scheme of harrowing by means of which we go over the ground twice with one operation. The start is made at A,



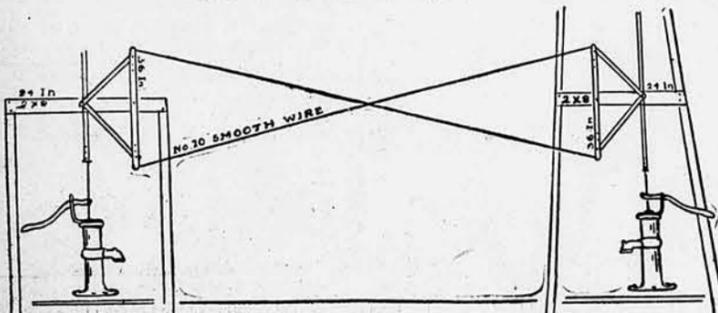
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and B is the finish. If your field is not square it will be well to lay it off in squares in order to work out this plan right. One advantage in this method lies in the fact that it saves turning squarely around as must be done with the usual method. T. B. Shinn. Conway Springs, Kan.

### Working Two Pumps With One Mill.

[Awarded Second Prize.]

Mr. Editor—Here is a device by which two pumps may be operated with one windmill where the wells are shallow. I have seen this scheme worked where the wells were 75 feet apart and I believe it would work at even greater distance. The two upright beams work on a pivot on the framework of the mill and the crosspiece of a frame set firmly in the ground over the mill. The distance between the pivot of the upright beam and the connection on the pump rod is 24 inches in both cases. Good strap-iron may be used for the two pieces connecting to the pump rod. The stroke may be adjusted by changing the wires



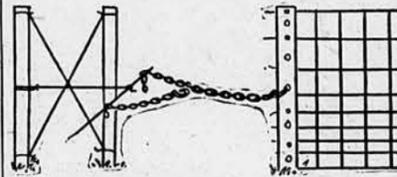
WORKING TWO PUMPS WITH ONE WINDMILL.

in the holes at the ends of upright beams. When running just the one pump, at a distance, the wires should be straight instead of crossed. Have the wires reasonably tight. Greensburg, Kan. W. H. Noel.

### Good Stretcher for Woven Wire.

[Prize Suggestion.]

Mr. Editor—Take two stay chains from the wagon and a log chain, fasten a chain or wire about 2 feet from a 2



USE A LONG POLE FOR LEVER.

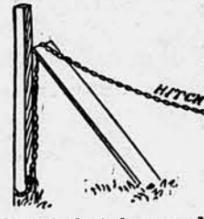
by 4 or other pole and connect back to the corner post and you have a good stretcher for woven wire fence. Sling a stay chain about the lever on either side of the connecting wire, or chain and hook the other ends into the log chain as the fence is drawn up with the lever. To get a firm hold on the wire take two pieces of 2 by 4 and bolt them over the end of the wire as shown. Elmer J. Million. Pond Creek, Okla.

### Pond Creek, Okla.

### For Pulling Posts With a Team.

[Prize Suggestion.]

Mr. Editor—This drawing shows a good scheme for pulling up posts with a team. Take a log chain 10 feet long and hook a team to it or fasten to the rear axle of a wagon. Sling the other end around the post at the bottom, pass the chain over the short plank which is 3½ feet long and drive on. The piece of plank should be set at an angle of about 45 degrees. Ripley, Okla. Frank Shoup.

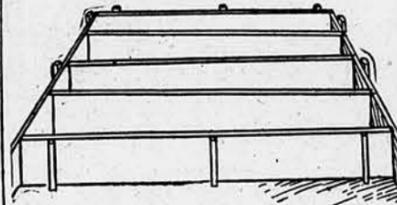


### Fence Posts Made of Cement.

[Awarded First Prize.]

Mr. Editor—I make my cement posts 5 by 5 inches at the bottom and 3 by 5 inches at the top. I cut the dividing boards for forms from 1 by 5-inch stuff, cutting them 1¼ inches longer than the posts are to be to allow for width of blocks that are placed between them at ends. These blocks are cut in two sizes, 1 by 5 by 5 inches, and 1 by 5 by 3 inches. I select a smooth piece of hard ground preferably under shelter so the work can be done on rainy days and set up two parallel planks so the dividing boards will fit between them lengthwise. Stake the planks securely on the outside. Wet the ground and place newspapers over it; then place the first dividing board just inside the ends of planks and 1 inch from square. Put one 5 by 5 block at one end and a 3 by 5 block at the other, then another board and two more blocks, reversing the sizes.

I place enough boards for from 5 to 10 posts, depending on the amount of help I have. Stake both end boards well on the outside. Wet the boards and have everything ready before beginning to mix the concrete as the cement will be proportionately weakened if work is allowed to lag after the cement sack has been opened. I use coarse wash sand and gravel, 1 to 4½ in proportion. One sack of cement should make five posts. Use a slush mix as it is more easily worked and makes stronger posts. I mix my concrete in a box 1 by 3½ by 8 feet, set on three trestles 17 inches high. One man should use the garden rake vigorously to thoroughly mix the concrete as it is being shoveled in. Cut a block 1 by 4 by 5 inches for a gauge and drive a nail part way into each edge 1 inch from one of the ends. Then fill in all the forms with 1 inch of concrete and true off the surface with the gauge. Place two reinforcing wires, one on each side, 1 inch from the edge, then fill with concrete to within 1 inch of the top and true off again. Place two more wires as before and fill up, smoothing the top with trowel or shovel. I use a crimped wire made especially for post reinforcing. For staples I bend 16-penny nails an inch from the point and push them into the concrete—head first—tamping the concrete about it with a small stick. Cover the posts with straw or coarse manure and water daily for two weeks when they may be piled. The posts should not be set until a month old. With cement costing \$2 per barrel and counting in labor and all, posts will



READY FOR THE CONCRETE.

cost 18 to 20 cents each. Where a large number of posts are to be made it would be better to use 12 steel templets instead of dividing boards. The templets should bevel from a thickness of ¾-inch at one edge to ¼ at the other, and have raised eyelets so that they may be carefully removed an hour or so after moulds are filled. Then clean templets thoroughly at once. Coats, Kan. C. L. Edwards.

### So the Ladder Won't Slip.

Mr. Editor—A safety device for ladders is a strip of iron bolted to the bottom of each leg. Make these irons sharp so they will not slip on hard floors or when ground is slippery or frozen. Emmett Mechem. R. 2, Ottawa, Kan.

### A New Cultivator Shovel.

[Prize Device.]

Mr. Editor—Here is a cultivator shovel that I have tried and that has proven very satisfactory. It is about 8 inches long, 3½ wide at the widest part, and 1¾ inches wide at the top. It has several advantages over the common shovel, especially in loose ground top planting and also in trashy ground as the part exposed above the surface is narrow and will not clog easily. At the same time it has a wide cutting edge, leaving no weeds between the shovels. Such a shovel also scours better. Perhaps the greatest advantage is the fact that this shovel will not leave a deep furrow and yet does its work well. They can be made by having the blacksmith cut them out of an old pair. Eskridge, Kan. F. L. Zink.

### Handy Panels for Penning Stock.

[Awarded Third Prize.]

Mr. Editor—Here is a sketch of a hinge panel that I have found to be about the handiest thing on the place when used to handle calves, hogs or other stock. It is especially handy to catch and pen a sow without worry, as two men can entirely enclose an animal with it. Have a man at the end of each wing of the panel, walk up to a hog and enclose him while asleep or eating. Panel,

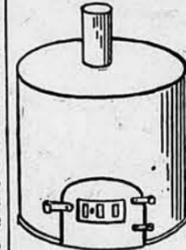


hog and all may then be slipped along to the pen. The panels make a good pen to enclose a sick animal, or a sow and litter that has been farrowed in the open. There are many other uses for it. The panels should be made of light, strong lumber. Mine may be folded up and carried under the arm. D. H. Gripton. Smith Center, Kan.

### Better Than Grubbing Stumps.

[Prize Suggestion.]

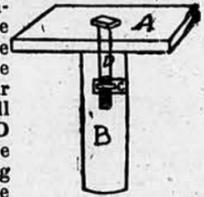
Mr. Editor—A good way to burn out a stump is to make a furnace of strips of galvanized iron or tin and set a piece of stovepipe in the top for a flue. Cut a hole in one side and set the furnace over the stump with the hole toward the wind. Pour coal oil over the stump and start the fire at the door. When the draft is good a large stump will burn out in a remarkably short time. Leave the hole open while burning. Columbia, Ky. S. M. Suddarth.



### Milk Stool That Stays Together.

[Prize Device.]

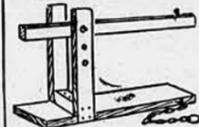
Mr. Editor—Ninety-nine out of every 100 milkers use a one-legged milk stool and every one of them has trouble with the seat board coming loose. Make your stools like the one shown in the sketch and your stool troubles will forever disappear. D is a ¾-inch machine bolt, 4-inches long and has a square head. Bore a 7-16 inch hole through A and into B, 4 inches deep. Three inches from the top of the leg bore a 1-inch hole into the leg at right angles until past the middle. Place a tap on C into this hole and screw down your bolt. Jewell, Kan. C. E. Peattie.



### Pretty Good Wagon Jack.

[Prize Suggestion.]

Mr. Editor—Here is a good homemade wagon jack: It takes a piece of 2 by 6 3 feet long, 2 pieces of 2 by 4 about 2½ feet long and most anything for a lever, to make it. Mortise the 2 by 4 into the 2 by 6 and nail a block between them at the bottom. At the other end of the base fasten a short piece of chain to hook over the end of the lever. Harper, Kan. N. F. Hall.



## ALL FOR \$1.10

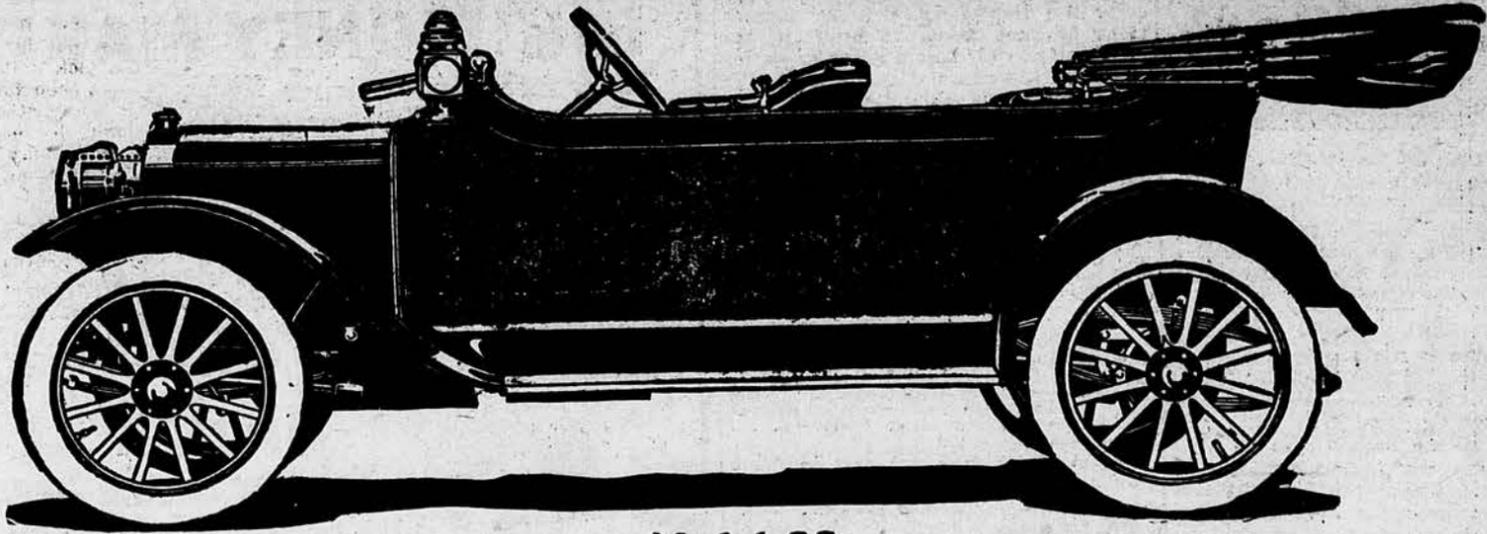
The Biggest Half-Price Club Offer of the Season.

Here is the banner clubbing offer. It gives your family the choicest collection of newspapers and magazines at a price which is a very great bargain. You get all these four papers one year for only \$1.10.

KANSAS WEEKLY CAPITAL is the largest and best weekly newspaper published in the state. Its pages are full newspaper size, and are filled with the latest Kansas and state capital news items, market reports, etc. THE VALLEY FARMER, an independent, reliable farm journal, unique and original in its methods, and immensely popular with thousands of farmers in every state in the West; well edited departments for Livestock, Poultry, Veterinary, Horticulture, Dairy, Field Crops, etc. HOUSEHOLD MAGAZINE, a large family magazine containing the choicest stories and departments of particular interest to lady readers. An entertaining, instructive publication for all the family, 24 to 48 pages each month.

FARMERS MAIL AND BREEZE, the greatest farm weekly in the West. If your subscription to the Mail and Breeze has not expired we will credit you ahead for one year. Send your order at once. Address Farmers Mail and Breeze, Topeka, Kan.

More silos were built in Kansas in 1911 than were in the state a year ago. President Waters places the number at 1,500.



**Model SS**  
**Five-Passenger Touring Car—110-inch wheelbase**

# R-C-H \$950

f. o. b. DETROIT  
**SELF-STARTER**  
**32 x 3 1/2" Tires**  
 Dual ignition, demount-

able and quick-detachable rims, gas tank, extra rim, top, windshield, 5 lamps, horn, tools and tire repair kit, **LONG STROKE MOTOR, 3 SPEEDS, ENCLOSED VALVES, MAGNETO**

## The three letters that have swept the country in three months

**F**ROM coast to coast, from the Canadian border to the gulf, the R-C-H has created a wave of enthusiasm unparalleled in the history of the industry. Motorists by the thousands have written us doubting that such a value was possible; but they have seen the car and been convinced that no car approaching the R-C-H has ever been offered at anywhere near its price.

You'll agree with this statement after you've seen the car and compared it, item by item, with any other you have in mind up to \$2000—yes, and higher.

For the R-C-H has dozens of features that you've been accustomed to associate with cars at \$3000, \$4000 and \$5000, but that have never before been offered in a car at a popular price.

### The First Real Long-Stroke Motor

Some American designers have tried to achieve the much-desired long-stroke effect of the best European engines by lengthening the stroke and widening the bore in proportion. That is about the same in principle as trying to make a thin man by doubling the height and width of a short, stout one.

The R-C-H has the first real long-stroke motor used in an American car. A study of the best European models and thorough engineering tests determined its dimensions (3 1/4 x 5). Of course, with the public demand for this type of motor, the selling arguments of some manufacturers will eventually resolve themselves into: "My motor is longer-stroke than any other." But it is well to remember that it is readily possible to over-shoot the mark; and that the bore-stroke ratio of the R-C-H motor has been proven to produce the maximum of power efficiency per fuel unit.

### Left-Side Drive with Center Control

Any other than a left-side drive is an absurdity under American road rules. It is a wonder that American motorists tolerated a right side drive for so many years; a greater wonder that American manufacturers retained it.

The drive on the R-C-H is left-side; the control is center-lever—out of the way, yet convenient to the operator's right hand.

The body is the graceful, roomy English type, recently made a feature of a few of the highest-priced American cars.

Greater accessibility; greater interchangeability due to the extensive use of drop forgings; ideal spring arrangement; perfect braking system—there are dozens of R-C-H features that must be seen to be appreciated.

### Arrange to See the Car Now

Write for descriptive booklet or call at the nearest dealer listed below. Probably there's a local dealer near you.

All we ask is your own judgment on the car after you've seen it and compared it with others at \$2,000—and more.

No car could make the sales record of the R-C-H unless it was far in advance of all others in value and desirability. But you've got to see the R-C-H for yourself to understand what a wonderful car it is—to see why it has upset all previous standards of motor car value.

But we urge prompt action. For the demand for the R-C-H is so great that many of those who wait until the last moment are going to be disappointed, and if you can't get an R-C-H and want a car as good you'll pay a thousand dollars more.

### Standard Models

The standard models of the R-C-H are completely equipped with top, side-curtains, windshield, lamps, generator, horn, tools and kit, but do not have the self-starter or other special equipment mentioned above. They are priced as follows, F. O. B. Detroit:

5-Passenger Touring Car	\$ 850
Touring Roadster	800
Roadster	700
(Equipped for 4 passengers)	750

### General R-C-H Specifications

**Motor**—4 cylinders, cast en bloc—3 1/4-inch bore, 5-inch stroke. Two-bearing crank shaft. Timing gears and valves enclosed. Three-point suspension. **Drive**—Left-side. Irreversible worm gear, 16-inch wheel. **Control**—Center-lever operated through H plate, integral with universal joint housing just below. **Springs**—Front, semi-elliptic; rear, full elliptic and mounted on swivel seats. **Frame**—Pressed steel channel. **Axles**—Front, I-Beam, drop-forged; rear, semi-floating type. **Body**—English type, extra wide front seats. **Wheelbase**—110 inches. Full equipment quoted above.

## R-C-H Corporation, 150 LYCASTE STREET Detroit, Michigan

BRANCHES: Boston, 563 Boylston St.; Buffalo, 1225 Main St.; Cleveland, 2122 Euclid Ave.; Chicago, 2021 Michigan Ave.; Denver, 1520 Broadway; Detroit, Woodward and Warren Aves.; Kansas City, 3501 Main St.; Los Angeles, 1242 So. Flower St.; Minneapolis, 1205 Hennepin Ave.; New York, 1989 Broadway; Philadelphia, 330 No. Broad St.; Atlanta, 548 Peachtree St.

**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.

**Don't Build a Square Silo.**

I have a silo 20 feet deep in the ground and 12 feet in diameter. I am figuring on cementing the walls and making it 14 feet square and 8 feet higher above ground. How thick should this wall be and would there be any danger of damp in such a silo?—H. J. Y., Bellaire, Kan.

The square silo is not satisfactory and has long since been discarded. If the pit in the ground is circular I should certainly continue it above ground in the same form. In my reply to P. E. E. and C. J. W. I have a full discussion of the underground type of silo. Cement walls built above ground must be well reinforced with wire or stone to withstand the pressure of the silage. If properly constructed the wall need not be more than 6 inches thick.

G. C. Wheeler.

**Merits of Brown Swiss Cattle.**

I should like to ask what is known about the Brown Swiss cattle as milk and beef producers. Are they good rustlers?—W. W., Oswego, Kan.

Switzerland is the native home of this breed of cattle. They are somewhat variable in size, weighing from about 1,300 to 1,400 pounds at maturity. The male sometimes reaches 2,000 pounds. The Swiss dairy cow has records showing large producing capacity for this breed. In the Pan-American test in 1901 the five Brown Swiss cows entered stood third in total milk solids produced, eighth in net profit on fat, and fourth in total number of pounds of milk produced. In per cent of fat the milk does not rank high, the average test of several thousand head showing 3.3 per cent of butter fat. Briens No. 168 is one of the noted cows of this breed. She has a record in a public test under the direction of the Illinois state board of agriculture of 81.7 pounds a day for three consecutive days, with a total fat production of 9.35 pounds.

These Brown Swiss cattle fatten rapidly and the steers reach good size. It is not likely, however, the breed can compete with our distinctly beef breeds of cattle in this country. However, these cattle do well in Switzerland and Germany as beef cattle. Their native home is in the mountains and they are a distinctively hardy breed. In some of the more elevated parts of our country, where a rugged breed is required, they might possibly give better results than some of our distinctly dairy breeds, but it is not likely they can ever compete successfully with our best dairy breeds in the more fertile sections of the United States.

G. C. Wheeler.

**The Objections to Pit Silos.**

Could you tell me if silage will keep in an underground silo that is built like a cistern? It is 10 feet above ground, 20 feet below the surface and has a diameter of 16 feet.—P. E. E., Courtland, Kan.

Could a silo be dug into the ground the same as a well, and plastered up? Would this not do as well as any other kind?—G. J. W., Thackerville, Okla.

Silage will keep in an underground silo as well as in one built above ground, provided the walls are made smooth and air and water tight. The earliest silos of which we have any record were built in this way and the walls were not even cemented on the inside. In localities where the ground to be dug out is rocky or very hard, a great deal of labor is involved in excavating a pit of this size. Another serious objection to the underground silo is that it involves a great deal of labor to get out the silage for feeding. Silos of this character have been built in the western part of the state in sections where the soil was easily dug and where the farmers concerned had no spare capital to invest in a silo built above ground. They simply sold their own labor, for which there was no demand at that time, to themselves, and as a result had silos at very little cash outlay.

It must never be forgotten in using a silo of this type, however, that there is considerable danger from the formation of poisonous gases which collect above

the silage. Fatal accidents may easily occur in a deep pit silo if proper precautions are not taken to ascertain the purity of the air before going down for silage. In western Kansas, with the prevailing winds, this danger probably would be reduced to a minimum, since the suction of the wind passing the open mouth of the pit would tend to create a draft and so keep the air pure. There is certain to be some danger, however, and this fact should never be overlooked. The pit silo should be looked upon rather as a last resort than as an accepted form of silo.

G. C. Wheeler.

**Grinding Corn for Horses.**

Would it pay to shell and grind corn for horses at a cost of 5 cents per bushel? Would a mixture of 1 part oats to 5 parts corn chop be a good ration for work horses? Does it pay to buy stock foods?—R. B., Ramona, Kan.

Ordinarily it does not pay to grind corn for horses. Exceptions might be made to this for horses that are being worked extremely hard. In the case of ordinary farm work horses can grind the feed more cheaply themselves than it can be ground for them. I should prefer to add 1 part of bran by weight to the mixture you suggest, making it 5 parts corn, 1 of oats and 1 of bran. In case oats are omitted, the proportion of bran should be about 1 part to 3 or 4 of corn. Where there has been much damage to corn by reason of worms, the corn should be thoroughly cleaned before feeding it to the horses, since the disease, blind staggers, which is almost invariably fatal, is caused by feeding wormy corn. Placing the corn in a tub and filling the tub with water will make it possible to pour off from the top the bulk of the mouldy kernels and other poison materials.

Livestock being fed well balanced rations and handled in the proper manner does not need condimental stock foods and no profit could be realized in feeding these high priced foods. When an animal is really out of condition it should receive some specific treatment instead of giving it a cure-all. These stock foods have been given careful experimental tests at several of our experimental stations and the results have almost invariably shown that they have not been of special advantage to the animal. The basis of the better class of stock foods on the market is a combination of linseed, meal and wheat middlings. Some of the cheapest ones contain screenings, low grade mill offal and other material of low value. To this material is added small percents of such ingredients as common salt, copperas, charcoal fenugreek, gentian, pepper, epsom salts, etc., and sometimes tumeric, ironoxide, etc., for coloring matter. In case the animal is so rundown in condition, or the feed is so poor in quality that the appetite requires a stimulant, any good veterinarian can furnish a formula for condition powders and this may be purchased for much less than they cost in the condimental stock foods.

G. C. Wheeler.

**Why Silos Should Be Round.**

Would silage keep in a silo built square, say 30 feet wide, 50 feet long, and 20 feet high, putting sheetrock on the outside and sheetrock inside to make it airtight? I have never seen the inside of a silo.—S. O., Bady, Okla.

The round silo in which the height is at least twice the diameter, is the desirable form of silo to construct. The square silos are apt to bulge on the sides due to the pressure of the silage, and the corners do not settle properly which results in poor silage. A silo 30 feet wide and 50 feet long would have 1,500 feet of surface area. This area is so great that it would be necessary to feed daily some 300 head of cattle in order to remove a layer of silage from the whole surface daily. It is necessary to have great depth to the silage as a matter of greater economy of storage and because it supplies a daily ration for a reasonably large number of cattle for a much longer period than the shallow silo. The enclosed circular entitled "Silage and Silo Construction" will give you briefly the most important facts in regard to the silo.

G. C. Wheeler.

**Helpful, As It Should Be.**

Mr. Editor—I think Farmers Mail and Breeze is a splendid farm journal. I enjoy reading the helpful hints it contains and they surely are a great help to the farmer and stockman.

Grover C. Maxton.  
 Crestline, Kan., January 8, 1912.

**BIG MONEY MAKERS**

Dairy farms grow richer every year. Wheat or other farms without cows grow poorer. That is why finest homes, biggest crops and surest profits are found on dairy farms.

Follow keen dairy farmers—the men who are making money. These men select and use highly productive land and big-producing cows. For similar reasons they use and recommend the high-producing



The grand Holstein, Lady Dora, Kentucky Bell. Her owner uses a Tubular.

**SHARPLES Tubular Cream Separator**

which has twice the skimming force of others and therefore skims twice as clean. Mr. D. H. Mudgett, widely known dairyman of Dexter, Me., and owner of the grand Holstein shown above, is but one of many such, too numerous to mention, who use Tubulars exclusively. He says:

"Were I in the market for another separator, I should buy the Tubular, even if it cost much more than others."

No disks in dairy Tubulars. Easy to clean. Wear a lifetime. Guaranteed forever by America's oldest, world's biggest separator concern. Produce enough more every year over next best separator to pay a big part of the purchase price.

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 Dallas, Tex.; Toronto, Can.; Winnipeg, Can.

Write for FREE Catalog 158

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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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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 30 years. Let us show you letters to prove it. No springs, cords, chains or pulleys to wear and break. Simple as A B C. Write us.

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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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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 it return and get your 5 cents back.

We want you for a friend. Send name and address with 5 cents.

**Until July 1st Only 10 cts.**

**Mail and Breeze Special Trial Rate**

(Cut out this coupon and return it at once.)

ARTHUR CAPPER, Publisher Farmers Mail and Breeze, Topeka, Kan.

Dear Sir—Enclosed find 10 cents for which send the Farmers Mail and Breeze until July 1, 1912, according to your special trial offer to the following address. This is a new subscription.

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# 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.

In a gallon of 30 per cent cream there are 2 1/2 pounds of butter fat.

Milk at 90 degrees is about the temperature at which it separates best.

Milk fever might often be prevented by a little attention to the cow before calving.

When butter refuses to "gather" the cream may be too sour or the temperature too low.

Three-pail feeds a day for the young calf are none too many. That is more like Nature's way.

After starting to shed their hair in spring cows are very sensitive to sudden cold snaps. That is when stabling pays at night.

The average cow ought to have four to six weeks' rest each year. A good time to dry them off is just as they begin to make an udder.

Nothing is so salable in the stock line just now as a good dairy cow. The raising of purebred milk cows as an industry should receive more attention.

One reason why it is well to let the new calf run with the mother a day or two is because it is better able to take the swelling from the udder than the hand milker is.

### Best Feeds for Pushing Calves.

Mr. Editor—Last spring I tried two or three different ways of feeding calves and found the following made the best growth: Each calf had 2 quarts of oats per day in two feeds with 1/4 pound of cottonseed cake in two feeds also. In addition they had as much nice, bright prairie hay as they would eat. These were bucket calves and weighed 600 pounds at 5 months old.

Longford, Kan. John M. Guy.

### Insuring Plenty of Cow Feed.

Canadian field peas and oats sown together make a good feed for cows when the grass is short. This crop may be fed as hay or silage or used for pasture. The ground is prepared as for sowing oats. Plow the ground as early in the spring as it can be worked, and harrow shortly after plowing to pulverize soil and prevent evaporation of the soil moisture. The peas and oats are sown together in the same drill, the peas at the rate of 1 bushel to the acre and oats 1 1/2 bushels to the acre. Plant as soon as possible after preparing the seedbed.

### Why Fall Freshening Pays.

Mr. Editor—I am farming extensively, and do most of my own work. Under these conditions I think the best time of year to have cows freshen is in October or November. I put out a good deal of wheat and the cows are dry at the time I am busiest. By having the cows come fresh in the fall I can give them better care, flies are gone, and the calves get a good start before cold weather. One can keep the cream sweet more easily in fall and winter than during warm weather, and last but not least, cream is higher during the winter months.

Offerle, Kan. M. H. Miller.

### History of a Mail and Breeze Calf.

[Prize Letter.]

Mr. Editor—Some time ago we invested in a fine Jersey cow 4 years old that had a heifer calf by her side. I took the calf away at once and fed it the mother's milk, fresh. Then I read every issue of Farmers Mail and Breeze I had on hand in search of information on calf raising and determined to raise the calf accordingly. One of your correspondents said it was a waste of butter

fat to feed the whole milk, which suited me as I wanted the cream myself. I then fed skimmilk with a little oilmeal added, increasing the amount of meal gradually. The next Mail and Breeze said it would be better to feed the oilmeal dry because this would necessitate a flow of saliva in chewing, therefore causing the meal to digest better. That sounded reasonable so the calf got the meal dry and it ate it readily. We keep alfalfa hay before it all the time and are now feeding a handful of bran with 2 handfuls of oilmeal three times a day. This mixture is slightly salted. The stall is kept clean, dry and well bedded. You ought to see that calf grow. It is getting bigger every day and is a credit to the Mail and Breeze dairy department.

Perry, Okla. F. A. Richardson.

### When it Pays Better to Sell Cream.

[Prize Letter.]

Mr. Editor—We dispose of our dairy products in two ways—selling cream and selling butter. At present we are selling cream because we found by a test that there was more money in it. We divided a batch of cream in two equal parts, made butter of one part and sold the other at regular prices for cream. What we found out was that when cream was worth more than 4 cents per pound of butter fat, over the price per pound of butter, it paid best to sell the cream; but when butter fat was below the 4-cent margin the most money was in butter. Butter fat is now 8 cents above butter and in some places the difference is greater than that, so the old man says sell the cream. We consider that the amount of buttermilk offsets the work of churning.

R. 2, Vesper, Kan. J. W. Wilson.

### Going to Build a Cement Silo?

Interest in concrete silos all over Kansas was never so great as this spring. A great many farmers are planning to build and quite a number are looking to the Agricultural college for help in putting up either a solid wall silo or one of the cement, metal-lath type. The college will have men in the field again for this work but it is doubtful whether all who will apply can be accommodated. Western counties will be favored by the college so far as possible since the eastern counties have received the bulk of college help heretofore. Circuits for these silo builders are being arranged now and anyone wanting their help will do well to write to the college extension department at Manhattan at once, giving the size and type of silo he wants to build. Cement silos should be put up before hot weather to avoid danger of checking.

### With Good Cows and a Separator.

Mr. Editor—In August, 1909, after much persuasion, I consented to my husband buying a separator. At that time we had three cows in milk and two more coming fresh in a few months, and were hardly making enough butter for the family. The first seven days after we used the separator we made 6 pounds of butter and sold \$1.80 worth of cream besides. Then I was convinced. The next month I made 24 pounds of butter and sold \$12.90 worth of cream, this amount of butter alone being almost as much as we used to get in two months by the old way of skimming.

During this winter we have milked four cows and our cream and butter money has averaged \$23 per month, besides what was used for the table. We kept the cows well housed and they had plenty of alfalfa and cowpea hay. Their grain feed was a gallon of shorts and corn chop and a pint of cottonseed meal per cow twice a day.

Mrs. C. B. Corbin. Hartford, Kan.

### 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.

## "MEN WHO KNOW"

USE THE

# DE LAVAL CREAM SEPARATOR

Does it not mean a great deal to YOU, the prospective buyer of a Cream Separator, that such men as

- Hon. Levi P. Morton, Ex-Vice Pres't United States
- F. L. Houghton, Sec'y Holstein Breeders' Ass'n
- Hon. Whitelaw Reid, U. S. Ambassador to England
- Alfred G. Vanderbilt, of that famous family
- Hon. W. B. Barney, Iowa State Dairy Commissioner
- C. F. Smith, Master Vermont State Grange
- Norman B. Ream, of the Pullman Palace Car Co.
- Wm. MacKenzie, Pres't Canadian Northern Railway
- S. S. Carvalho, Manager the Hearst newspapers
- Hon. Seth Low, Ex-Mayor of New York

and many others like them, good dairy farmers as well as great leaders in every sphere of human endeavor, each of whom is possessed of much personal experience and a thousand authoritative sources of separator information, are among the 1,375,000 satisfied users of DE LAVAL Cream Separators!

It's always a wise policy to profit by the experience of others.

## THE DE LAVAL SEPARATOR CO.

NEW YORK CHICAGO SAN FRANCISCO SEATTLE



# "Bath-In-Oil"

### SEPARATORS MAKE GALLOWAY THE ENVY OF ALL COMPETITORS

Why pay \$21.25 to \$45 extra cash out of your pocket to any dealer or any one else for any separator when you can buy my Galloway "Bath-In-Oil" Separator—built like a \$5000 Automobile—from \$29.75 and up. My "Bath-In-Oil" principle in separators is famous with tens of thousands of farmers and dairymen—from ocean to ocean. Let me send you a Galloway at my risk—30 days free trial, freight prepaid. Save the money. Get my proposition and big separator Book Free.

## SPECIAL —To The First 10 Men or More in Each Township

I want to place 10 or more of my famous Galloway Bath-In-Oil Cream Separators in every township right away. And I'm going to slice prices on a grand scale in order to get quick action from 10 or more men in every township who answer this "Ad". So, don't hesitate a moment, but get out your pencil and postal card and

**Send Your Name NOW** Get quick action on this wonderful offer. Be one of the first from your township. My prices to you are less than your dealer can buy Separators for spot cash in car load lots! Send your name and address on postal today, and my big offer will go to you at once. Address, **WILLIAM GALLOWAY, President** William Galloway Company, 2034 Galloway St., WATERLOO, IOWA

Victor Sitts, Holt, Michigan

Writes: "For Quality you certainly make a price on your separator that is right and I will say that I saved from \$25 to \$30 by ordering from you."



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WHOLESALE PRICE TO CONSUMERS—Combining best quality with low price. NO WATER IN MY KEROSENE OR GASOLINE.

- XXX 46 gravity water white kerosene.....\$4.25 for 52 gal. bbl.
  - XX 42 gravity kerosene (the kind usually sold).....\$3.75 for 52 gal. bbl.
  - XXX 64 gravity gasoline.....\$7.50 for 52 gal. bbl.
  - 1 case graphite axle grease (2 doz. 3 pound pails).....\$3.50
  - 40 gravity prime white stove distillate.....\$3.25 for 52 gal. bbl.
  - 38 gravity stove distillate.....\$3.00 for 52 gal. bbl.
  - 60 gallon (26 gauge) galvanized steel tank with pump and hood cover complete—a great convenience in every home.....\$3.60
  - Extra heavy pure crude oil, steamed and settled, (black oil) good lubricant, just the thing for greasing tools.....\$3.50 for 52 gal. bbl.
  - STANNARD'S PROCESSED CRUDE OIL, the best dip made for killing lice and curing mange. One application will do more to kill lice and cure mange than three applications of any other dip made (it destroys the nits).....\$5.00 for 52 gal. bbl.
- I also carry a full line of lubricating oils.  
I pay \$1.25 each for all barrels returned to me at refinery in good order, freight prepaid. Send the money with your order.  
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# 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.

## A "Show Down" for Parcels Post.

Mr. Editor—You do not hear much from the farming community because of their inability to organize for mutual benefit and protection. The large business concerns of the country by organization, strategy and bribery can and do defeat bills of the utmost importance to the welfare of the farmer. I have in mind the domestic parcels post which farmers generally consider of more importance than even rural delivery or the postal savings bank. This measure has been defeated so often in congress that farmers are more than disgusted. The feeling has become so intense that we are on the verge of a political revolution which will sweep every senator and congressman from his job who fails to do his whole duty. Just why the retail merchant should continue to play in the hands of the express companies is a mystery. The farmer does practically all of his mail order business by freight. The retail merchant uses the express companies frequently but sells the goods with express charges added, and the consumer, in most cases a farmer, pays the bill. If the retail merchant is to be retained in the scheme of distribution he must cease his opposition to parcels post. I earnestly urge every farmer and merchant who reads this to join me in writing a letter to our two senators and our district congressman at once. This is our only effective way to offset the mischievous work of the professional lobbyist and corruptionist. Yours for immediate action.

A. J. Rice.

Hill City, Kan.

## The Farmer Needs Representation.

Mr. Editor—I consider the greatest need of farmers to be organization and representation in legislatures and congress. Our representatives belong to and work for the "interests" and devote their time largely to passing laws of benefit only to their class. But laws for the benefit of farmers have hard sledding, as for instance a parcels post. The people of Rome lost their liberties 50 years before they knew it. The people of this country do not yet realize that the money power is in complete control of this country. It is said that one, J. P. Morgan, absolutely controls the credit of the United States by reason of a little "joker" slipped through congress a few years ago, requiring the gold to be deposited in his banks instead of the United States treasury.

J. B. Thompson.

Plattsburg, Mo.

## Do Business the Modern Way.

Mr. Editor—Farmers in every community need a more intimate relation or co-operation with each other in selling their products. They should agree upon a fixed price and then live up to it faithfully. It is really a foolish piece of business for a man or set of men to take all risk or chance in producing something and after accidentally tiding it through take it to the prospective buyer and have him set a price on it. The farmer holds up the commercial world and if he ever expects to make a living, not a mere existence, he must certainly change his mode of handling his products. He must organize and then the drift to the city will cease and a reaction set in.

J. H. Holbert.

R. 1, Nowata, Okla.

## How Taxes Might Be Lessened.

Mr. Editor—James J. Hill has said, "Land without people is a wilderness and people without land are a mob." For the "wilderness" part of it we have only to refer back to 1492 when Columbus discovered America and the "mob" is in evidence March 1 of every year when we see over half our farmers changing places as renters. Our system of taxation is responsible for this condition for rent and interest are only other names for taxes.

The principles of taxation should be taught in our schools instead of so much

Latin, algebra and football. The taxpayers are now spending \$145 per student per year at the state university while on each of our children we spend \$14 per year in the rural schools.

As a result of the tariff tax this government has created corporations bigger than the government itself and as capital cannot be taxed the burden must finally be borne by the producer. I would exempt all mortgages, also all bankers, merchants and railroads from taxation, for this would make interest rates lower, merchandise cheaper and transportation rates would eventually come down. The expense of assessing these forms of capital would then also be done away with.

We only need one house of our present national government—the house of representatives—and with about one third of its present membership. The same is true of our state government and with both the national and state senates abolished we could use the money thus saved in building better roads.

J. Wesley Taylor.

Maple Hill, Kan.

## "Accumulators" Get the Lion's Share.

Mr. Editor—The farmer receives about 40 per cent of what he makes and the "business" of the country gets the 60 per cent. The farmer makes \$100 and business accumulates \$60 of it. There is a difference between accumulating money and making it. The middleman does not make a dollar but accumulates what some other man made. This applies to all professional men, doctors, preachers, lawyers, teachers, jobbers and a dozen other classes. Just now it seems as though the man who is doing the accumulating is getting the best of it. There is one law that farmers want to a man, and that is the establishment of a parcels post.

J. E. Wingard.

R. 1, Independence, Kan.

## Why Not Help Out Real Business?

Mr. Editor—For centuries farmers have been compelled to ask buyers what they would pay for their produce while on the other hand the farmer is forced to pay what the other fellow asks for all he needs. Why do not our lawmakers try to do something for the business that is the backbone of the nation? I know there are people who say you cannot put money into the farmers' pockets or help their condition by legislation, but it is a poor rule that won't work both ways and this central bank scheme now being agitated is one of the finest ever devised to legislate money out of the producers' pockets.

H. D. Compton.

Milton, Kan.

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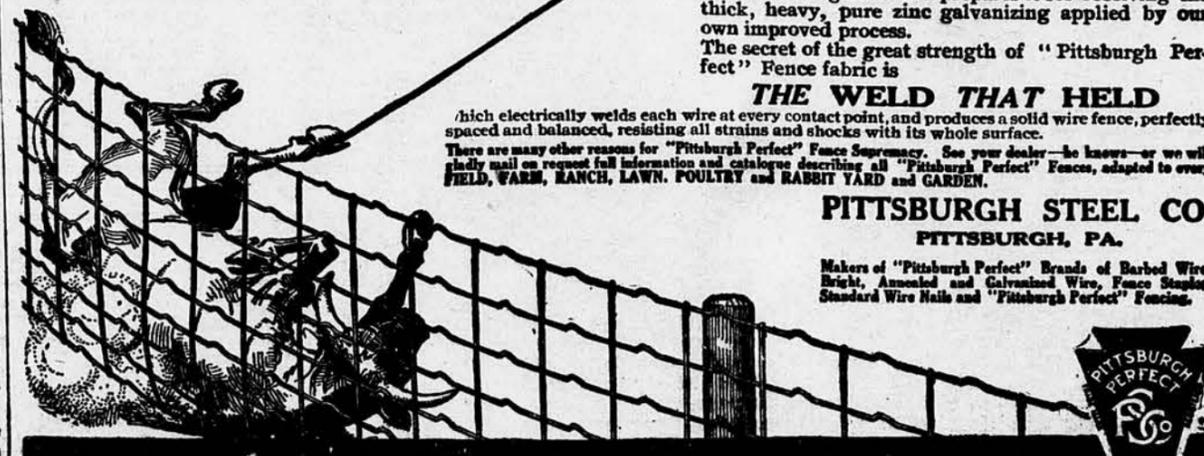
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**QUESTION CORNER**

Questions bearing on farming or stock raising answered in this and other columns of Farmers Mail and Breeze. Sign full name, not necessarily for publication. We are sometimes able to give the questioner additional information privately, or a more immediate reply by mail, if stamp is enclosed. Address Editor Farmers Mail and Breeze, Topeka, Kan.

**Brooder Lamp Explosions.**

The lamp in my brooder blew up recently after I had filled it with oil in the morning, trimmed the wick and turned the flame to the proper height. Can you tell me what caused it and what can be done to prevent such accidents?—H. A. R., Cashlon, Okla.

In most cases the blowing up of the brooder lamp is due to the chamber in which it is placed being closed up too tight. The oxygen is soon consumed. This causes improper combustion in the flame which forms a lot of soot that settles all over the lamp, this soot finally catches fire and an explosion usually follows. This is our best guess on the information you have given us.

**Himalaya Berries.**

Can you give us any information about the Himalaya berry?—M. S. W., Madison, Kan.

This berry is very much like the blackberry or dewberry. It is a stronger grower, single branches often making from 15 to 20 feet of growth in a single season and growing right up to cold weather. It winter-kills badly and during a severe winter like this one the unprotected canes usually kill back to the ground. The berries are decidedly tart unless dead ripe and are not considered as palatable as the better varieties of blackberries. Experiments with this fruit in Nebraska, Iowa and New York have proven disappointing. We have not heard of its being tried in Kansas.

**Inspection of Stallions.**

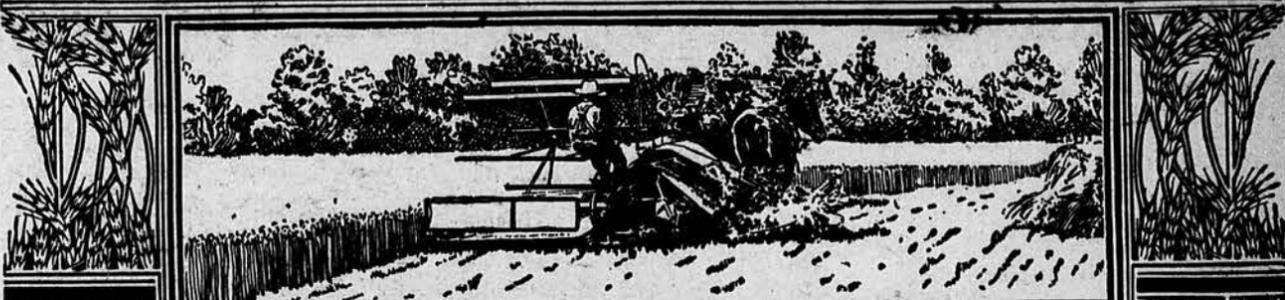
By whom must a stallion be inspected before the owner is allowed to stand him for service? What is the expense generally?—F. H. B., Marion, Kan.

Stallions must be inspected for soundness by inspectors authorized for the district in which the stallion is located. In your district the authorized inspectors are Dr. R. B. Doty of Peabody and Dr. M. D. Loy of Florence. The expenses for the examination are \$2 for making the inspection and such other amount as may be agreed upon between the stallion owner and inspector to cover expenses of trip. This arrangement is based on the opinion of the attorney general and also the decision of the courts of Kansas. The inspection is required in order to furnish the facts concerning the horse's soundness to the state livestock registry board which will then issue a license to the owner permitting him to stand the horse for public service. The fee for issuing this license is also \$2. Any other information may be had by addressing the Secretary of the State Livestock Registry Board, Manhattan, Kan.

**Treating Corn for Smut.**

Is there any way that seed corn may be treated so as to prevent the smut from getting a start?—P. F., Lewis, Kan.

There is no use treating corn for smut, for the reason that smut of corn may attack the growing plant at any time in the growing season. Ordinarily the smut spores are scattered over the surface of the soil and send their germ tubes into the growing corn when it comes up. The treatment of the grain would only be effective so far as killing any spores that might happen to stick to the outside of the corn kernels is concerned. Now this is a very small amount in comparison to the amount of smut spores which might be scattered over a field, or that may blow in from neighboring cornfields, so that you would not accomplish anything to speak of by treating the seed. The only way of keeping down the smut of corn, is to go through your field and cut out all of the smutted stalks wherever you find them, before the smut has ripened and begun to blow away. If you have a field in which badly smutted corn grew last year, you would better rotate to another field this season. By doing so and planting your corn field to another crop, you will give the smut spores which are already scattered over the ground, a



**The Wheat Harvest Is Everybody's Business**

**M**ORE than a hundred million people await the report from the wheat fields. Everybody is interested. A good harvest means prosperity to all. It means more than prosperity to the man whose work lies in the city or town; to him it means existence. Two-thirds of our people depend absolutely upon the other third for the very bread they eat. Truly, the wheat harvest is everybody's business, a matter of the deepest concern to us all.

Fortunately the farmer's reward for his work in the wheat fields is reasonably sure. Scientific preparation of the soil and seed bed, rotation of crops, selection of seed, and the use of high grade farm machines, have made a good crop almost an assured fact. For work of such importance the best machines that can be made are absolutely necessary. The harvest time is short; every minute is important; delay is intolerable and expensive. The choice of machines to harvest your growing crop is your most important duty. Make your investigation thorough and complete and you will decide that the harvesting machine for you is one of the world-famous I H C line:

count of a broken part may cost you more than the price of a new binder. When you buy an I H C machine you buy it with the assurance that any needed part is no further away than your dealer's place of business.

This service does away with all unnecessary delay in the field and assures you a full harvest garnered in good season. This fact in itself is a strong reason for the purchase of an I H C harvesting or haying machine or tool.

The experience of many farmers for many years points to one of these machines as the one best buy for a man whose profit lies in the successful harvesting of a small grain or hay crop. I H C machines have been tested thoroughly under every harvest field condition, and have made good in every test. You are not asked to make any experiments, the experimenting has all been done. You take no risk, I H C experience has provided against all risks. With an I H C machine you are safeguarded against all harvesting chances except those of the weather, and very largely against them.

Of next importance to the choice of a machine

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One of these will meet your harvest conditions better than any other machine made, because they have been developed in just such fields as yours. Improvements have been added year by year until I H C machines are practically perfected. They cut equally well, short, tall, standing, down, or tangled grain. They have been simplified until anyone can handle them safely and efficiently.

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is the buying of binder twine that will work without waste or trouble in that machine. Here again we have arranged to supply your needs with the best twine that can be made. Take your choice of seven brands—Champion, Deering, McCormick, Milwaukee, Osborne, Plano, or International, all made in four grades—Sisal, Standard, Manila, and Pure Manila.

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chance to germinate and die. Then next season you may afford to put this ground into corn again.

H. F. Roberts, Botanist.  
Kansas Agricultural College.

**Trimming Pine Trees.**

I should like to know what season of the year is best for trimming pine trees.—A. G., Wakefield, Kan.

There is no special time when this work should be done except that it is usually most desirable to prune during the dormant season, which is any time between December 1 and April 1. If the wounds inflicted by the pruning are large, they should be painted with an application of white lead or tar to prevent fungus from entering.

In all landscape work, the rule for handling evergreens is never to trim them. An evergreen tree that is deprived of its limbs for a height of 8 or 10 feet or more is an unsightly object in any landscape planting. The value of the evergreen lies very largely in the fact that it affords a bank of foliage from the ground to its tipmost branch. In case evergreens are growing in the front yard in a limited amount of space, it may become necessary to trim them to admit light and sunshine to the dwelling. In this case the pruning should be done as stated above.

C. A. Scott, State Forester.  
Manhattan, Kan.

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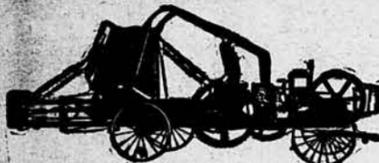
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**VETERINARY ADVICE**

Conducted for Farmers Mail and Breeze  
BY DR. F. S. SCHOENLEBER,  
Professor of Veterinary Science  
Kansas Agricultural College.

Our readers are invited to consult Dr. Schoenleber in an advisory way in case of trouble with livestock. In asking advice be sure to state in full the history of the case, location of the disease and the conditions under which animal has been kept just prior to and since the disease appeared. If a horse state weight. Also write across the top of your letter to be answered in Farmers Mail and Breeze and always sign name in full. Unsigned inquiries will not be answered.

**Cure For Halter Jerking.**

Is there any remedy for the habit a 2-year-old colt has of jerking the halter rope out of the hand while leading?—J. E. S., Phillipsburg, Kan.

About the only way to break the colt of this habit is to work it until it gets tired before leading, then when it tries the trick, arrange so you can get perfect control and show it who is the master.

**Sudden Death of Fat Hog.**

I had a hog that died in 48 hours after being sick. It was very fat and seemed to be weak in the hips and back. What was the cause?—W. H. K., Alta Vista, Kan.

In all probability the trouble was caused from indigestion or some disease. Hogs affected with tuberculosis frequently act in this way. Worms also sometimes cause trouble of this kind. Which one of these causes is responsible is a question that can be answered only by a post mortem.

**Worm Remedy For Colts.**

Will you please tell us what will drive out worms in colts and horses?—A. W., Colby, Kan.

Feeding a small teaspoonful of powdered sulphate of iron once a day or a teaspoonful of equal parts of wood ashes, sulphur and salt once per day or giving them about 1 ounce of spirits of turpentine in 1/2 pint of linseed oil every other day for three doses should help some. Any of the above should help the colts, but which would be the best would all depend upon the kind of worms.

**Treatment For Sniffing Hog.**

I have a pig that started to sniffing about Christmas and although we have tried various remedies it is no better. It chokes when trying to eat and now can only drink. This morning it seemed to have a fit and fell over on its back. What can be done for it?—J. S. S., Topeka, Kan.

In all probability there is a foreign growth which may be in the form of an abscess, which is gradually closing up the passages. I see nothing to do except to have a thorough examination made by a man who understands the anatomy of hogs and follow with a surgical operation.

**Swelling on Ankle.**

I have a 9-year-old mare that I bought from a man who said she had kicked through a board in the barn about a year ago. Her ankle is swollen to about twice its normal size and is hard as a rock. The large tendon is slightly swelled and the joint next the foot is loose. She walks and stands on the front part of the toe and cannot put her foot flat on the floor. She is a driving mare and weighs about 900 pounds. What can I do for her?—T. F. E., Leroy, Kan.

In all probability there is too much organized connective tissue present, which is causing this enlargement, and if this is the case, I doubt whether you can do anything for her. The circulation is probably weak. In an animal of this age, it would hardly pay to have her tendon operated upon. About the only thing that would help would be to keep these parts and the hoof as soft as possible.

**Premature Foaling.**

I have a mare that weighs 1,150 pounds and is 15 years old. She was bred to a horse last spring and lost her colt just two months ahead of time. Have been feeding her hay, corn, and Kafir but the Kafir was not frozen. Did not work or drive her last summer as she was raising a colt at that time. What was the reason for her throwing her colt and is there any danger in breeding her again next spring?—H. E. S., Osage City, Kan.

It is impossible to give any reason for this trouble. It might have been accidental, caused from a sprain, a kick, indigestion or the result of exposure to the wet or cold. Drinking ice water will also cause this trouble at times and again it might be the diseased condition of the animal. If the mare is perfectly healthy and has no unnatural discharge from the organs, we can see no reason why this should happen again

next year. Would suggest that after she is safely in foal for seven months you feed her about 10 drops of pure carbolic acid diluted with a little water and mixed with her feed once a day for about 10 days. Repeat this at the end of every three weeks until she drops her colt.

**Probably Indigestion.**

I have a 5-year-old horse weighing about 1,000 pounds that is apparently all right except when trotting. After going a couple of miles he throws his head around to one side then the other and gets wet with sweat all over. After that it seems impossible for him to go faster than a slow walk. He has been affected this way for about 18 months. What can be done for him?—W. A., Anness, Kan.

With the limited information no definite diagnosis can be made. We might suspect indigestion or might suspect some foreign growth or injury. If you wish to experiment with him, you might give him 1 tablespoonful of fluid extract of echinacea once a day for about two weeks, but if he is a valuable animal would suggest that you consult a veterinarian.

**Feeding Frosted Kafir.**

I cut and shocked some fodder after it was frosted and it has been in the shock over two months. It was not quite mature when frosted. Is it safe to feed now? I also have some Kafir stalks that are still uncut and intended to pasture them. Would it be safer to cut and burn them rather than turn in the cattle?—H. G., Mont Ida, Kan.

Poisoning with cane and Kafir is something that is not thoroughly understood. We usually consider that after it is cut and cured it is fairly safe to feed, also after it has been well frosted, whether standing or cut, it is usually considered safe to feed. If one has considerable stalks it would hardly be advisable to burn them as feed is quite scarce this year. I would suggest that you feed one or two head with small amounts at first and watch the results.

**Treatment For Skin Disease.**

We have two mares that have some kind of disease every spring. Little swellings appear on shoulders and withers and the hair comes off in patches about the size of a quarter until all the hair is off these parts. It does not affect them on any other part of the body. Last spring the swellings on one of the mares became as large as your fist in some cases. What is this and what can be done?—F. J. Z., Phillipsburg, Kan.

The trouble is a kind of skin disease which is sometimes hard to cure, especially during the hot weather. Would sponge the animals thoroughly with a pretty strong solution of soda and water when this comes on and at the same time would give a heaping tablespoonful of powdered sulphate of soda in the feed once a day for about 10 days and then give each 1 ounce of Fowler's solution of arsenic once a day for about 10 days. If the trouble keeps up would repeat in the same way.

**Ailing Mule.**

I have a 4-year-old unbroken mule that ran in pasture last summer until harvest. One day I noticed he had a wobbly gait and it appeared to be due to some trouble in his hips or hind legs. I rubbed on some liniment but it did not appear to help him. He is well and hearty but still has that wobbly gait, although almost unnoticeable at times.—J. E. B., Conway Springs, Kan.

Either a case of parasites or nerve trouble. Would give him 1 ounce of spirits of turpentine in 1/2 pint of linseed oil once a day for about three days unless it acts too strongly upon the kidneys. Would repeat this in about 10 days and if there is no improvement would give him a teaspoonful of the following in a little grain once per day; 1/2 ounce of powdered nux vomica, 1 ounce powdered sulphate of iron, 1 ounce of powdered licorice root, 1/2 pound of oil cake meal. Mix thoroughly.

**Treatment For Coughing Cow.**

I have a cow that has been coughing for about three months. She coughs more in the morning after eating her bran and oil-cake than at any other time. What is your opinion as to the trouble? If necessary to have her examined, who will get to do the work? She will be fresh in a few days.—F. R. W., Fisher, Kan.

A cough of this kind may be caused from a cold or some other irritation. The animal may now be affected with a chronic inflammation of the throat, lungs or bronchial tubes or this may be caused by tuberculosis. Giving her a heaping teaspoonful of a mixture of equal parts of nitrate of potash and powdered ginger once or twice a day in her feed, ought to help her cough a little if it is caused from a cold. Of course it is unnecessary to state that she should be kept from weather exposure and should not be fed dusty hay.

**Dip for Dollars**

You actually put dollars in your pocket when you put your hogs through a bath of Dr. Hess Dip and Disinfectant.

Its action is swift and sure—it prevents scurvy skin—kills lice and fleas which so often hide and play havoc behind the hog's ears, between the folds of the skin, and around the abdomen.

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prevents mange, scab, hog cholera and all parasitic skin troubles. It is a powerful disinfectant, germicide and deodorizer, equally effective on sheep, horses, cattle, dogs and poultry.

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**Dr. Hess & Clark, Ashland, Ohio.**



**DEATH TO HEAVES AND INDIGESTION TROUBLES**



Indigestion causes Heaves, Newton's Heave, Cough, Distemper and Indigestion Cure gets at the root of the trouble by correcting Indigestion, and is therefore Death to Heaves.

Heaves is not a Lung Trouble. Heaves is brought on by indigestion caused by overfeeding bulky food or violent exercise on an overtaxed stomach. Overfeeding enlarges the stomach and diaphragm, retarding the circulation and nerve force of the lungs. Good feeders and good workers only have Heaves. Newton's cures Chronic Cough, caused by indigestion and the after-effects of Distemper. It cures Distemper by driving the poison from the blood. Newton's, in correcting Stomach and Bowel troubles, makes it a Grand Conditioner. Expels intestinal worms, cures Colds, Acute Cough, prevents Colic, Staggers, etc. A Blood Purifier, cures Skin Eruptions. Economical to use; dose is small. Equally effective for all stock.

Put up in screw top cans, 50c & \$1.00. Large can contains 2 1/2 times as much as small, and is recommended for Heaves and Chronic Cough. Sold by all Dealers or sent direct prepaid. Newton's is a standard Veterinary Medicine backed by Twenty Years' Record of good results. Satisfaction guaranteed in every can. Book with full explanation sent free.

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We will send the Mail and Breeze to new subscribers in Kansas or Oklahoma ten weeks for ten cents. For your trouble you may keep the dime collected on each order secured. Just send us the names and addresses. They must be names of farmers who live in Kansas or Oklahoma. No others accepted.

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Hessfield, Ind.

**When Ready Cash Was Short**

A BIT OF EARLY HISTORY.

At the recent banquet of the Mitchell County Breeders' association at Beloit a little early day Kansas history came to the surface incidentally, and showed how far from a cash basis business was transacted in those days:

C. J. Johnson of Solomon Rapids, who now rides up and down the valley in an automobile, and who recently bought the International prize-winning team of Percheron mares, first drove up the Solomon Valley with a team of oxen. That was 40 years ago and the ox team didn't even belong to him then. He found work at W. H. Mitchell's boarding house, cutting wood at \$12 per month and board. His salary was not cash but due bills on the stores, which in turn went to the clerks in the stores for wages and these in turn boarded them out at the Mitchell house.

After a time Johnson took a claim and bought some seed wheat from George McKinnie, meanwhile still working for Mitchell in winter. McKinnie's brother John wanted to build a house and asked his brother for money due him with which he might buy lumber at John Curten's saw mill. But George was a little shy of cash so applied to Johnson for what was due him on the seed wheat. Johnson went to Mitchell for cash instead of due bills for wages but Mitchell was short of funds, too. However, Mitchell found out where the original demand came from and since John Curten owed him for a board bill he gave Johnson an order on Curten, Johnson gave the order to George McKinnie to pay for the wheat, George gave it to his brother John who in turn passed it on to Curten for the lumber to build a house. Curten then returned the order to Mitchell which paid his board bill and everybody was square all around.

**Coburn's Seed-Corn Warning**

IT IS BASED ON KNOWLEDGE.

The Hutchinson News referring to Secretary Coburn's warning as to seed corn, makes the following sensible comment:

Secretary Coburn sounds an alarm that may be headed with good reason in regard to the possibilities for the coming crop of corn. Secretary Coburn is so fair in his judgment of the needs of agriculture in Kansas that it pays to take notice of what he has to say.

It is this, that much of the corn grown last year in the state is not fertile and will not germinate if used for seed. He says this is the case in many parts of Kansas and that to plant this sterile seed is to take a chance that ought not to be taken. The secretary also says that there never was a better looking future for crops, especially of corn, than is in sight. The conditions are the best ever known, the soil is in most excellent condition, clear out to the Colorado line, and there should be care exhibited by the farmer in taking advantage of this. If the seed corn on hand is not good corn it is certain that it should not be planted. If the farmer has to go outside of the state for seed it is well to do so if that seed is better than the seed grown in the state.

The secretary does not get excited needlessly. He is careful in his statements. Therefore when he says there is danger in planting corn grown in Kansas last year because a good share of it will not grow, his word should be taken and an intelligent effort made to get seed that is certain to germinate.

**Hard Winter in the Southwest**

Farmers Mail and Breeze has recently received the following letter from a reader in southwestern Kansas with reference to the storm which visited that part of the state in December and the hardships he declares it entailed on the settlers by reason of a shortage of feed. It appears there was some controversy with reference to the need of relief. We give his account of the matter:

Deeming it my duty I herewith contradict a few statements made by the Hamilton County Republican and The Syracuse Journal. In December, 1911, the southwest part of Kansas was visited by a blizzard. As it was a poor crop year the storm caught most of the settlers with little or no feed, as might be the case in any county in any state. A few forethoughtful men asked for relief in the way of feed, but a few land sharks thought this would be a "black eye" to the town and county. Thus the feed was not shipped and the community expecting the feed lost a good portion of its stock. In the papers, next issue, they made mention of the bank's wealth, the electric light plant and water works the city was putting in, and asked if that looked as if the people were in need. They also denied the loss of any great amount of stock and declared the county would take care of itself.

You have in the foregoing a brief outline of both sides of the case. It has been my lot to go to town quite frequently since the blizzard. I have found it a common thing to see the freight platform loaded with sheep pelts and cow hides.

**Ex-Pres. Roosevelt and Good Roads**

**Write Tonight for "CULVERTS"**

Theodore Roosevelt hit the nail squarely on the head when he said "good road-building makes in a nation those solid, stable qualities which tell for permanent greatness." As a farmer you know the grief and loss caused by bad roads. The quicker, easier and cheaper you get your farm products to market the more money you will save and make—the faster your land will increase in value. Good roads pay big profits; good taxpayers should have good roads. And good roads are impossible with culverts which crack, break and wash out without warning:

**Get a Copy of "CULVERTS"**

**Use American Ingot Iron Culverts**

They outlast all others. Frost will not injure them. They will not sag or buckle under the heaviest fall of traffic, and they will resist rust. Not made of ordinary galvanized steel, which rusts quickly when put in the ground, but of pure iron, much like old-fashioned puddled iron, which resists corrosion. Railroads will not use steel pipe—they specify American Ingot Iron Culverts.



Send for Full Particulars and Prices

**Write to the Nearest Manufacturer**

- Dixie Culvert & Metal Co., Little Rock, Ark.; Atlanta, Ga.
- California Corrugated Culvert Co., Los Angeles, Cal.; West Berkeley, Cal.; Reno, Nev.
- Colorado Ingot Iron Pipe & Flume Co., Colorado Springs, Colo.
- Delaware Metal Culvert Co., Clayton, Del.
- Illinois Corrugated Metal Co., Bloomington, Ill.
- W. Q. O'Neill Company, Crawfordsville, Ind.
- Princeton Sheet Metal Company, Princeton, Ind.
- Fort Dodge Culvert Company, Fort Dodge, Iowa.
- Independence Corrugated Culvert Co., Independence, Iowa.
- The Road Supply & Metal Co., Topeka, Kan.
- Kentucky Culvert Company, Enochel, Ky.
- New England Metal Culvert Co., Palmer, Mass.
- J. N. Spencer, Havre de Grace, Md.
- Michigan Bridge & Pipe Company, Lansing, Mich.
- Bank River Bridge & Culvert Co., Bank River, Mich.
- Eau Claire, Wis.
- Lyle Corrugated Culvert Company, Lyle, Minn.; Minneapolis, Minn.
- Corrugated Culvert Company, Moberly, Mo.
- Montana Culvert Company, Missoula, Mont.
- North Carolina Metal Culvert Co., Greensboro, N. C.
- Northwestern Sheet & Iron Works, Wabpeton, N. D.
- North-East Metal Culvert Co., Nashua, N. H.
- Pennsylvania Metal Culvert Co., Flemington, N. J.; Warren, Pa.
- Economy Culvert Company, Auburn, N. Y.
- Nebraska Culvert & Mfg. Co., Lincoln, Neb.; Wahoo, Neb.
- Ohio Corrugated Culvert Co., Middletown, Ohio.
- Oklahoma Corrugated Culvert Company, Shawnee, Okla.
- Security Vault & Metal Works, Portland, Oregon.
- Sioux Falls Metal Culvert Co., Sioux Falls, S. Dak.
- Atlas Metal Works, Dallas, Texas.
- Lone Star Culvert Company, Houston, Texas.
- Western Metal Manufacturing Company, El Paso, Texas.
- Tennessee Metal Culvert Company, Nashville, Tenn.
- Utah Culvert Company, Woods Cross, Utah.
- Virginia Metal Culvert Company, Roanoke, Va.
- Spokane Corrugated Culvert & Tank Company, Spokane, Wash.
- Wisconsin Culvert Company, Madison, Wis.

The triangle trademark on every section protects you. Tell us your road troubles and plans—we'll send you expert advice without charge. American Ingot Iron Culverts can be obtained only from the manufacturers mentioned below.

There's one copy of the book "Culverts," shown below, waiting for you. Send for your copy now—it will save you time, money, labor.



**American Ingot Iron May Be Had In Sheets-Plates-Formed Products**

I did not take time to count them at any of my visits, but there was a good-sized shipment each time. I am informed by others that one may walk for some distance in the old irrigation ditch on unskinned carcasses. I also know of families that subsisted on cotton cake alone for a week.

It is not the fault of the country that conditions are such, for we have one of the most ideal surveys, this side of Mars. All we lack is moisture as was once the case with the people of Egypt. But a greater percent of the people will say that if it had not been for the kind heartedness of some of the merchants the loss would have equaled the Indian massacre.

BYRON A. BOUGHTON.

Syracuse, Kan.

**Where Hunters Are Welcome.**

Mr. Editor—Farmers Mail and Breeze finds its way to this land of cactus every week and it is a most welcome caller. Your editorials are splendid and almost every one voices our sentiments. I would also agree with you on your defense of the quail if I lived anywhere else but in Arizona but here the quail hunter gets a glad welcome from the farmer because quail are a pest with us. Climatic conditions seem to favor their

breeding here for they are most prolific, one pair raising from 30 to 60 in a season. There is so much waste country for them to breed in that when they come in from the rough lands they take entire crops of vegetables and other crops grown along the streams.

William Lee.

Wickenburg, Ariz.

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

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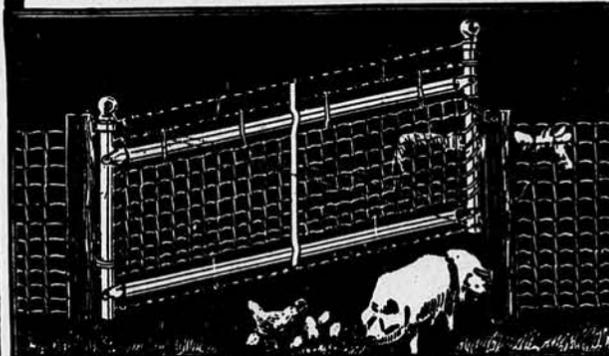
THERE'S no string to this offer. Some concerns say "free trial" and then ask you to pay money in advance. With me it's different. I ask you to pay no deposit—give no security. You are under no obligation to me whatever.

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The above offer is open to everybody. When writing tell me how many gates and the kind you have in use on your farm and I'll send you, also FREE—"No Hunting" signs.

Address **JOSEPH B. CLAY, Manager**  
**Iowa Gate Co., 23 Wash. St Cedar Falls, Iowa**



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Take me at my word. Send postal for my special proposition and free offer open to everybody. Look over the figures I'll send you and ask yourself if this ever made—and make money in the bargain. For not only add value to it but save \$50.00 to \$250.00 according to the number of gates you need.

This new Iowa Gate is far superior to other gates. Its adjustability at the outer end, to raise over obstructions, to meet the different kinds of gateways, to raise over snow, to raise high enough to let hogs go underneath, separating larger stock—and to raise at the back end, with stretchers on the lateral wires, proves its true worth. While the high-carbon steel frame compares the equal of which can be found nowhere outside the "Iowa" line.

Just send me the style, the size and number of gates you want, and I will ship them to you without one penny deposit. Use the gates 60 days. Then if you like the case you are not satisfied, re-ship the gates at my expense—and the trial will not have cost you a single penny.

Send postal for FREE book. Or, better still, write me a letter and let me show you how easily you can own have my gates as you are. That ought to make it easy for us to get together. Write today. Yours truly,

**JOSEPH B. CLAY, Manager,**  
Iowa Gate Company, 23 Wash. St., Cedar Falls, Iowa

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FRAME GALVANIZED 3 TIMES HEAVIER THAN FENCE WIRES



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Cyclone Ornamental Fence will give the outside of your home the finished appearance that curtains give the inside. It takes away that look of something lacking.

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We make you the same price we would make the Dealer or Jobber. That is why we can save you money. Look at these very low prices.

**11 1/2 CENTS A ROD**  
2 for 15-in. hog fence.  
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25 c. a rod for 60-in. poultry fence.  
\$1.40 for 80 rod spool of Ideal Barbed Wire. Large free Catalog showing 100 styles of Farm, Poultry and Lawn Fence.

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IS WORTH SAVING. GET OUR CATALOG.



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BROWN FENCES will outlast any other because of heavier wires and thicker galvanizing. 100 styles for all purposes. Also Lawn Fences and Gates.

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**FARM FENCE**

**11 1/2 cts. a rod**

for a 26 in. high hog fence; 16 1-2 c. a rod for 47 inch high stock fence. 28 c. a rod for a 50-inch heavy poultry fence. Sold direct to the farmer on 30 Days Free Trial. Special barb wire, 80 rod spool, \$1.40. Catalog free.

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26-inch Hog Fence,.....15c.  
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Many styles and heights. Our large Free Catalog contains fence information you should have.

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**LOW PRICES** for this handsome fence

100 other styles. Many cheaper than wood—all better. For Lawns, Churches, Parks, etc. Write for Pattern Book and special offer.

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**ORCHARD & GARDEN**

For the best letter each week, contributed to this page by a reader, we offer a year's subscription or extension of subscription to Farmers Mail and Breeze. We want your views and experiences. They will help others. Address contributions to Horticultural Editor Farmers Mail and Breeze.

Of all fine words  
Of tongue or pen  
There's none can beat  
"It's spring again."

April 9 will be Arbor day in Kansas. The cheap seeds cost most in the end.

Radishes of eatable size can be grown in hotbeds in 25 days.

The best plan in cutting potatoes for seed is to leave two eyes to each piece.

Outside of the hotbed, all manure used in the garden should be fine and well rotted.

A half day's work in the orchard with the manure spreader will show up when apples are ripe next summer.

Early peas should be in the ground now. Try Alaska, Stratagem, or Little Gem if undecided as to variety.

It pays to take a little time in making rows in the garden. Long straight ones will make an easier job of cultivating.

Sprouted beets or turnips from the cellar may be set out in the garden to make a crop of seeds for next fall or spring.

To start a new rhubarb bed, plant pieces of roots that have one eye each. Stalks should not be cut until the second year.

A good crop for the orchard this spring would be cowpeas—wide strips sown between the rows of trees. This would make good early hay and is also good for the soil.

**To Keep Trees From Leaning.**  
[Prize Letter.]

Mr. Editor—Before setting out a tree you will notice that it has one root that is longer and seems to have made a stronger growth than all the rest. Place the tree so this predominating root extends to the south and is not cramped, and this root will form a kind of brace that will keep the tree from inclining northward as most of our orchard trees do. Also set the tree with the top leaning a little to the south. This will look odd at first but the tree will straighten in time. Preserve any prominent limb which extends out to the south as this will add weight to that side and keep the tree straight and it also shades the trunk on the north side of the tree will help to keep the tree from leaning that way.

E. O. Hobbs.

R. 2, Holton, Kan.

**Long Rows for the Garden.**  
[Prize Letter.]

Mr. Editor—It is best to have the garden long and narrow in shape since it is far more easily plowed and cultivated in this form. Lay off the garden in rows 3 feet apart and use a 1-horse cultivator with five small shovels for working it. In this way little hand hoeing will be necessary, and if a wheel hoe is used after the cultivator it will do away with still more hoeing. All these things save time and time is about the scarcest article on the farm when this work needs to be done. As the crops ripen and are renewed plant others in their places and keep right on cultivating until fall. Nature has a great aversion to bare ground and will start a crop of weeds if left unmolested, every one of which will be a trouble maker for next year if allowed to go to seed.

Court W. Ranslow.

Garrison, Mo.

**Fumigating Nursery Stock.**

Sometimes fungous diseases and other plant pests are brought to the farm in nursery stock. Fumigation is a practice well worth while. A goods box lined with building paper makes a convenient receptacle for fumigating the plants. Calculate the space inside the box in

cubic feet and allow 1 ounce of potassium cyanide for each 100 cubic feet. Place the stock loosely in the box and do not fill too full. On top of the plants put an old tin can, or earthenware crock, containing 1 1/2 ounces of sulphuric acid and 2 1/2 ounces water. Wrap the weighed cyanide in soft paper and when everything is in readiness drop it into the diluted acid, closing the lid immediately. Fumigate from 30 to 40 minutes, after which raise the lid and air out the contents.

The gas generated is extremely poisonous and under no circumstances should it be breathed. It is necessary to use pure cyanide. Cyanide and sulphuric acid can be purchased through any druggist. The strength of the cyanide is usually printed on the container. For grafts and scions it is well to use less cyanide, say 2-3 of an ounce to the 100 cubic feet. Fumigation should be done before buds open. Do not try to fumigate evergreens.

**Cutting Back Young Trees.**

Mr. Editor—Only three to five of the best limbs should be left on the tree that is being set out and these should be cut back to 8 or 12 inches, making the cut just beyond a sound bud, which points in the direction in which the limb should grow. All trees should be kept low headed. Be careful not to cut off the lower limbs, when it is not necessary, as they are usually the very ones to be left. The lowest limb should be from 18 to 24 inches from the ground. If the tree has been pruned so that the top is much higher than this, it is usually best to cut the entire top off about 3 feet from the ground and depend upon forming the top from limbs which come out below this point. Peach trees can stand more severe pruning than either cherry or apple. Peach trees generally should be cut off about 18 inches from the ground, and if there are any branches below this point, they should be cut back to the first or second bud. Cherries and plums need practically no pruning, except to cut the branches off a foot or so from the trunk.

S. Van Smith.  
Colorado Agricultural College, Fort Collins.

**Making Posts Age Proof.**

Mr. Editor—Timber intended for posts may be rendered almost proof against rot by thorough seasoning, charring and then immersing in hot coal tar. This treatment takes a little time but adds years to the life of the post and is therefore money in your pocket and time saved.

F. L. Gilbert.  
R. 3, Madison, Kan.

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We will also include, without extra cost, a book entitled "Fifty Ways for Boys to Earn Money." Walter Camp editor of The Boys' Magazine. Each issue of this magazine is filled with clean, fascinating stories and instructive articles, of intense interest to every live boy. Departments devoted to The Boy Scouts, Eccentricity, Mechanics, Athletics, Photography, Carpentry, Stamps and Coins. Colored covers and beautifully illustrated throughout. This folder's glove is made by one of the foremost American manufacturers, of finest tan leather, felt padded, leather lined, web thumb, deep pocket. Guaranteed. Satisfaction, or money refunded. Order today.

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The Boys' Magazine at all news-stands, 50c a copy.

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Double the Capacity of Geared Mills.

Two complete mills in one; has double the capacity and double the durability of other mills. Absolutely No Friction or Gearing. Will earn cost price in three days. We manufacture the most durable and fastest grinding line of mills sold, including our FAMOUS IOWA No. 3 for \$12.50. The largest ears of corn to these mills are like popcorn to other mills. Send for free catalog.

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This handsome, new style, reachless buggy. It's a marvel for strength and light running qualities. Order direct from factory, saving dealer's profit. Shipment made day received. Order now. Circular free.

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**SIX LEADING VARIETIES** of pure bred seed corn. All kinds of field and garden seeds; Barred Rock cockerels, Scotch collies. Your money's worth here or your money back. Send today for large illustrated catalog, free, to JOHN D. ZILLER, the Farmer Seed Corn Grower, Hiawatha, Kan.

**SEED CORN** Plant the best and highest yielding corn that grows. Send at once for Free Corn Book giving description, proof and prices.

E. D. Roberts, Corn Specialist, Red Oak, Ia.

**SEED CORN** Reid's Yellow Dent Boone County White

This is good stuff. We guarantee it to please you. Our supply is limited. Price, shelled and graded, per bu. \$2.00; in the ear, graded, per bu. \$2.50. F. M. Riebel & Son, Arbia, Missouri.

**Pure-Bred Yellow Seed Corn**

Early Monroe, Mammoth Drouth Proof, Sunflower, Hildreth, Hiawatha, Big Yields, grown by me successfully for past five years in central Kansas. Write for prices and other information.

ARTHUR WHITZEL, Sterling, Kan.

**A Start in Strawberries for \$1.50, Postpaid**

Send us \$1.50 and we will send you 100 of the best strawberry plants for the Central Mississippi Valley. They are drought resisting and will bear when all others fail. Also send for our free booklet, "Strawberries for the Home and How to Grow Them." Order early to avoid the rush. Dodge Blackly & Co., Cuba, Mo.

**Real Snaps IN NURSERY STOCK**

12 cherry, budded, 3 to 4 ft. \$1.50 Concord grape vines, \$1. Due bill and catalogue free. Benson-Omaha Nursery, Benson, Neb. Dept. 3.

**The Purest SEED CORN in the World**  
—Over 99% Germination!!

**Zimmerman's Giant White**

Here is a brand that will show you the way to more money from the corn crop! I call it "Zimmerman's Giant White" and I consider it one of the most perfect specimens of high-grade pure-bred Seed Corn ever offered.

Has extra large ears—extra heavy grain. Matures in 100 days. This corn has been carefully and accurately tested and showed 98 1/2% germination. It is a mighty safe investment and will please you in every way.

**SPECIAL PRICE**  
\$2.00 PER BUSHEL IN THE EAR.

**Boone County White**

My "Boone County White" seed corn is fast becoming recognized as the leader among all breeds of white corn—in fact there is no better at any price!

My "Boone County White" was recently tested by the Grange—from 3 to 4 grains having been taken from more than 300 ears. This most thorough and exacting test showed the high average of 99 1/2% germination! I'll back this corn against any other white corn in the world. I know it can't be beat!

**SPECIAL PRICE—\$2.00 per bu. tipped, butted and graded. 4 or more bushels at \$1.80 per bu.**

**Get My Illustrated Folder Describing Zimmerman's Tested Seed Corn**

My seed corn is grown under special contract by one of the best known and most successful growers in the West. Write quick for circular and prices. Quantity limited this year. Get your supply before the BEST is all taken! My TESTED seed corn brought first prize State Corn Show at Manhattan, Kan., last two years; first at State Fair, Topeka, Kan., two years; Capper Ear Prize at Topeka, Kan.

I sell the very best and most carefully tested seed corn at lowest prices. My stock includes "Reid's Yellow Dent," 98% germination; "Perfected Golden Beauty," 99% germination, and other standard breeds. Write today for illustrated catalog.

**ZIMMERMAN SEED CO., 625 Quincy Street, TOPEKA, KANSAS**

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### Spraying For Codling Moth

BY C. P. GILLETTE,  
Colorado Agricultural College.

[Written for Farmers Mail and Breeze.]

Make the first application of spray as soon as the blossoms are about nine-tenths off the trees and before the earliest blossoms close enough to prevent getting the spray into the calyx. Spray the first time for the special purpose of filling every blossom on the tree with the poison used. To get the spray into the blossoms it will be best to use both a tower over the pump and a spray rod not less than 8 to 12 feet long, so as to throw the liquid downward into the blossoms.

#### Throw Spray Into Blossoms.

Large orchard trees will require from 6 to 12 gallons of spray for a thorough treatment at the first application. For the first application the spray should be a medium coarse one, not in large drops, nor in a fog or mist. The idea is that the spray must be thrown with sufficient force to carry well into the blossoms. Test the work frequently by pulling down the limbs and determining whether or not the blossoms are all being filled with the poison liquid. If the first treatment is thorough a second application need not be made until about one month after the first, which will be just about the date when the first brood of worms is hatching and beginning to eat into the apples. All sprays after the first spraying should be very fine and so applied as to lightly cover the entire surface of the fruit and foliage with the liquid.

#### There Are Two Broods of Worms.

The second brood of eggs hatches about seven to eight weeks after the first. So about the middle of July to the first week in August, a very thorough application of a fine spray should again be made for the purpose of lightly covering the entire surface of fruit and foliage. The three applications mentioned should be sufficient for the control of this insect in ordinary years. Under very favorable conditions two, or even one application may be sufficient for good results. Arsenate of lead is probably the best poison to use, all things considered. Use not less than 2½ pounds nor more than 4 pounds to each 100 gallons of water.

Ft. Collins, Colo.

#### Still Time to Do Pruning.

Mr. Editor—Many growers of orchards are of the opinion that after buds have swollen in the spring and the trees have started to grow it is too late to prune. This is not correct. There are good theoretical reasons why it is better to prune while the trees are wholly dormant but in practice, the injury from pruning after the trees have begun to grow is little if any. Frequently owing to an oversight the pruning of some tree or shrub is neglected until the leaves have started out. Do not let it go on this account. Go ahead and prune just the same as though it were the regular pruning time and it is doubtful if you will ever notice the difference in the vigor of the future growth.

During the latter part of the growing season, a tree will lay up plant food for the making of leaves and twigs during the early part of the next season. This plant food is stored in the lower part of the trees or shrubs. About the end of June the trees have used up all the plant food laid up the previous season and have not begun to lay up any for the next season. Anything which deprives a tree of its leaves and branches at this season will be felt much more than the same amount of injury at another time. This injury lessens as you go either side of this date.

N. O. Booth.

Oklahoma Agricultural College, Stillwater.

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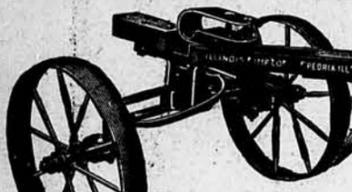
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## CROPS and FARM WORK

### Farm Work Again Delayed by Heavy Fall of Snow Which Makes March a Record Breaker for Snowfall—Heavy Stock Losses Reported From Western Kansas—Fruit Prospects Getting Brighter

(Crop Reporting Service of Farmers Mail and Breeze.)

As was feared, the weather early last week was too good to continue long and after only three days of it, colder weather, rain, sleet, and finally one of the heaviest snows of the winter, followed each other. Another good start was made this week and it is to be hoped the weather man will make a better go of it this time. March 1912 sets a new high record for amount of snowfall during that month, in fact the record at Topeka is almost twice that of March 1899 which held the high rank before. During the present month 26.2 inches fell at Topeka while but 14.1 inches was recorded for March 1899.

The most deplorable results of the recent storms have been the stock losses in the western counties. Deaths by cold, exposure, and starvation have been far more numerous since February 25 than for the entire winter before. "Snow is about gone, but the prairie may now be seen dotted with dead horses, sheep, and cattle," is the message from our Haskell county correspondent. The feed situation is more precarious than ever but relief is certainly in sight now.

Some farm work was done in Oklahoma last week. Oat seeding was resumed and potato planting and garden making were started. This week corn planting will begin, weather permitting. If present weather conditions continue, some field operations will begin in Kansas by the last of the week. More encouraging reports on fruit prospects are coming in each week and it is even claimed that there are enough

aged except probably on land sloping north. Prairie hay \$17.50, potatoes \$1.50, wheat \$1.01, corn 68 cents, eggs 16, butter fat 27. —H. H. Wright.

Lyon County—Big snow March 23 will put farmers back with spring work. Most farmers will have enough feed. Roads are very bad. Most farmers think wheat is in good condition. Few hogs in the country. Hay \$15, potatoes \$1.65 to \$1.75, eggs 17 cents, butter 25.—E. R. Griffith.

Bourbon County—Wheat is still O. K. No oats sown yet and spring work will be late. Hay is very scarce. Some sold as high as \$20 in Ft. Scott last week which is the highest price known here. Hogs \$6, cattle \$4 to \$6, potatoes \$2, corn 70 cents, oats 55, butter 23, eggs 18.—G. A. Van Dyke.

Shawnee County—Wheat looking fine and don't think it was hurt any. All farm work will be late this spring. Plenty of feed yet. This county has good seed corn. H—A winter on little pigs. Hogs \$7, potatoes \$1.80 to \$2, wheat \$1, hay \$12 to \$18, eggs 17 cents, butter 23.—J. P. Ross.

Cowley County—Ground covered with snow again March 23. Very few oats sown yet and not many have their plowing done. Most oats will be sown in April. Wheat and rye have been showing up some lately. Hard wheat is all right but soft wheat has probably been damaged. Ground is in extra good condition.—W. J. Pollock.

Harper County—Another snow storm March 23 and spring has not yet arrived. No oats sown. Wheat looks fine. Stock doing well although feed is getting scarce. Not many hogs left in the county. Fruit is all right yet. Hay \$8, alfalfa \$12, wheat 98 cents, corn 65, kafir 60, oats 55, butter 25, eggs 18, potatoes \$1.50.—H. E. Henderson.

Cloud County—Snow going slowly and spring work will be delayed on account of wet ground. Condition of wheat still in doubt. Roads almost impassable and some schools were closed a whole month on account of bad weather. Some stock lost in heavy snows. Feed getting scarce and cattle and hogs not doing well.—W. H. Plumly.

Haskell County—Snow is about gone and the prairie may now be seen dotted with dead horses, sheep and cattle. Many families lost nearly their all during the storms. Ground will be in ideal condition and big

This year's Poultry Number of Farmers Mail and Breeze was the best ever. The Supplementary Poultry Number appears next week.

peach buds alive to make a partial crop, barring further frost damage.

Spanish peanuts will be one of the new feed crops to be tried on a larger scale this year than ever before. A large acreage will be put out in some Oklahoma counties.

Reporter Helfrick of Scott county, Kansas, notes that Russian thistles are starting which will mean early green feed for stock.

### KANSAS.

Ellis County—Wheat is in fine shape and looks green. Snow is not yet all gone. Snow was drifted here from 2 to 25 feet deep. No getting to town yet.—S. Clements.

Wallace County—Roads are in bad condition and railroads have been tied up for 10 days. Considerable stock has been lost. Feed supply is low. Farmers are anxious for spring weather.—C. W. Shull.

Johnson County—Had one of the heaviest snows the end of last week ever known in this locality. No farm work done yet. Stock looks well except cattle which are going down the last three weeks. Everybody anxious for spring.—Lloyd Dorn.

Rawlins County—Have had about 2 1/2 feet of snow the last three weeks. Very little feed in the county and many cattle are starving. Roughness can scarcely be had at any price. Wheat still covered but is believed to be all right.—J. S. Skolout.

Smith County—Ground still covered with snow. Blizzard of March 14 was worst in 28 years. We get about one mail a week. Many chickens are being lost. Feed getting very scarce and straw is selling at \$2.50 per ton. Hay \$12 to \$15.—A. J. Hammond.

Barton County—Ground is in fine shape with plenty of moisture and wheat is greening up. Stock is in poor condition and feed is scarce. Some stock has starved to death. Farmers are getting ready for spring work. Hay \$10 to \$12, alfalfa \$18.—O. M. Lewis.

Osborne County—Snow, rain and cloudy weather have been the rule almost all month. Have had thawing weather the last few days. Have only had mail on the route twice since February 24. A good deal of stock has been lost. Roughness is very scarce.—W. F. Arnold.

Rooks County—Snow and storms of the last two weeks have caused much suffering among stock. Feed about all gone and none can be shipped in. Unless weather opens up soon much stock will be lost. Hay \$22, wheat 90 cents, corn 77, eggs 16, butter 25.—C. O. Thomas.

Jackson County—Snow has disappeared excepting the drifts. Roads are very muddy. No farming can be done this month. Good demand for horses and mules. Farmers are running short on feed. Wheat is apparently all right. Hogs \$6.75 to \$7, corn 64 cents.—F. O. Grubbs.

Clay County—Nothing much to report except snow and bad roads, but the snow is about gone. Wheat not believed to be dam-

aged except probably on land sloping north. Prairie hay \$17.50, potatoes \$1.50, wheat \$1.01, corn 68 cents, eggs 16, butter fat 27. —H. H. Wright.

Russell County—Had a few warm days last week but another snow came the last of the week. Wheat looked nice and green where the snow had melted away. Ground in good condition but no spring work done yet. Some stock was lost in the recent storms. Feed high and almost impossible to ship in. Hay \$20 to \$23, corn 78 cents, wheat 98, eggs 16, butter 25.—Mrs. Fred Claussen.

Scott County—Snow gone except some drifts. Some loss of stock in the storms of the last two weeks. Feed has to be shipped in and stock is getting thin. Russian thistle starting to grow which will make early feed. All farm work will come in a rush. Nothing done yet.—J. M. Helfrick.

Rice County—Had more snow March 22 and 23 which covered the ground. No field work done and it will be too wet for awhile. Acreage of oats will not be large on account of lateness of season. Some peach trees reported still alive. Other fruit O. K. Hay 20 cents, eggs 16, butter 25.—Henry S. Hanson.

Wheeler County—Snow about gone but roads are very muddy. Ground is wet and in good shape for spring work. Wheat showing up and late sowings look best. Feed scarce and high. Most farmers are feeding straw and grain. Baled alfalfa hay \$18, baled prairie \$20, shelled corn 80 cents.—P. G. Haney.

Dickinson County—Snow was about all melted when we got more last week. Stock in fair shape but feed is very scarce. Ground is in fine condition. Wheat is good on bottom land but frozen in places in upland. Hay \$18 to \$20, wheat \$1, corn 75 cents, oats 60, eggs 20, butter fat 26.—J. G. Engle.

Wilson County—Heaviest snow of the season March 23. Late winter is making feed go up and is delaying farm work. Stock cattle and good horses bring good prices. Wheat and tame grass not looking very well. Prairie hay \$15, seed potatoes \$1.50, cowpeas \$2.50, corn 65 cents, kafir 60.—S. Canty.

Clark County—No farm work of any kind done yet and still have some cane and kafir threshing to do. Wheat has been growing under the snow and will be in fine shape. In all about 4 feet of snow has fallen this winter. Feed getting very scarce. Loss on stock has been about 15 per cent.—H. C. Jacobs.

Geary County—Have had at least 36 inches of snow this winter which is by far the most of any winter during my 43 years in Kansas. Wheat is O. K. Rough feed nearly all gone and none to buy. Everybody anxious for grass. Fat hogs \$6.30, seed potatoes \$1.75, hay \$14, corn 70 cents, seed oats 65, wheat \$1.03, butter fat 28, eggs 17.—A. H. Olds.

Woodson County—More snow last week making about 16 inches of snow and 4 inches of rain during March. Very little plowing was done last fall and when spring opens it will put farming all on a pile. Very small oat acreage will be put out this spring.

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Feed getting very scarce and some people are selling off their stock.—E. F. Opperman.

Coffey County—Wheat, rye and alfalfa are greening up. Not much of an oat acreage will be put out this spring. Stock has stood the winter in first class shape. Cattle \$4 to \$4.25, hogs \$6.20, seed potatoes \$1.75 to \$2, wheat 95 cents, corn 65, butter 18 to 25, eggs 16.—Arthur Teeple.

Anderson County—Ground is covered with sleet and snow (March 24) which will set spring work back again. I think there is a 90 per cent prospect for wheat. Early fall sown alfalfa all right but late sowings were damaged by freezing. Rough feed very scarce and cattle getting thin. Hogs \$6.25.—G. W. Kiblinger.

Brown County—No farm work can be done for some time as the ground is too wet. This has been the hardest winter in years and feed is very scarce. Wheat believed to have been damaged but little. Hay \$18 to \$20, potatoes \$1.50, corn 64 cents, wheat \$4, oats 50, butter 25, cream 26, eggs 15.—A. C. Dannenberg.

Cheyenne County—Weather has been very hard on stock lately. Farmers anxious to get into the fields. Large acreage of spring wheat will be sown. Cheyenne county will have about the largest acreage in wheat in her history. Hay \$18, potatoes \$1.60, corn 70 cents, butter 18, cream 25, eggs 18.—Mrs J. S. DeLong.

OKLAHOMA.

Cherokee County—Very little plowing done yet and not many have sowed oats. The winter was severe and feed is scarce and high. Some improvements being made. Horses and mules high. Corn 75 cents, oats 60, eggs 15.—L. J. York.

Grant County—More snow March 22 and 23. Quite a lot of oats sown last week. Wheat looking well but some late sowings were damaged by frost. What alfalfa is alive is very slow starting. Grain and feed scarce and high.—A. C. Craighead.

Grady County—After several days of warm weather last week had some cold days with rain and sleet. Some oats up and sowing still going on. Wheat and alfalfa are beginning to show quite a growth. Corn 80 cents, butter 25, eggs 20.—Sam C. Hefner.

Major County—Weather appears to have settled and it looks like spring here. Late and poorly sown wheat was damaged somewhat. A good crop of Kafir will be put out. We need to put out less cotton and broom-sown and more Kafir, cowpeas, and peanuts. Potatoes being planted.—W. H. Rucker.

Pushmataha County—Plenty of rain and to spare. Fields are too wet to work and wood hauling to market is in order. Potatoes about all planted. Oats are coming up. Large acreage of Spanish peanuts will be planted here. Stock is thin on account of feed being scarce.—K. D. Olin.

April Not Too Late for Oats

BY A. M. TEN EYCK.

Supt. of Hays Branch Experiment Station of Kansas Agricultural College.

Writing from Trego county, a reader of Farmers Mail and Breeze, says: "Quite a number of our farmers want to sow oats this spring and would like your opinion as to time of sowing, especially as to how late they can sow and mature a crop on account of weather this year."

Oats should be sown as early in the spring as the soil can be put in favorable seedbed condition. The date of seeding, however, will depend on the season. With a late spring, like the present one, seeding must necessarily be at a rather late date, but not necessarily late according to the season. I should consider sowing during the first half of April this year, as early, in relation to the season as sowing in the last half of March, in the average season.

This looks like a good oats year since the soil is well filled with moisture, but I would not sow oats too late. Barley will stand a little later seeding than oats. However, spring grains are not the surest western crops and I am advising to plant more largely of cane, Kafir and Dwarf milo. I am mailing a circular letter on oats culture. A. M. TenEyck.

The prevailing opinion that the backwardness of the season will result in a smaller acreage of oats this spring than for many years, has induced the John Deere Plow company to write its customers in this territory urging the maintenance of the usual acreage of oats, on the ground that it would be a great mistake to let what is otherwise so promising a season for oats go by default, because it would bring oat-sowing so near

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Don't put it off till tomorrow; fill out coupon now. It costs you absolutely nothing to find out. We have faith in your judgment. We want you to compare the "Pioneer 30" with other tractors and satisfy yourself that the "Pioneer 30" will do your plowing, seeding, harvesting, threshing and hauling, with less cost for fuel and in better shape than any other tractor on the market. We don't ask you to accept our bare statement, we want you to convince yourself. We can back up every claim with letters from "Pioneer" users, letters from farmers who are using the

PIONEER "THIRTY"

because it does better work at less cost than any other tractor. We are giving you below a few reasons why the "Pioneer 30" is superior to all competitors.

Because it has three speeds forward and reverse, permitting the operator to shift the power to his load instead of having to curtail his load to the heaviest pull or steepest grade.

Because the gear is all cut steel entirely enclosed in dust proof cases, and continually operate in a bath of oil.

Because the rear axle is a live one, insuring a perfect alignment between master gear and pinion at all times, regardless of wear.

Because the front axle is of the divided automobile type instead of being straight and turning on a pivot, thus insuring ease in handling and conserving strength in structure.

Because it has such an evenly balanced motor that vibration is eliminated, a steady belt pull is assured, and the possibility of shaft crystallization is entirely banished.

Because it has a sure enough radiator made of non-corrosive brass and copper, instead of the ungainly, galvanized-iron water-tank, so common in other tractors.

Because it has a comfortable enclosed cab protecting the operator from the elements, making his lot an easy one.

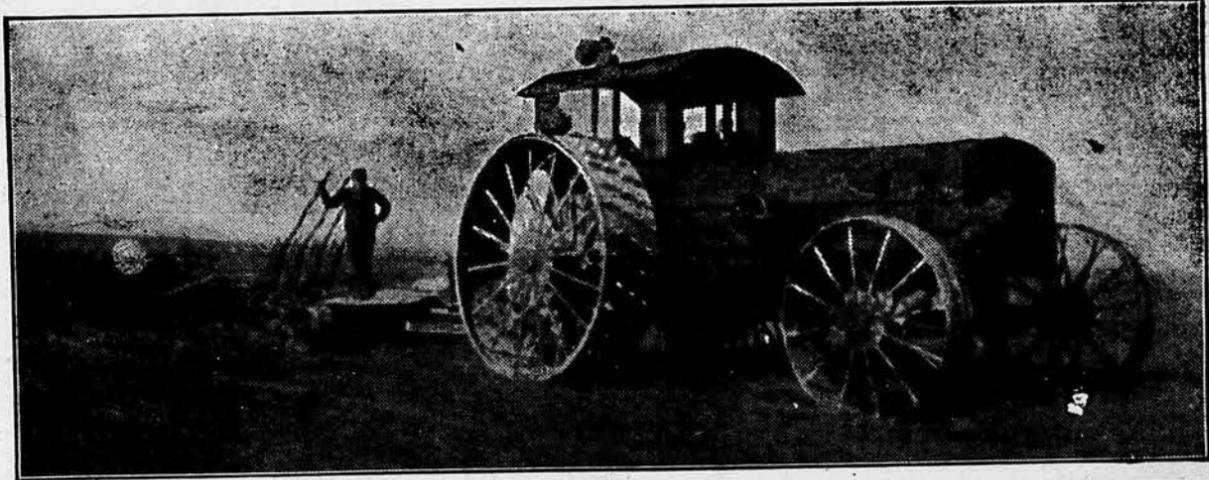
There are many other features of value that are exclusive with "Pioneer 30," and it is only necessary to see them in order to be convinced of its superiority.

Fill out and mail coupon for more reasons.

Pioneer Tractor Mfg. Co.

Shops and General Offices

12 Power Ave., Winona, Minn.



DO IT THIS WAY.

Sunflower Wheat and Hay Stacker.

Three Men With a Header and this Stacker Make a Full Crew. A Barge—A Wagon and a Stacker All in One.

Practical in operation; simple in principle and construction. It is a proven success. It carries a regular barge load; is guided by a rudder under control of driver; elevates its load with same team that pulls it; turns square corners, elevates its load on way to stack and dumps at any height up to 22 feet. No backing necessary to lower box. Stack approached from either side or end. Does away with pitching and makes better stacks. Has fork attachment for gathering hay from windrow. Will pay for itself in three weeks time. Write for our circular. SUNFLOWER MFG. COMPANY, MANHATTAN, KAN.



START A BUSINESS OF YOUR OWN



If you want to make money, summer or winter, rain or shine, get our proposition. Pleasant work, increasing profits. No experience needed. We want a representative in every locality. Don't work for others, be your own boss. Let us start you in business for yourself. There is money to be made for you. Write us today

Koch V. T. Co., Box B, Winona, Minn.

# SPLENDID CROPS

In Saskatchewan (Western Canada)  
800 Bushels from 20 Acres



of wheat was the thrasher's return from a Lloydminster farm during one season. Many fields in that as well as other districts yielded from 25 to 35 bushels of wheat to the acre. Other grains in proportion.

## Large Profits

are thus derived from the FREE HOMESTEAD

LANDS of Western Canada. This excellent showing causes prices to advance. Land values should double in two years' time. Grain growing, mixed farming, cattle raising and dairying are all profitable. Free Homesteads of 160 acres are to be had in the very best districts; 160-acre pre-emption at \$3.00 per acre within certain areas. Schools and churches in every settlement, climate unexcelled, soil the richest; wood, water and building material plentiful. For settlers' low railway rates and illustrated pamphlet, "Last Best West," and other information, write to Supt. Immigration, Ottawa, Can., or Can. Gov. Agt., Canadian Government Agent, 125 W. 9th St. Kansas City, Mo.

## Have You Any Matter of Business in New York That Cannot be Handled Satisfactorily by Correspondence?

Would not the personal presentation of your case, by an intelligent, tactful, forceful man, thoroughly familiar with New York conditions—a man acting for you under your direction—perhaps save you a trip here and serve your purpose better? Another question. Are you in search of any out of the ordinary hard to find article (fit matters not of what kind). Anything that can be bought on earth can be bought here by the man whose business is to know where and how to find it. The Personal Service Association will meet your requirements as exactly as it has those of others living in New York and elsewhere. The service is experienced, expert and dependable—the charges moderate. Correspondence solicited. A new booklet telling the plan more in detail will soon be issued and will be mailed on request. H. V. HORTON, 489 Fifth Avenue, New York City.

## YOU CAN BE FARMING ST. STEPHEN IRRIGATED LAND NOW—

no blizzards, floods or droughts to keep you idle nearly half the year and make you lose money. There's no better land in the world than this deep, rich loam—the famed valley of the Nile cannot equal it—and with an unlimited supply of pure, sweet water for irrigation purposes, a mild healthful climate and excellent transportation facilities it's the garden spot of America. This land is selling rapidly at \$100 an acre—one-fourth down and the balance in three years. Come down and see it—there's a round trip rate of \$32.50 from Kansas City the first and third Tuesdays of each month and we pay your expenses while you're looking. Send today for free illustrated book telling all about it. GREEF AND KELLEY, General Sales Agents for The St. Stephen Land & Irrigation Co., Dwight Bldg., Kansas City, Mo.

## Strickler's Topeka Business College

Good positions every lay in Bookkeeping, Shorthand, Civil Service, Penmanship. Catalogue and other information free. 111, 113, 115, 117 East Eighth St., Topeka, Kan.

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to operate and repair automobiles in our fully equipped shop, giving training in vulcanizing, drill press and lathe practice, qualifying you in six weeks. Address LINCOLN AUTO SCHOOL, 2350 O St., Lincoln, Neb.

## LAWRENCE Business College

Lawrence, Kansas. Secures Positions. Write for catalog "D."

## SPALDING'S COMMERCIAL COLLEGE

KANSAS CITY, MO. 5th Year. \$200,000 New College Building. Shorthand, Typewriting, Bookkeeping, Telegraphy and English Branches. Write for Free Catalogue

### THIS BEAUTIFUL RING FREE!

Set with four Sapphires surrounded with six bright sparkling 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 printed in 10 to 17 different colors. Send no money in advance. 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.

## Poultry Keeping

CONDUCTED FOR FARMERS MAIL AND BREEZE BY REESE V. HICKS, PRES. AMERICAN POULTRY ASSOCIATION.

We want you to talk chicken with us. Good short letters on poultry matters especially welcome. A year's subscription to Farmers Mail and Breeze is awarded each week for the most helpful bit of poultry experience, and for second and third best contributions subscriptions to other useful publications.

Chickens and an orchard are in good company.

Sifted ashes make good dusting material for the hens.

Plowing up runs and yards is a reasonable job now.

The less exercise market birds get the quicker they will fatten.

The way to get the jump on mites and lice is to start after them right now.

Dump the litter from the nests oftener now and burn it just as soon as dumped.

Poultry wire tacked over a shallow box makes a good feeder for bran or a dry mash.

Chills, wet food and lack of sunshine are the main causes of bowel trouble in chicks.

Where the dropping boards are made of matched lumber the job of cleaning them is easier.

This is a good time to put a square of tar paper in the bottom of each nest box for the benefit of lice.

If a new poultry house is to be built this spring see if there isn't a sandy spot handy on which to locate it.

### Work of a Mail and Breeze Ad.

Mr. Editor—Please discontinue my poultry ad. as I am sold out and it has run only two weeks. Please send in your bill and oblige.

Mrs. M. E. Johnson, Humboldt, Kan., February 22, 1912.

### Avoiding Bloody Goose Feathers.

[Prize Letter.] Mr. Editor—A good way to kill geese or ducks without getting their feathers bloody is to first wrap some binding twine about their wings and body two or three times and tie tightly. Chop off the head and lay the fowl on a bench or box open on the side so as to have the neck hanging over the side. The blood will then spurt back under the bench or into the box and there will be no blood on the feathers. The twine keeps the wings from flapping. Rossville, Kan. E. R. Griswold.

### A Dose for Egg-Eating Hens.

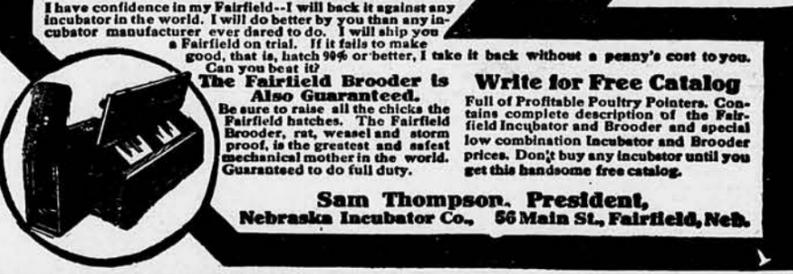
[Prize Suggestion.] Mr. Editor—Blow out the contents of an egg after making a small hole in each end, beat it up with some strong mustard and refill the egg shell. Then paste a bit of cloth over each hole and place the egg where the offenders can get at it. They will go for it at once but will also go away just as quickly and it breaks them of the habit very effectively. I cannot see why it would not also break dogs of the egg-eating habit. Miss Lillie Bybee. Carona, Kan.

### White Diarrhoea.

Dear Sir: I see reports of so many losing their little chicks with bowel troubles, so thought I would tell my experience. I used to lose a great many of my little chicks from this cause, tried a good many remedies and was about discouraged with the chicken business. Two years ago they began to die and I thought I would try Walker's Walko Remedy. I used two 50c packages, raised 300 White Wyandotte chickens and never lost one or had one sick after getting the medicine. Readers can get it by sending 50c (M. O.) to the Walker Remedy Co., L 8, Lamon, Iowa. I wouldn't try to raise incubator chicks without it.—Mrs. C. M. Bradshaw, Beaconsfield, Iowa.

## Sam Thompson Makes The Only Guaranteed Incubator In The World

It's called the Fairfield. The World's Best Hatcher and my guarantee says plainly in black and white that it will hatch 90% or more of all hatchable eggs—not once but every time and in all climates. If it fails to do this for you I take it back and you get your money. Try the Fairfield 2 Hatches at my Risk. Satisfy Yourself that it's the World's Best Hatcher. I have confidence in my Fairfield—I will back it against any incubator in the world. I will do better by you than any incubator manufacturer ever dared to do. I will ship you a Fairfield on trial. If it fails to make good, that is, hatch 90% or better, I take it back without a penny's cost to you. Can you beat it? The Fairfield Brooder is Also Guaranteed. Be sure to raise all the chicks the Fairfield hatches. The Fairfield Brooder, rat, weasel and storm proof, is the greatest and safest mechanical mother in the world. Guaranteed to do full duty.



## Johnson says to tell you that 325,000 satisfied customers prove the superiority of "OLD TRUSTY"

Let Me Send You This Big Book Free. 325,000 Satisfied Customers be your guide in choosing an Incubator. Why experiment with an unknown machine when 325,000 satisfied customers swear by the Old Trusty? Why take chances—why pay two prices? Johnson sends your money back if the Old Trusty doesn't make good every time with less trouble—less work—less watching—and 75 per cent better hatches. Anyway send your name on a postal today for Johnson's Big FREE Book on his—

## Good "Old Trusty"

Let the simple, plain poultry sermons in Johnson's book make more money for you whether you buy a good, simple and sure "Old Trusty" Incubator and Brooder of him or not. But why pay two prices. You'll find the real facts about Incubator values and prices in this book. Get it first and then decide. Write a postal with your name and address on to M. M. JOHNSON, Incubator Man, Clay Center, Nebraska. The Place Where Most Incubators Come From. The Largest Incubator Factory in the World. On 30 to 90 Days' Trial Under \$10 Now Johnson Pays Freight E. of Rockies. 10 to 20 Year Guarantee

## The Fostoria Incubator KANSAS MADE

Here is an incubator equal to the best on the market, an incubator that has been thoroughly tried and has proved its superiority, made of the best redwood lumber, and worth the price. It has a double acting regulator that acts quickly and surely and always. Equipped with Taylor Brothers' "Tyco's" thermometer, the best made. Requires less oil than any other incubator. It hatches the hatchable eggs. Find out about the incubator that is made in the good state of Kansas. Two sizes, 150 and 200 egg. 30 or 60 days' trial. Your money back if not satisfied. Send for free catalog that tells all about it. Fostoria Mfg. Company, B Street, Fostoria, Kansas.

## I'll Send You This "Can't-Sag" Gate

Without a Penny of Pay in Advance. Get My Prices. Send no money—just send for my Free Catalog and pick out the gates you want. Use them 30 days. If you don't find Can't-Sag Gates the best you ever saw at any price, I'll take them back and pay the freight both ways. Costs Less Than Wood—Lasts Three Times as Long. Cost only one-third as much as iron, gas pipe, or wire gates, and even less than home made all wood gates. They can't sag, drag, warp or twist. Made with either 4 or 6 inch boards double bolted between 3 angle steel uprights—not screwed or nailed. No nails to gather rust or pull out—no wood joints to collect water and rot. Can be furnished with elevating attachment. Guaranteed 5 Years. Freight Prepaid. I furnish Complete Gates ready to hang, or the Gate Steels, hinges, bolts, etc.—everything but the boards. You can put up your own Can't-Sag Gates if you wish and save money. Postal brings catalog. Send for it today. Alvin V. Rowe, Gen'l Mgr. Rowe Manufacturing Company, 802 West 4th Street, Galesburg, Ill.

## HENS MUST LAY WHEN FED PRATTS POULTRY REGULATOR GUARANTEED

WANTED 500 Young Men and Women to take our course in Banking, Shorthand, Bookkeeping and Typewriting. Special contract to those who wish to pay after a position is secured. Positions guaranteed. Write for catalogue. Address CENTRAL KANSAS BUSINESS COLLEGE, Abilene, Kans.

Fish Bite like hungry wolves our Wonderful Fish-Luring Bait. Best Fish Bait known. Keeps you busy pulling them out. Write to-day and get a box to help introduce it. Agents wanted. Walton Supply Co., Desk 1028 St. Louis, Mo.



# Stop!

### Just a Minute, Please

This little ad tells you how to get the big incubator bargain.

Write me a postal for "Matching Facts" and ample proof of superiority of my famous

## World's Champion BELLE CITY 140-Egg Incubator

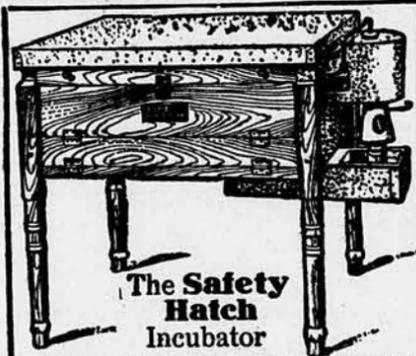
Has double walls and door and dead air space all over, copper tank, hot water heat, self-regulator, "Tyco" thermometer, egg tester, safety 1, 2, lamp, nursery, high legs. I am going to sell all my weather machines out on 1, 2, or 3 Home months' Home Test this year. Test don't you want to be one of the lucky testers? If so, write today. I will surprise you with the proofs of this machine. Why pay more for a machine that can't compete with mine in the championship class? My machine makes you money from the start at small outlay. When shipped together, I sell my incubator (price \$7.55) and 24-chick double-walled hot water top heated Brooder (price \$4.85) for \$11.50 and pay freight. Send for "Matching Facts" today, or in a hurry you may send price direct from this ad—same home test—same guarantee. Money back if not satisfactory. Thousands buy this way. Address, JIM ROHAN, Pres. Belle City Incubator Company Box 21 Racine, Wis.

# \$7.55

East of Rockies



44.85 240-Chick Brooder



### The Safety Hatch Incubator

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.

ONE MINUTE WASHER CO., EL RENO, OKLAHOMA.

## Mandy Lee

### The Incubator of Certainty

Operated by rule. The novice gets the same excellent results as the experienced operator. The only incubator with the open-front poultry house plan of ventilation. Only one applying the vital principle of low moisture with high temperature and high moisture when heat runs low. All regulated automatically. Send for latest book, describing the new features—plain, practical, helpful. Write us for mating list and prices on S. C. White Leghorn stock and eggs from the Mandy Lee farm. GEO. H. LEE CO., 1165 Harney St., Omaha, Neb.

## Chick Diarrhoea

Cured and prevented with STOGSDILL'S GERMICIDE TABLETS. Guaranteed to give satisfaction or money refunded. Price \$1.00 PER PACKAGE. Send us the names of 10 poultry raisers and get first order for 75 CENTS. G. N. STOGSDILL, BLACKWELL, OKLA.

### Save Your Chicks

We can help you. Send names and addresses of 10 Poultry friends and receive our 32-page book on "WHITE DIARRHOEA, the Greatest Foe to Chick Life." This book makes Poultry Profits possible. Gives care and feeding of chicks; also gives cause and guarantee cure for bowel trouble. Above book and sample of F. K. Tablets FREE, postpaid, for the names. Write today. The value will surprise you. F. K. REMEDY CO., 733 Second St., Arkansas City, Kan.

### Bee Supplies

We know the needs of Bee Keepers. We make a complete line of Supplies. Special early order discounts. Send for catalog now. Leahy Mfg. Co. 71 Talmage St., Higleyville, Mo.

GOOD MONEY in Hay handled right. Kouns' Steel Rakes and Stackers handle right. Let me show you. W. KOUNS, SALINA, KANSAS.

### When Hens Don't Lay.

I've fed 'em lime, I've fed 'em hay; I have a time To make 'em lay. They do not seem To kindly take To custard, cream, Or angel cake.

They fill their crops, They eat away; But there it stops, They never lay. When I get vexed I'm pretty mean; I'll feed 'em next On Paris green.

### Let Turkeys Raise Themselves.

[Prize Letter.]

Mr. Editor—I have found that a chicken will not do to raise poults as she will not hover them enough. You will notice that the poults will stay under the turkey hen a large part of the time during the first week unless the weather is hot. I leave the hen and poults on the nest for two days after hatching. Then if she does not come off I lift her off by taking hold of the wings close to the body and lifting her quickly. In this way the poults will not be crushed. I then tie the hen in the yard with a strong cord and feed the brood a little fine chopped corn for about three days. After that they are turned loose in the 60-acre hay meadow where they live on grasshoppers and bugs, their natural food. I used to cook their feed, giving them cheese curd, boiled eggs, etc, but I did not raise any turkeys that way. A hen and her brood may be turned into the garden and they will do no harm as turkeys do not scratch as chickens do. I should like to see more about turkey raising on this page. Mrs. Mabel Hackler. Benkelman, Neb.

### For Bowel Trouble or Cholera

[Prize Letter.]

Mr. Editor—You can easily tell a weak hatch by the chicks being very thirsty and easily chilled. In such a case mix equal parts of cayenne pepper, pulverized alum, coppers, and sulphur. Take a rounded teaspoonful of it and pour boiling water on it to dissolve it. Add warm water to make a gallon and let the chicks have this warm, all they want of it and let this be their drinking water for a month. Don't give any other water. This is the recommended cure given by the experiment station for chicken cholera and it works fine for that. I thought if it would cure cholera in large birds it ought to be good for bowel trouble in chicks and so it is. It is just what we have been looking for. For cholera use 1 heaping tablespoonful to 1 gallon of mash for 50 birds, feeding this amount twice daily. Clean and disinfect coops and yards thoroughly and burn all dead fowls. Mrs. Phoebe Holmes. Monument, Kan.

### First Days With the Chicks.

[Prize Letter.]

Mr. Editor—For the first 24 to 36 hours after coming from the incubator I keep the chicks in a box with the floor covered with sand. They are kept near the fire or several hot bricks are wrapped in paper and put in the box. An old blanket is put over the box low enough so it will just touch the chick's backs. Their first feed is dry bread crumbed fine, fine sifted chop and millet, all of which they are made to scratch for. After 3 or 4 days and until 10 days old, potatoes, boiled eggs and fine chop well mixed, are good. After that I feed them wheat, Kafir, etc. I give them water about three times a day and remove the dish after they have had enough. If bowel trouble appears I beat up an egg in 2 teacups of water and give them this instead of water for two days. I have been very lucky in raising chicks by these methods. Mrs. B. Smiley. Hutchinson, Kan.

A high grade, guaranteed durable live rich red barn paint is sold by the Sunflower Paint & Varnish Co. of Ft. Scott, Kansas, direct to the consumer at only 85c per gallon in 5 gal. cans, freight prepaid. This is a paint proposition worth considering by every farmer. This is a reliable company and now is paint season. Try this paint.

The objection to sloppy feed is that it gives disease a chance to spread when once started. It is especially risky to feed it to chicks.

### Try This for Limberneck.

[Prize Letter.]

Mr. Editor—Last spring my chickens got limberneck and before I found an effective method of treating them I had lost 100. I had heard that permanganate of potash was good for throat troubles in chickens, so I put some in their drinking water but they refused to drink it. I then dissolved some in water and used this to dampen a painful of bran. Some of the sick birds were unable to eat so I poured some of the potash and water solution down their throats. These methods soon had them all well and I lost no more chickens. Mrs. O. S. Claus. R. 1, Shaw, Kan.

The New Hampshire Experiment station has found that turnips in the winter ration materially reduce the cost of mutton production as compared with rations commonly used.

### FREE TO POULTRY RAISERS.

### Great Book of Money-Making Poultry Secrets—Given to Mail and Breeze Readers.

The well-known, poultry authority, Mr. Reese V. Hicks, has written an intensely interesting and practical book that should be in the hands of every person interested in raising poultry for profit. This book is "Tricks of the Poultry Trade"—the one different, desirable poultry book of the year. Among the many valuable secrets found only in this book are the following: Three methods of selecting the laying hen; A sure and certain method of selecting eggs for hatching; How to raise 500 chickens on a lot 30 by 40 feet; How to build a natural hen incubator; How to build feed hoppers and fireless brooders; How to make feed at 10 cents a bushel; How to make winter egg ration, poultry feeds and tonics, egg preserver, louse killers; How to grow pullets that lay young and make a large egg yield; How to handle incubators to best advantage; The trick of securing more pullets than cockerels; How to tell age of eggs and fowls; How to prevent lopped combs. All these and many more subjects—too numerous to mention here—are fully covered in this great book. It is big value for two dollars of anybody's money—but we're giving them away FREE on this plan. We will give you one year's subscription to Farmers Mail and Breeze, one year's subscription to Poultry Culture, the best poultry journal in the West, and one copy of this great book of poultry secrets—all for only \$1.25. State whether you are an old or new subscriber. Address at once, Arthur Capper, Publisher, Topeka, Kan.

### Reliable Poultry Breeders

#### GUINEAS.

PEARL GUINEAS cheap. Lloyd Kelley, Dunlap, Kan.

#### PIT GAMES.

GUARANTEED Pit Games. A few cockerels \$3.00 each. D. P. Metcalf, Elk City, Kan.

#### BLACK SPANISH.

WHITE FACE BLACK SPANISH eggs for hatching, 15 \$1.00, 50 \$3.00, 100 \$5.00. A. W. Swan, Centralia, Kan.

#### PIGEONS.

PIGEONS for squab raising. Homers, Carneau, Italians. Also White Wyandotte eggs \$1.00 per setting. J. J. Pauls, Hillsboro, Kan.

#### BANTAMS.

BLACK SPANISH, also Black Tailed Japanese Bantams. Best blood in America. Eggs and baby chicks. (Free circulars). Chestnut & Sons, Centralia, Kan.

#### GEESE.

GREAT Chinese geese eggs. Grey with topknot, great layers, beautiful fowls. \$3.00 per setting. J. F. Kircher, Harrisonville, Mo.

#### COCHINS.

BUFF COCHINS—I have the best in the West, if not in the whole country. Eggs \$5.00 per sitting, from four grand pens. I have no scrubs. J. C. Baughman, Topeka, Kan.

#### ANCONAS.

MOTTLED ANCONAS—Fine layers; eggs, \$1.50 per 15. Carl Sandfort, Humboldt, Kan.

PRIZE WINNING Mottled Anconas. Eggs and baby chicks. Circular free. W. Hardman, Frankfort, Kan.

MOTTLED ANCONA eggs for sale, \$1.00 for 15, \$3.00 for 50, and \$5 for 100. W. W. Wright, Bronson, Kan.

#### LEGHORNS.

LEGHORNS—See our general ad. Lewis Farms.

S. C. W. LEGHORNS eggs, \$3.00 100. Geo. R. Thomas, Helvey, Neb.

FINE S. C. W. LEGHORN eggs, \$4 100. Geo. Patterson, Melvern, Kan.

SINGLE COMB WHITE LEGHORN eggs. Royal Yeoman, Lawrence, Kan.

### Reliable Poultry Breeders

#### LEGHORNS.

S. C. BROWN LEGHORN EGGS, 15 \$1.00, 100 \$4. Mrs. John Story, Cleo, Okla.

PURE Brown Rose Comb Leghorns. Eggs 3 1/2 cents each. Laura A. Hazen, Hollis, Kan.

BROWN LEGHORNS, both combs. Won again. Eggs. Mrs. Ida Standifer, Reading, Kan.

RANGE RAISED laying Leghorns. Baby chicks, eggs, catalog. Alex Spong, Chanute, Kan.

SINGLE COMB BUFF LEGHORN eggs \$3.00 per 100. Hillside Poultry Farm, Otego, Kan.

PURE S. C. BROWN LEGHORNS—Eggs, 30 \$1.00, 100 \$3.00. S. Oveson, Osage City, Kan.

CHOICE BUFF LEGHORN eggs, 75c per 15, \$4.50 per 100. C. E. Wright, Goodrich, Kan.

PURE BUFF LEGHORNS, S. C.—Eggs, 30 \$1.75, 100 \$4. J. A. Reed, Route 2, Lyons, Kan.

SINGLE COMB BROWN LEGHORN eggs \$5 per 100. Mrs. Wm. Barrett, Lebanon, Kan., Route 6.

SINGLE COMB BUFF LEGHORNS—Baby chicks, pen eggs and range eggs. Mrs. John Wood, Solomon, Kan.

SINGLE COMB BROWN LEGHORNS—Pullet line only. Eggs \$1 15, \$5 100. Tiff Moore, Osage City, Kan.

S. C. WHITE LEGHORN eggs for hatching. All correspondence promptly answered. L. M. Shives, Iuka, Kan.

BUFF LEGHORNS, silver cup winners, eggs for sale, \$1.50 per 15, \$6.00 100. Mike Klein, Clay Center, Kan.

S. C. BUFF LEGHORNS—Prize winners. Eggs for sale; \$1.00 per 15, \$5.00 100. George J. Dorr, Osage City, Kan.

ROSE COMB BROWN LEGHORN eggs exclusively, 5c each, \$4.00 per hundred. Tillie Wilkins, Miltonvale, Kan.

I GUARANTEE safe arrival of eggs from pure Single Comb White Leghorns, 15 \$1.00, 100 \$4.00. C. O. Kelley, Mena, Ark.

SINGLE COMB WHITE LEGHORN cockerels, baby chicks and eggs. Light Brahma eggs. F. L. Mathews, Sterling, Kan.

THOROUGHbred S. C. W. Leghorn eggs, the kind that lays and pays, \$1.00 per 15. J. A. Blunn, Sta. A, Wichita, Kan.

DORR'S prize winning pure Single Comb Brown Leghorns. Eggs \$3.50 per 100; \$3 \$1.25. Chas. Dorr & Sons, Osage City, Kan.

WYCKOFF WHITE LEGHORN eggs \$4.00 per 100. Baby chicks \$12.50 per 100. Western Home Poultry Yards, St. John, Kan.

SINGLE COMB BROWN LEGHORNS—Bred from best laying strains. Eggs at farmer's prices. J. F. Crandall, Barnes, Kan.

ROSE COMB WHITE LEGHORNS and Barred Plymouth Rocks. Eggs for sale. Mrs. Aug. Hoyer, R. No. 2, Canton, Kan.

ROSE COMB WHITE LEGHORNS. Topeka winners. \$1 per 15, \$5 per 100. Circulars free. Jennie Martin, Frankfort, Kan.

PURE S. C. WHITE LEGHORNS (Wyckoff strain), farm raised, 75c 15, \$3.50 per hundred. Mrs. W. S. Bradley, R. F. D. No. 6, Enid, Okla.

SINGLE COMB WHITE LEGHORNS—High scoring. Cockerels. Egg bargains. "Old Trusty" incubator agent. Mrs. Albert Ray, Delavan, Kan.

ROSE COMB BUFF LEGHORNS, Buff Orpingtons. Grand matings. \$1.50 per 15. Satisfaction guaranteed. Goldenrod Poultry Farm, Mesa, Colo.

FOR SALE—Prize winning Single Comb White Leghorns. Stock \$3 to \$25 each. Eggs 6 cents. Babies 12 cents. Clara Colwell, Smith Center, Kan.

CORRECTLY COLORED S. C. Buff Leghorns and Mammoth Pekin ducks. Layers. Eggs, \$1 per 15, \$4 per 100. A. Hollister, Winfield, Kan., Route 1.

WINTER LAYING LEGHORNS—Two hundred. Paid \$5.62 per hen in six months. Baby chicks—eggs—catalog. O. C. Frantz, 47 South Rocky Ford, Colorado.

PURE WYCKOFF STRAIN Single Comb White Leghorns. Stock, eggs and baby chick for sale at honest prices. Big 4 Poultry Farm, Route 2, Inman, Kan.

S. C. BUFF LEGHORNS—I have 100 selected hens mated with \$5.00 cocks. Farm raised. Eggs \$1.00 per 15, \$3.00 per 50, \$5.00 per 100. O. L. Hamby, Fair Play, Mo.

SUPERIOR Single Comb White Leghorns. Eggs; chicks. Great layers, prize winners, farm raised, best strains. Prices low. Satisfaction guaranteed. Write Armstrong Bros., Arthur, Mo.

LINE BRED Single Comb White Leghorns. 5 first prizes at great Wichita State Poultry Show this winter. Finest in the West. Write for mating list. R. W. Bradshaw, Ellsworth, Kan.

PURE BRED Single Comb White Leghorns, range raised; bred to lay. We offer such as we will not need for our own use at \$1.00 per setting of 15, \$2.75 per 50. Valleyview Poultry Farm, Paoli, Colo.

S. C. W. LEGHORNS—When all said and done, the greatest, easiest, and cheapest money makers; take care of themselves and pay big for chances given. Farm raised, every bird right; large, snow white birds and eggs a specialty. 22 yrs. a Leghorn breeder. No disease. Eggs, \$1.50 per 15; \$6.00 per 100. Larger orders discounted. Everything guaranteed. Geo. S. Phillips, Tecumseh, Neb.

**Reliable Poultry Breeders**

**PLYMOUTH ROCKS.**  
**ROCKS**—See our general ad. Lewis Farms.  
**WHITE ROCKS**—Eggs, 15 \$1.50, 50 \$3.50. W. H. Beaver, St. John, Kan.  
**WHITE ROCK** cockerels for sale. R. M. Rehm, R. 1. Hutchinson, Kan.  
**BUFF ROCK** eggs. Pens and range. Elmore & Clark, Hazelton, Kan.  
**BARRED ROCK** eggs, per 15 \$1.00, 100 \$5.00. Mrs. Lon Burton, Lebo, Kan.  
**DUFF'S BARRED ROCKS**—Thirty eggs five dollars. A. H. Duff, Larned, Kan.  
**WHITE ROCK** eggs, \$1.00 for 15. W. B. Atkinson, R. No. 7, Independence, Kan.  
**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.  
**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.  
**EGGS** from prize winners \$2.00 for 15, \$5.00 for 50. W. W. Hamilton, Nickerson, Kan.  
**WHITE ROCK** eggs. 60 per cent hatch guaranteed. A few cockerels. W. J. Lewis, Lebo, Kan.  
**MAMMOTH** Snow White Rocks. Eggs from choice matings. Charley Vories, Washena, Kan.  
**PURE BRED WHITE ROCKS**—Beauties. Eggs for hatching. Mrs. Elmer Lane, Burlington, Kan.  
**LARGE WHITE ROCKS**—Eggs, \$1.25 per fifteen; two dollars per thirty. W. H. Peck, Garnett, Kan.  
**WINTER LAYERS**—Thoroughbred, Buff Rocks exclusively; selected settings; 75c up. C. Beall, Alma, Mo.  
**BARRED PLYMOUTH ROCKS** exclusively. Pen and range eggs. Mrs. C. N. Bailey, R. 2, Lyndon, 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.  
**FINE UTILITY** Barred Rock eggs four dollars per hundred, one dollar per fifteen. C. C. Carey, Peabody, Kan.  
**BUFF PLYMOUTH ROCK** cockerels for sale. Prices \$2.50 each. Mrs. May F. Forbes, R. No. 1, Mound City, Kan.  
**BARRED ROCKS**—Cockerels and eggs from high scoring birds. Write for prices. Mrs. H. F. Schmidt, Humboldt, 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 60. Mrs. M. A. Downen, Fontana, Kan.  
**PURE BUFF ROCK** eggs (farm range) for hatching, \$4.50 per 100. Mrs. Perry S. Myers, Fredonia, Kan., Route 3.  
**THOROUGHBRED** White Rock hens \$1.00 each. Eggs, 100 \$5.00. Special mating, 15 \$1.50. E. Bidleman, Kinsley, Kan.  
**WHITE ROCKS** exclusively. Bred for eleven years. Eggs \$1.00 per 15, \$5.00 per 100. S. M. Chestnut, Holton, Kan.  
**FOR SALE**—Pure White Plymouth Rock eggs, 15 for \$1.10 \$5. Cockerels and baby chicks. Ida Baugh, Kincaid, Kan.  
**BARRED ROCKS**—Grand mating. Eggs \$3.00 setting. Special mating \$1.50 or \$7.00 per 100. E. Laney, Wellington, Kan.  
**PURE BRED** Barred Rocks. Eggs \$1.00 per 15, \$4.00 per 100. Safe delivery guaranteed. C. E. Romary, Olivet, Kan.  
**STEINER'S WHITE ROCKS** are models. Birds all sold. Eggs priced reasonably. Write E. H. Steiner, Sabetha, Kan.  
**PURE BRED WHITE ROCKS**—Best strains. Eggs \$1.00 per 15, \$5.00 per 100. Mrs. E. E. Williams, Sabetha, Kan.  
**BUFF ROCK** eggs from prize winning pens, \$2.00 per 15 eggs; range, \$5.00 per 100 eggs. Mrs. W. A. White, Uniontown, Kan.  
**BARRED PLYMOUTH ROCKS** exclusively. The kind that will please. Eggs \$1.00 per 15, \$5.00 per 100. A. B. Fowler, Brookville, Kan.  
**BARRED ROCKS**—92 premiums. Eggs, 15 \$1.00, 100 \$5.00; special mating, 15 \$5.00. Stock \$2.00 up. W. Opfer, Clay Center, Kan.  
**EGGS**—From my undefeated Buff Rocks, the great winter layers. Fertility guaranteed. Circular free. W. F. Aiden, Ellsworth, Kan.  
**BARRED ROCK** eggs. 44 premiums at 7 shows. Pen eggs \$2.00 15; range, 15 \$1.00, 50 \$2.50. Mrs. A. M. Markley, Mound City, Kan.  
**EGGS FOR HATCHING** from pedigreed Barred Rocks, \$1.50 per 15. Express paid. Mating list free. Gus Schoback, Atchison, Kan.  
**BARRED ROCK** eggs, \$1.50 for 15, from prize winning, high priced birds. Eggs guaranteed fertile. E. C. Jewell, De Witt, Neb.  
**PRIZE WINNING** White Rocks—Cockerels for sale; Russell strain; \$3-\$10 each. Eggs, 15 \$2.00. Mrs. E. Brooks, Frankfort, Kan.

**Reliable Poultry Breeders**

**PLYMOUTH ROCKS.**  
**WHITE ROCK** cockerels and eggs for sale. V. L. Mader, Collyer, Kan.  
**BUFF ROCKS**—Eggs \$1 per 15, \$5 per 100. Baby chicks 20c. From Delventhall (Johnson strain). Mrs. Jno. Babb, Centralia, Kan.  
**WHITE ROCKS** exclusively; the kind that win; heavy eggs, strain. Eggs 15 \$1.50, 50 \$3.50, 100 \$6.00. G. M. Kretz, Clifton, Kan., Route 1.  
**WHITE ROCKS**—Scored by Stoner. Eggs 15 \$1.00; 100 \$4.00. Pen average score 93 1/2, 15 \$2.00. Mrs. J. W. Hoornbeek, Route 3, Winfield, Kan.  
**WHITE ROCK POULTRY FARM**—High scoring birds; Fishel & Fair strain. Eggs from breeding pens \$1.00 for 15. Mrs. Geo. Calhoun, Sedan, Kan.  
**INDIAN RUNNER** ducks, Barred Plymouth Rocks, Light Brahmas. Eggs from prize winners. Satisfaction guaranteed. Bert White, Burlingame, Kan.  
**PURE BRED BARRED ROCKS** with yellow legs. Baby chicks 12 cents each. Eggs 15 \$1.25, 30 \$2.00, 100 \$5.00. Mrs. John Towell, McPherson, Kan.  
**PRINGLE'S** Barred Plymouth Rocks. Have some good cockerels for sale. Prices reasonable. Eggs in season. Stella Pringle, Route 1, Box 76, Wichita, Kan.  
**BUFF PLYMOUTH ROCK** eggs for sale. The kind that will pay you because they pay me. Prices friendly. Write me today. William A. Hess, Humboldt, Kan.  
**BARRED ROCKS** that have been line bred for 13 years; exhibition stock a specialty; must make room; cockerels \$1.00 to \$10. G. R. Miller, Bowling Green, Mo.  
**FOR BEAUTY**, utility, exhibition Buff Rocks. Exceptional vigor, color and laying qualities. Eggs from pens \$2.50 per 15. Henry D. Smith, Washington, Kan.  
**BUFF ROCKS** exclusively. Eggs from healthy, vigorous, farm raised stock, \$2 per fifty, \$3.50 per hundred. Panned eggs, \$3 and \$1.50 per setting. Mrs. Homer Davis, Walton, Kan.  
**BARRED ROCKS**—44 premiums, 19 firsts. Topeka, Manhattan, Clay Center. Eggs, 15 \$1.25; 60, \$4.00; 100, \$6.00; 15, \$2.50; 30, \$4.50; 15, \$3.00. Mrs. D. M. Gillespie, Clay Center, Kan.  
**SINGLE AND ROSE COMB R. I. RED** eggs from best laying and richly colored strains in the country, 15 for \$1; \$4 per 100. Single Comb cks. \$1, \$2 each. Col. Warren Russell, Winfield, Kan.  
**FOR SALE**—Barred Plymouth Rock eggs one dollar per setting. Baby chick eleven cents. Indian Runner duck eggs, Blue Ribbon strain, ten cents each. Celeste C. Anderson, Simpson, Kan.  
**SHELLEY BROS.' BARRED ROCKS** won 70 premiums—34 firsts, specials and sweepstakes—at Kansas' largest shows. Eggs, \$3.00 for 15; \$5.00 for 30; guaranteed. Circular free. Shelley Bros., Elmdale, Kan.

**RHODE ISLAND REDS.**  
**S. C. RED** eggs 5 cts. Chicks 15 cts. Mrs. P. D. Spohn, Inman, Kan.  
**20 R. C. RED** cockerels for sale, \$1 each. Ruby Morris, Rosalia, Kan.  
**REDS** in both combs. Mating list free. G. D. Willems, Inman, Kan.  
**S. C. RHODE ISLAND RED** eggs, \$1.00 setting. A. F. Routh, Holton, Kan.  
**ROSE COMB REDS**, Silver L. Wyandottes, \$1.00. Mrs. Ola Elliott, Delphos, Kan.  
**PURE SINGLE COMB REDS**—Eggs, 15 \$1.00, 100 \$5.00. Belle Tyler, Haven, Kan.  
**SINGLE COMB** Rhode Island Red eggs for sale. J. L. Carman, Neosho Falls, Kan.  
**ORNDORFF'S** Single Comb Reds. 15 eggs \$1, \$1.50 and \$2.00. R. Orndorff, Lyons, Kan.  
**ROSE COMB REDS**—Eggs from winners at State Show. L. Shamleffer, Douglass, Kan.  
**PURE S. C. REDS**—Eggs \$1.00 per 15, \$5.00 per 100. J. R. McDowell, Braddyville, Iowa.  
**SINGLE COMB RED** eggs. Pens scored by Emery. Mrs. E. B. Holmes, Hennessey, Okla.  
**SEND** for my mating list of prize winning strain of R. C. Reds. V. J. Kirwan, Severance, Kan.  
**PURE BRED S. C. REDS**—15 eggs 75c, 100 \$3.50; baby chicks 10c. J. B. Scott, Gas, Kan.  
**R. C. REDS**—Good stock. Heavy winter layers. 100 eggs \$4. A. N. Peterson, Waterville, Kan.  
**R. C. RED** eggs. Range, 100 \$4.00; pen, \$1.50 per 15. Mrs. F. Murphy, R. 1, Mankato, Kan.  
**S. C. REDS**—Best quality eggs \$4.00 per 100. Order now. Mrs. Allie West, Box 315, Garnett, Kan.  
**SELECTED** Single Comb Reds. Best yet. \$4.00 per 100. Pen, \$1.00 per 15. Mrs. Geo. Dillon, McLouth, Kan.  
**ROSE COMB RED** eggs sixty cts. per setting; four dollars per hundred. Mrs. Jas. Shoemaker, Narka, Kan.  
**S. C. RHODE ISLAND** eggs from my fancy pens. Write for prices. Clyde C. Whiteley, Wichita, Kan.  
**R. C. REDS**—Eggs from range flock \$4 per 100; choice pen eggs \$2 per 15. Mrs. B. F. Weigle, Winfield, Kan.

**Reliable Poultry Breeders**

**RHODE ISLAND REDS.**  
**R. C. R. I. RED** eggs from winning strain. \$1.50 for 15. Baby chicks 20c each. Wm. Reebie, Emporia, Kan.  
**SIX YEARS** a breeder of the R. C. Red. 85 cents 15 eggs, \$4.00 per hundred. Frank G. Stettinich, Bremen, Kan.  
**EGGS**—S. C. R. I. Reds, fine quality, large bone. Write me. R. R. No. 2. Mrs. Clara Moffitt, Newton, Iowa.  
**DEEP RED R. C. REDS**—Red eyes, long back, big bones, score 91 to 94; circular. Highland Farm, Hedrick, Iowa.  
**SINGLE COMB REDS**—Eggs from select breeding stock. Splendid in size, shape and color. Some choice cockerels for sale. Mrs. Lester Jennings, Wanego, Kan.  
**RHODE ISLAND REDS**, Single and Rose Comb, and Barred Rock eggs, \$1.00 per setting. Washburn Ave. Poultry Yards, 208 Washburn Ave., Topeka, Kan.  
**BABY CHICKS**, from choicest Rose Comb Reds, 12c. Eggs \$4.00 per 100. Howard Duncan, Conway Springs, Kan.  
**SINGLE COMB RHODE ISLAND RED** eggs, \$3 per 100; \$1 per 30. Mrs. Rosa Janzen, Geneseo, Kan., R. 3.  
**HIGH CLASS** Rose Comb Reds. Eggs for hatching guaranteed. Send for mating list. Fred T. Nye, Leavenworth, Kan.  
**SINGLE COMB** Rhode Island Red cockerels. Eggs \$3.00 per 100. Mrs. Wm. Quail, Topeka, R. No. 2. Ind. 2202 Ring L.  
**ROSE COMB RHODE ISLAND RED** eggs from selected matings. Write for mating list. S. W. Wheeland, Holton, Kan.  
**RHODE ISLAND REDS**—Both combs. Eggs, 15 \$1.00-\$1.50. Baby chicks, 15 cents each. Mrs. Theron Van Scooter, Irving, Kan.  
**JOHNSON'S VITALITY** Single Comb Reds. Prize winners. Eggs \$1.00 and \$2.00 for 15. Fertility guaranteed. V. A. Johnson, Porter, Okla.  
**FINE R. C. R. I. REDS** and Barred Rocks. Laying strain. Eggs \$1.00 for 15, \$4.00 per 100. Mrs. L. L. Holmes, R. No. 2, Piedmont, Kan.  
**PURE BRED R. C. R. I. REDS**. Dark rich red, red eyes. Eggs 15 \$1.00, 50 \$2.50, 100 \$5.00. Nora Luthy, North Topeka, Kan., Rt. 6.  
**BOOKING ORDERS** now for baby chicks. S. C. R. I. Reds. Eggs for hatching. Get our prices. C. W. Murphy, 1750 Mass., Lawrence, Kan.  
**CHOICE** Rose Comb Rhode Island Reds, fine shape, splendid color and size, good layers. Eggs for sale. Miss Jessie B. Starr, Vinita, Okla.  
**R. C. RED** eggs for hatching. I have one of the best flocks in Butler Co., Kan. \$3.50 per hundred. 45 for \$2.00. Jas. A. Harris, Latham, Kan.  
**ROSE COMB R. I. RED** eggs from prize winning stock. Range \$5.00 per 100. Selected panned \$2.00 for 15. Ferd Myer, Centralia, Kan.  
**S. C. R. I. RED EGGS** \$1.00 per 15. Vigorous laying strain. Good color. Pen stock. Via S. F. or Mo. P. Mrs. H. H. Herst, Argonia, Kan.  
**THOROUGHBRED RED** cockerels, pullets, \$1 and \$2; both combs. Eggs from choice mated pens. Free mating list. T. N. Marshall, La Cygne, Kan.  
**BABY CHICKS**—EGGS—Pure bred S. C. Reds, selected stock. Prices reasonable. Indian Runner ducklings 15 cts. Mrs. Geo. Tudor, Osage City, Kan.  
**STANDARD BRED R. C. REDS** exclusively. High scoring birds. Great laying strain. Eggs \$1.50 for fifteen. Mrs. I. L. Lafferty, Fredonia, Kan.  
**PURE BRED** Rose Comb Rhode Island Reds; eggs and baby chicks; the famous D. W. Rich strain. Send for mating list. C. W. Fansler, Prairie View, Kan.  
**ROSE COMB** Rhode Island Reds. Eggs from pens reasonable for quality. Range flock \$4.50 per 100, \$2.50 per 50. Send for circular. Mrs. J. Wedd, Oakhill, Kan.  
**ROSE COMB R. I. REDS**—Prize winners at Frankfort, Atchison and Topeka shows. Panned eggs \$2.50, \$3 per 15; range eggs \$1. Hattie Feldhausen, R. 1, Frankfort, Kan.  
**ROSE COMB R. I. RED** eggs from stock selected for large size and good color. The best of winter layers. \$1.00 per 15, \$5.00 per 100. Mrs. A. J. Nicholson, Manhattan, Kan.  
**FOR SALE**—Absolutely the best prize winning Rose Comb Rhode Island Reds. Stock \$3 to \$25 each. Eggs \$1 to \$5 setting. Babies 15 cents. C. R. Colwell, Smith Center, Kan.  
**ROSE COMB REDS**—Large boned; all high scored stock; red to skin; eggs, 15 for \$1.50. Farm range eggs, 15 for 75c; \$4.00 per hundred. Mrs. G. C. Talbott, Route 4, Onaga, Kan.  
**S. C. RHODE ISLAND RED** eggs for hatching; price per setting, \$1 for 15; \$2.75 for 50; \$5 for 100; none better; satisfaction guaranteed. W. S. Thomas, Route 1, McQueen, Okla.  
**GET THE BEST**—We have the reddest Rose Comb Reds we ever owned; winners of 50 premiums; eggs \$2.00 and \$3.00 per 15, infertiles replaced. Write O. T. Grimes, Hunter, Okla.  
**RHODE ISLAND REDS**—Both combs. One of the oldest Red breeders in Kan. Ten matings to furnish eggs for hatching. Fertility and safe arrival guaranteed. Prices within reach of all. Illustrated mating list free. H. A. Sibley, Lawrence, Kan.  
**ROSE COMB RHODE ISLAND REDS** exclusively. Six years line breeding for color, shape, and eggs. First premiums wherever shown, including 1st pen Tri-state, Parsons, 1912. Baby chicks and incubator eggs specialty. Eggs \$1.00, \$2.00 \$3.00 per 15. Walter R. Meeker, Erie, Kan.

**Reliable Poultry Breeders**

**RHODE ISLAND REDS.**  
**RHODE ISLAND REDS**—Both combs. "Winners bred from winners." Grand exhibition matings. Good yard eggs \$4.50 per hundred. Catalog free. Karl Spellman, New Albany, Kan.  
**EGGS**—Rose Comb Reds, Barred Plymouth Rocks, Single Comb Brown Leghorns, White Orpingtons, White Langshans, Houdans. Circular free. Elie Lefebvre, Havensville, Kan., R. No. 2.  
**EGGS** from prize winning Rose Comb Reds. Yards, \$1.50 per 15; range, \$1 per 15; \$7 and \$5 per 100. Baby chicks 12 1/2c. Satisfaction guaranteed. Mrs. Dan Clinkenbeard, Wetmore, Kan.  
**DEEP RED R. C. REDS**—Pens headed by State Show and other show winners. All scored stock. Eggs cheapest in the West, quality considered. \$1.00 to \$3.00 per 15. Large yard of choice color, shape and size, \$4.50 per 100. Free circular. Stover & Myers, Fredonia, Kan.

**WYANDOTTES.**  
**COLUMBIAN WYANDOTTES**—Mating list free. G. D. Willems, Inman, Kan.  
**PURE BRED** White Wyandotte eggs, 15 \$1.00. W. A. Potter, Frankfort, Kan.  
**WHITE WYANDOTTE** and Buff Rock eggs, 15 \$1.00. Minnie Fansler, Kidder, Mo.  
**SILVER LACED WYANDOTTE** eggs, 15 \$1.00, 100 \$5.00. Mrs. Janie Hunt, Lebo, Kan.  
**WHITE WYANDOTTES** exclusively. Eggs 30 \$1.50; 100 \$4.00. Mrs. Will Beightel, Holton, Kan.  
**GOLDEN WYANDOTTES**—Eggs, 30 \$1.50, 100 \$3.50. Wm. Anderson, Route 4, Hartford, Kan.  
**GOLDEN WYANDOTTES** exclusively. Eggs 30 \$1.50, 100 \$4.00. Mrs. John Jevons, Wakarusa, Kan.  
**SILVER LACED WYANDOTTES**—Eggs two dollars per fifteen. Geo. H. Blegert, Woodbine, Kan.  
**WHITE WYANDOTTE** cockerels and hens \$1.00 each; eggs 15 \$1.00 or 100 \$4.00. J. W. Rider, Henrietta, Mo.  
**SILVER LACED WYANDOTTES**, eggs from special matings \$1.00 per 15. W. A. Hunter, Manhattan, Kan.  
**SILVER LACED WYANDOTTE** eggs; fine stock; 15 \$1.00, 100 \$5. Chicks 10c. W. R. Stump, Blue Rapids, Kan.  
**BUFF WYANDOTTE** eggs from carefully selected high scoring birds, \$1.50, 15, \$2.50 for 30. P. N. Rees, Solomon, Kan.  
**"PIX" BUFF WYANDOTTES**—Eggs and chick from prize winners. Write for mating list. Geo. B. Pickering, Olathe, Kan.  
**WHITE WYANDOTTE** eggs from high scoring stock, \$1 for 15; 2 settings \$1.75; \$5 per 100. Mrs. Geo. E. Joss, Topeka, Kan.  
**WHITE WYANDOTTES**—State Show winners. Eggs, \$1, \$1.50 and \$2.50. Write for particulars. Richard Bloom, Fulton, Mo.  
**GOLDEN WYANDOTTES**—Twenty years. Best and most beautiful. Stock and eggs. Write Jay R. Douglas, Mound City, Kan.  
**SILVER WYANDOTTES**—Quality kind. Eggs \$1 and \$2 1/2; \$5 100. Baby chicks reasonable. Julia Haynes, Baileyville, Kan.  
**ROSE COMB WHITE WYANDOTTE** eggs, 50c 15, \$3.00 per hundred. Order early. Mrs. L. D. Soule, New Cambria, Kan., R. No. 1.  
**WHITE WYANDOTTE** eggs from special mated pens. Prize winners. 15 for \$2.00 or 30 for \$3.50. W. J. Campbell, Savonburg, Kan.  
**WHITE WYANDOTTE** cockerels \$1.00; 15 eggs \$1.00, 100 eggs \$4.00; from heavy laying strain. Mrs. J. R. Antram, Galesburg, Kan.  
**ONE BLUE RIBBON** Rose Comb White Wyandotte cock and eggs same breed. Correspondence solicited. Mary J. Ward, Edmond, Okla.  
**WHITE WYANDOTTE** eggs, four dollars for 100. Seven dollars for 200. Special price on 1,000 lots. Mrs. H. G. Stewart, Route, Tampa, Kan.  
**WHITE WYANDOTTES**—That always win in the show room. Eggs of higher quality and lower prices; \$1.50 per 15. J. W. Gray, Chanute, Kan.  
**WHITE WYANDOTTES**—Something fine. Eggs from high scoring, prize winning stock \$1.25 setting, \$5.00 hundred. I. B. Pixley, Wamego, Kan.  
**WHITE WYANDOTTES**—Cockerels 75 cents each while they last. 15 eggs fifty cents; 100 eggs three dollars. Mrs. Alice Sellers, Mahaska, Kan.  
**SILVER WYANDOTTES** that are winning in all the big shows. Bred for eggs and the show room. Stock for sale and eggs in season. M. B. Caldwell, Broughton, Kan.  
**SILVER WYANDOTTES**—Eggs, 15 \$1.00, 100 \$5.00. Guarantee 60% hatch or duplicate order at half price. Order direct or write for circular. Mrs. H. A. Dressler, Lebo, Kan.  
**BUFF WYANDOTTES**—Five carefully selected pens representing three distinct strains. The finest lot of breeding birds we have ever mated. Mating list furnished on application. Baby chicks 25c each. Eggs \$2.50 per 15; two settings \$4.00. Wheeler and Wylie, Manhattan, Kan.

**MINORCAS.**  
**S. C. WHITE MINORCA** eggs \$1.50 per 15. C. E. Grandie, Pittsburg, Kan., R. 3.  
**CHOICE S. C. Black Minorca** eggs \$1.50 per 15. Choice S. C. White Leghorns, \$1.00 per 15, \$5.00 per 100. D. M. Christy, Blackwell, Okla.

Reliable Poultry Breeders

ORPINGTONS.

BUFF ORPINGTON eggs 15 75 cts, 100 \$4. Emma Denton, Goff, Kan.

S. C. BUFF ORPINGTON eggs \$1 per 15. Andrew Eskeldson, Ramona, Kan.

PURE BRED Buff Orpington eggs, 75c for 15. Mrs. Louis Amstutz, Ransom, Kan.

15 KELLERSTRASS White Orpington eggs \$2.00. Geo. Fisher, Custer, Okla.

CRYSTAL WHITE ORPINGTON cockerels. J. L. Carmean, Neosho Falls, Kan.

ROSE COMB White Orpingtons. Eggs at all times. Curtis Patrick, Oskaloosa, Kan.

BUFF ORPINGTON EGGS and baby chicks. Mrs. T. N. Beckey, Linwood, Kan.

FOR SALE—S. C. Buff Orpington eggs \$5 per hundred. G. A. Rule, Lancaster, Kan.

FINE S. C. BUFF ORPINGTON eggs, \$1.00 for 15. Mrs. Ethel Hammons, Bronson, Kan.

S. C. BUFF ORPINGTON eggs \$1.50 for a setting of 15. C. L. Vastine, Brownlee, Kan.

BUFF ORPINGTONS exclusively. Eggs and baby chicks. D. C. Moore, Dodge City, Kan.

KELLERSTRASS Crystal White Orpington eggs for sale. Mrs. R. A. Jenne, Eureka, Kan.

S. C. BUFF ORPINGTON eggs, 15 \$1.00, 100 \$4.00. Mrs. O. R. Gale, Cherryvale, Kan. Rt. 1.

KELLERSTRASS White Orpingtons. Eggs and stock reasonable. Fred Baillie, Fredonia, Kan.

SINGLE COMB Crystal White Orpington eggs for sale. J. L. Carmean, Neosho Falls, Kan.

PURE STANDARD White Orpingtons—None better. Eggs \$2.00. Arad Tyler, Haven, Kan.

KELLERSTRASS White Orpingtons. Good cockerels \$3. Eggs \$2. H. B. Humble, Sawyer, Kan.

15 EGGS \$1.25 from our specially mated Buff Orpingtons. Bidleman Brothers, Kinsey, Kan.

ORPINGTONS—Prize winners. Buff \$1.00; White, \$2.00 per 15. A. P. Baecker, Woodbine, Kan.

KELLERSTRASS—COOK White Orpingtons. Eggs \$1.50. Baby chicks. Gertie Racus, Parsons, Kan.

15 ROSE COMB WHITE ORPINGTON eggs \$1.00. Catalog free. James Clifton, Russellville, Ark.

KELLERSTRASS strain White Orpington eggs \$2.00 and \$3.00 per setting. E. H. Brady, Severy, Kan.

GUARANTEED EGGS from prize winning Single Comb White Orpingtons for sale. W. A. Zschelle, Burlington, Kan.

COOK'S STRAIN Single Comb Buff Orpington cockerels \$2 to \$5. Eggs \$3, \$5. Mrs. Grant Stafford, Winfield, Kan.

EGGS—S. C. Buff Orpingtons exclusively; bred from prize stock; farm prices. Mrs. J. T. Ritchie, Oskaloosa, Kan.

SINGLE COMB BUFF ORPINGTONS exclusively. Eggs for hatching. Write for prices. N. L. Fevury, Easton, Kan.

S. C. BUFF ORPINGTONS exclusively. Buff to the skin. Eggs \$1.50 and \$2.00 per 15. Harry J. Muth, La Cygne, Kan.

BUFF ORPINGTONS—Owen's strain, line bred and carefully mated. Eggs \$1.50 and \$2.00. Mrs. Earl Vaughn, Esbon, Kan.

SINGLE COMB BUFF ORPINGTONS—Eggs from choice stock \$1.00 per 15, \$4.00 per 100. D. R. Banta, Tecumseh, Kan.

WHITE ORPINGTONS—Best strains. Eggs at utility prices. Mating list and photo free. C. E. Reed, Norton, Kan.

KELLERSTRASS White Orpington cockerels. Strictly high class eggs. W. A. Allmon, Cottonwood Falls, Kan.

SINGLE COMB BUFF ORPINGTON eggs \$1.50 per 15, \$6.00 per 100. Free range. Mrs. Otis Russell, Canton, Kan.

EGGS—Kellerstrass White Orpingtons; stay white kind; five and three dollars. Mrs. George Robertson, Lubbock, Texas.

KELLERSTRASS White Orpington eggs, \$2.00 and \$5.00 per setting; satisfaction guaranteed. George Reebie, Emporia, Kan.

KELLERSTRASS White Orpingtons—Cockerels \$3, \$5. Eggs in season. Catalog free. Phillips Poultry Farm, Rte. 2, DeSoto, Kan.

S. C. BUFF ORPINGTONS—Extra large stock; good buff. Eggs \$1.00 per 15; \$5.00 per 100. Mrs. J. Drennan, Liberty, Kan.

WHITE ORPINGTONS only. Kellerstrass strain. Eggs \$3.00 per 15. Of the good. Get the best. Sunflower Poultry Plant, Topeka, Kan.

BUFF ORPINGTON eggs from pure bred stock \$1.50 per setting. Also eggs from M. B. turkeys. Mrs. E. D. Ludwig, Waynoka, Okla.

HAURY'S invincible White Orpingtons. Stock and eggs for sale reasonable. Send for mating list. Dr. Arthur O. Haury, Newton, Kan.

CRYSTAL WHITE ORPINGTONS—Scored to 96%; 15 eggs \$2.00, \$3.00 and \$5.00; catalog free. P. H. Anderson, Box M-53, Lindborg, Kan.

FARRER'S BUFF ORPINGTONS have won at Kansas City, Des Moines, Topeka and St. Joseph. Am offering eggs from this prize winning stock. Send for mating list which gives photos and prices. I am a member of the National S. C. Buff Orpington Club and American Poultry Association. H. T. Farrer, Axtell, Kan.

Reliable Poultry Breeders

ORPINGTONS.

S. C. BUFF ORPINGTON eggs from birds scoring 92 to 94 1/2, \$3 and \$4 per 15; utility \$2 per 30. Mrs. Bruce Landaker, Hennessey, Okla., Route 6.

SEE BEFORE YOU BUY—Kellerstrass Orpington cockerels shipped C. O. D. Eggs \$2.00 and \$3.00. Keyes, 2941 Prospect, Kansas City, Mo.

S. C. BUFF ORPINGTON eggs. Choice stock, even color, good shape. Also eggs of free range stock. Write Mrs. Don Farrar, Frankfort, Kan.

S. C. B. ORPINGTONS exclusively, free range, extra large stock, good buff; eggs \$1.25 15, \$3 50, \$5 per 100. Chas. Brown, Parkerville, Kan.

EGGS from full blooded, large boned, Single Comb Buff Orpingtons reduced to \$1.25 per 15. Hens and pullets for sale. Carl Lotz, Eudora, Kan.

S. C. BUFF ORPINGTONS—Eggs and chicks from blue ribbon winners. Satisfaction guaranteed; infertiles replaced. Orpington Place, Phillipsburg, Kan.

SINGLE COMB BUFF ORPINGTONS—Prize winning stock. Eggs and stock reasonable price. Ask for free mating list. J. F. Cox, R. 8, Topeka, Kan.

SINGLE COMB BLACK ORPINGTONS—Six firsts, one second; heavy weights; heavy layers. Catalog free. Rose Cottage Poultry Yards, Phillipsburg, Kan.

SINGLE COMB BUFF ORPINGTONS exclusively. Eggs from prize winners \$1 setting, \$4 hundred. Mated pen, \$3 setting. C. Holliday, Woodbine, Kan.

SINGLE COMB WHITE ORPINGTONS—Eggs \$2.00 for 15. Pen hatched from last year's pullets that averaged 174 eggs each. A. A. Heleker, Frankfort, Kan.

ERNEST YOUNT, Chanute, Kan. Eight years' experience breeding Single Combed Buff Orpingtons. Eggs from prize pen \$5.00 15; farm range \$1.00 15, \$5.00 100.

S. C. BUFF ORPINGTON eggs; Cook strain. We have quality; good color; good shape; good layers. Order early. \$3.00 per 15 eggs. L. E. Hohl, Bushton, Kan.

WHITE ORPINGTONS (Kellerstrass), White Wyandottes. Scored by Southard and McClave. Chicks and eggs. Prices reasonable. Mrs. M. Garnant, Kidder, Mo.

THOROUGHBRED S. C. Crystal White Orpingtons. Eggs from pen No. 1 \$3.00 per 15, \$5.00 per 30; pen No. 2, \$1.50. Fine stock. Mrs. E. A. Slightam, Kirwin, Kan.

GOLDEN BUFF ORPINGTON eggs, 15 \$1.00, 30 \$1.75, 100 \$4.00. Special mating, 15 \$3.00; only few to spare from this pen. White House Poultry Farm, Salina, Kan.

KELLERSTRASS White Orpington eggs \$2.00 per setting. We use the magic egg tester and guarantee them. Write for free circular. J. H. Swink & Son, North English, Iowa.

KELLERSTRASS Crystal White Orpingtons. The big egg laying strain. If you want the best I have them. Eggs 20 and 35 cts each. Chicks 50 cts. F. G. Irwin, No. Topeka, Kan.

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S. C. BUFF ORPINGTON eggs for setting from prize winners. I have 5 mated pens. I will sell a limited number of settings at \$2.00 per 15. Chicks 25c each. Chas. Luengene, Rt. 7, Topeka, Kan.

FOR SALE—Single Comb Buff Orpington eggs for hatching from a select mating of high scoring birds \$3.00 per 15. Also a few fine pullets at \$2.00 each. Satisfaction guaranteed. H. J. Richardson, Viola, Kan.

BUY EGGS of Buff Orpingtons winning all firsts, 2 seconds at Hutchinson State Fair. First prize cock pen, 15 eggs \$5.00; first chl. pen, \$4.00; second pen, \$1.50. Stock for sale. Andrew Humbarger, Salina, Kan., 640 Highland.

WHITE ORPINGTONS—Eggs for hatching. Pens all mated. Birds in these pens are winners both in the show room and as layers. Send for mating list and get prices. White Orpingtons exclusively. Geo. Bower, Box B, R. R., Fairview, Okla.

FOR SALE—Single Comb Buff Orpington eggs, \$2.00 to \$5.00 per setting. Baby chicks \$3.00 to \$6.00 per 10. Sired by 3 cockerels direct from Cook that cost \$36. Poor hatches replaced late. Stock \$2.00 to \$20.00 each. Clara Colwell, Smith Center, Kan.

S. C. BUFF ORPINGTONS—Cook strain. Eggs from pen headed by cock taking 2d prize Topeka poultry show, 1911, \$5.00 for 15. Range eggs from closely culled stock and descendants of prize winning stock \$1.50 for 15 \$7.00 for 100. Anna Fleming, Twin Oaks Poultry Farm, Willard, Kan.

BRAHMAS.

EGGS from pens of show quality stock. Mrs. F. O'Daniel, Westmoreland, Kan.

LIGHT BRAHMAS—Eggs \$5 hundred, \$1 setting. Mrs. Frank White, Furley, Kan.

NOT TOO LATE to get a good Light Brahma cockerel. Few pullets also. Don't write me for \$1.00 or \$2.00 birds. Eggs \$3 per 15. E. W. Rankin & Son, Topeka, Kan.

FOR SALE—Light Brahma eggs and baby chick, from first and second pens at Hutchinson and McPherson, 1911. Satisfaction guaranteed. E. K. Marleigh, Inman, Kan.

SICILIAN BUTTERCUPS.

EXTRA FANCY first prize winning trios of pure bred Sicilian Buttercups \$15.00 per trio. Best layers of largest eggs. Most profitable chicken known. First money gets them. I. E. Bass, Lumberton, Miss.

Reliable Poultry Breeders

LANGSHANS.

LANGSHANS AND WYANDOTTES—See our general ad. Lewis Farms.

BLACK LANGSHANS—Eggs \$2.00 per setting. A. L. Duskin, Belleville, Kan.

WHITE LANGSHANS—Eggs at \$1.00 per 15. Wm. Wischmeyer, Mayetta, Kan.

BLACK LANGSHANS—Eggs from pens scored cockerels \$1.50-\$2.00; range \$1.00. John Bolte, Axtell, Kan.

KLUSMIRE'S IDEAL Black Langshans. Best quality; winners wherever shown; eggs for hatching. Write for mating list. Geo. Klusmire, Holton, Kan.

HOUDAN AND BLACK LANGSHAN cockerels. Winners at Topeka State show, 1910-1911. Eggs from \$2.00 to \$5.00 per 15. E. D. Hartzell, Rossville, Kan.

TENNEHOLM LANGSHANS—The big, black kind. A few choice cockerels at reasonable prices. Write. Eggs \$1.50 per 15. Mrs. E. S. Myers, Chanute, Kan.

FOR SALE—Black Langshan cockerels with the bone, body and color you want. Eggs in season. Eight years a breeder. Geo. W. Shearer, Elmhurst Farm, Lawrence, Kan.

BLUE RIBBON Black Langshans. Noble layers and winners. Eggs from pens No. 1 and 2 \$2.00 for 15; No. 3 and 4 \$1.00 15; satisfaction guaranteed. W. L. Bush, Osage City, Kan.

BUFF AND BLACK LANGSHANS—Black Langshan hens score to 96 1/2, pullets to 96 1/2, chl. to 96; ck. to 65. Fifty chks. on hand. Price and mating list ready. J. A. Lovette, Mullinville, Kan.

BLACK AND WHITE LANGSHAN stock for sale from heavy laying and prize winning strain. Always winners in the biggest shows. Best eggs \$3.00 for 15. H. M. Palmer, Florence, Kan.

TURKEYS.

WHITE HOLLAND turkeys. Toms \$4; hens \$3. Mrs. Rachel Lewis, Timken, Kan.

BUFF TURKEY toms for sale \$5 each. Wm. Horkheimer, Prairie du Chien, Wisconsin.

BOURBON RED turkey eggs from large well colored stock, 11 eggs for \$3.00. Mrs. C. B. Palmer, Uniontown, Kan.

TURKEYS—Bourbon Red, Narragansett, White Holland, Mammoth Bronze. S. Durigg & Son, Armstrong's Mills, Ohio.

BOURBON RED turkey eggs, 2 yr. old breeding stock. Choice in size, color and markings. \$3.00 per 11. Stover and Myers, Fredonia, Kan.

MAMMOTH BRONZE turkeys. No better blood in America. Have won more prizes wherever shown than all others combined. A few chks. for sale. Egg orders booked now. G. W. Perkins, Newton, Kan.

DUCKS.

INDIAN RUNNER duck eggs, every one white, \$1.00 for 13. Mrs. Ethel Hammons, Bronson, Kan.

INDIAN RUNNER eggs \$1 per thirteen, \$3.50 per fifty, \$7 per hundred. Pearl Wertzberger, Alma, Kan.

INDIAN RUNNER ducks. A few choice females for sale, \$1.50 each. Mrs. L. H. Taylor, Kincaid, Kan.

INDIAN RUNNERS—American Standard fawn and white. Eggs \$2.00 per 13. Mrs. Otis Russell, Canton, Kan.

INDIAN RUNNER eggs, fawn and white. Pen one, fourteen \$1.50; pen two, fourteen \$1.00. Julia Little, Conway Springs, Kan.

INDIAN RUNNER duck eggs, fawn and white (white egg strain) \$6.00 per 100. Western Home Poultry Yards, St. John, Kan.

INDIAN RUNNER ducks. American Standard true light fawn and white. Correct in shape, color and markings. Eggs \$1.50 per 15, \$4.00 per 50. Stover & Myers, Fredonia, Kan.

SEVERAL VARIETIES.

REDS AND ORPINGTONS—See our general ad. Lewis Farms.

EGGS—Buff Orpingtons and Barred Rocks. James Meberg, Everest, Kan.

INDIAN RUNNER ducks, Buff Rocks. Eggs \$1.00 setting. "Hilcrest," Oulver, Kan.

PURE EGGS—Toulouse geese, White Pekin ducks, R. C. Reds. C. Shumway, Manhattan, Kan.

THIRTY-FIVE VARIETIES thoroughbred poultry. Catalog free. Jordan Poultry Farm, Coffeyville, Kan.

SILVER WYANDOTTES and Buff Rocks. Eggs for sale, \$1.00 and \$2.00 per 15. R. T. Jahnke, Woodbine, Kan.

FOR SALE—Anconas, Hamburgs and Indian Runner ducks. Stock and eggs. G. W. Skinner, Baxter Springs, Kan.

FOR SALE—Baby chicks and eggs from Black Langshans and S. C. White Leghorns. Mrs. J. E. Gish, Manhattan, Kan.

FOR SALE—Eggs from R. C. B. Leghorns and Barred Rocks. Good hatch guaranteed. H. E. Whitaker, Fairbury, Neb.

BLUE BARRED ROCK and R. C. chocolate Red eggs from birds that talk for themselves. Write Milton Delh, Lawrence, Kan.

BARRED ROCKS and White Orpingtons. Rock pullets \$1.00 to \$2.00. Eggs either variety \$5.00 per 15. F. L. Mohr, Oswego, Kan.

Reliable Poultry Breeders

SEVERAL VARIETIES.

BUFF ROCK and Pekin duck eggs. J. W. Eastwood, Gas, Kan.

43 VARIETIES, Poultry, Pigeons, Ducks, Geese, Turkeys, Guinea, Incubators, Dogs. Catalogue 3 cents. Missouri Squab Co., St. Louis.

SILVER STAR POULTRY FARM pays \$1.00 each for poultry 8 weeks old. Wonderful paying proposition. Write quick. Derry Church, Pa.

EGGS \$1.50 per 15. Fancy White and Buff Orpingtons, White Wyandottes, and White Cochins Bantams for pets. Mrs. A. Peffley, Eldorado, Kan.

EGGS, EGGS—All leading varieties. Choice quality, 80% hatch guaranteed; 15 \$1, 100 \$4. Chix 12c. Ample range. Lewis Poultry Farms, Virgil, Kan.

FOR SALE—Eggs for hatching from Cornish Indian and Pit Games; \$2.00 for 15. Also thoroughbred Esquimo Spitz pups \$5.00 apiece. E. F. Peterson, Neodesha, Kan., Box 615.

SQUABS—Before removing plant, will sell 1,000 pairs Homer pigeons (working daily), at \$1.50 per pair. Easy money raising squabs. Walnut Grove Squab Farm, Hoopston, Ill.

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.

BARGAIN—Moneymakers: Finest thoroughbred baby chicks for sale; 10,000 from leading varieties. Guaranteed alive or replaced. 13 to 50 cents each. C. Colwell's (hatchery), Smith Center, Kan.

ROSE COMB REDS, Columbian Wyandottes. Winners and heavy layers. Won again 45 prizes at two shows this winter. Also Golden Seabright Bantams and Indian Runner ducks. Eggs \$1 to \$5 per 15. Mating list free. A. D. Willems, Mineola, Kan.

EGGS FOR HATCHING—Barred Rocks, White Wyandottes, Light Brahmas, S. C. Rhode Island Reds, Black Langshans. Each breed raised on separate ranges by experienced breeders. For descriptive catalog and prices write Afton Pure Bred Poultry Association, Afton, Iowa.

FOR SALE—Eggs, eggs, eggs. S. C. Buff Orpingtons, R. C. Rhode Island Reds, Buff, White and Partridge Cochins, White, Chinese, Toulouse and Embden geese, Indian Runner ducks. The above stock is strictly pure bred and scores from 95-97 1/2 points. Prices reasonable. Write your wants. Chiles Poultry Yards, (P. O. Box No. 22), Chiles, Kan.

EGGS, EGGS—From turkeys, Toulouse and White Embden geese, Rouen, Pekin, Muscovy and Runner ducks; Rhode Island Red, Leghorns, Houdans, Wyandottes, Hamburg Orpingtons, Games, Plymouth Rocks, Langshans, Cochins, Pearl and White guinea fow. Hens 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.

MISCELLANEOUS.

SEND 25c for year's trial subscription to Southwest Poultry News, Claremore, Okla.

INCUBATORS FOR SALE—Seven slightly used, good as new. A. Koenig, Hanover, Kan.

COOK'S BARRED ROCKS Have stood the test for years and are at present better than ever. My remarkable winnings at the Topeka show still stand in a class unapproached. TOPEKA CHAMPION still holds the world's record as a winning male having won \$54 in cash, four specials, two silver cups and a silver medal. Eggs from the grandest matings in the West \$2 per 15, \$3.75 per 30, \$5 per 50, and \$8 per 100. Special prices on pen eggs. Send for catalog. EXPRESS PAID ON ALL EGG ORDERS. CHAS. J. COOK, Box B, Marysville, Kan.

Lindamood's Barred Rocks For eight consecutive exhibitions our birds won the blue on pens and singles. Pens mated for the season. Eggs from pens \$3 and \$5 per 15. Utility eggs \$4 per 100. Send for circular. C. C. Lindamood, Walton, Kansas.

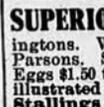
Choice Eggs for Hatching from 52 varieties of Chickens, Ducks, Geese, Turkeys. 130 Premiums at one exhibit. Largest poultry farm in North Iowa. Send stamp for catalogue. E. & J. W. TRETIN, Grafton, Iowa.

SUPERIOR BUFF ROCKS S. C. W. Leghorns and White Orpingtons. Winners at Chicago, Mo. State Fair and Parsons. Seven grand pens mated for best results. Eggs \$1.50 to \$5.00. Stock \$1.00 and up. Send for illustrated mating list just out. Stallings Poultry Farms, Oswego, Kan.

55 BREEDS Pure-bred Chickens, Ducks, Geese, Turkeys. Also Incubators, Supplies, and Collie Dogs. Send 4c for large Poultry Book, Incubator Catalog and Price List. H. E. HINIKER, Box 70, Mankato, Minn.

BUFF ROCKS -- ROSE COMB REDS Winners at Kansas' leading shows. I can furnish you in either exhibition or utility stock at reasonable prices. Eggs from pens \$2.00, \$3.00 and \$5.00 per 15. Utility eggs \$5.00 per hundred. Write for mating list. E. R. SHREFFLER, 1710 Harrison St., Topeka, Kansas.

EGGS AND CHICKS. R. I. Reds, Orpingtons, Wyandottes, Plymouth Rocks, Leghorns, Ducks and Turkeys. Grown on separate farms. Guaranteed, priced right. Printed matter free. WRITE TODAY. L. M. FISHER, Box 8, Hastings, Neb.



## 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.

Do you know, it seems a wonderful thing to me, the overwhelming majority of good men and women there are as compared with the bad. Isn't it an evidence of the inherent goodness in mankind, when you consider the lack of training the average child receives, particularly on the subject of the fundamental laws of its being? We may deplore lawlessness and wickedness, but I believe the solution of the greatest part of it lies in the hands of the fathers and mothers of the children at home.

Think of the teaching given the average child. By the time it is 6 years old, and often before, the active growing little mind begins to wonder and question. Mother will not tell, father will not tell, but playmates will tell, usually a good deal more than they know; and it isn't long before the pure child mind is filled with a mass of filth that would make us grown-ups shudder if we only knew. Perhaps when the boy or girl is 13 or 14 years old father or mother decides something should be said, only to find it is years too late, and the child's mind stained beyond human power to cleanse.

When the child begins to ask questions is the mother's opportunity. If the first questions—simple ones they will be—answered truthfully the child will feel he has some one he can depend on. When schoolmates begin an unclean story your child can say, "That isn't so; my mother told me;" and instead of wondering and speculating, as all of us do over a secret we want very much to know, he will think no more about it. And when the next question comes up he will go to you, because you have his confidence.

Don't take it for granted the child knows some things by instinct. It doesn't. It will listen and speculate and often come to a conclusion that is somewhere near the truth, but it has a right to first-hand knowledge. The fact that so few children receive this information and yet so few go wrong is, as I said in beginning, an illustration of the fact that most of us are by nature good. And those who fail are more often sinned against than sinning. They haven't received the right kind of training, that's all.

A daughter brings sorrow untold to a mother's heart. Perhaps it is because she is weak, and has never been given the training that would help her to be strong. But more often it is ignorance of what is right and what is wrong, what is safe and what is unsafe. That so few girls fall is due more to the goodness of the men they meet than to themselves. Girls even 15 and 16 years old are often so ignorant of the laws of their being that they are perfectly defenseless against evil if it comes. You mothers may not think this possible, but it is so.

What is true of the girls I'm sure is equally true of the boys. Can you imagine a boy who has been told by father or mother the beautiful truths of his being and the sacredness of life, cracking vile jokes and desecrating the purity of some innocent girl? I can't. And villainous or purity of thought on one subject has its influence on everything else.

The mother who says, "Oh, I just can't talk to my daughter," is sinning against

### Sympathy for Sufferers

is good. Prevention of suffering is better. Life insurance is the preventive. An inquiry from you will be treated confidentially. Equitable Life of Iowa. 45th year.

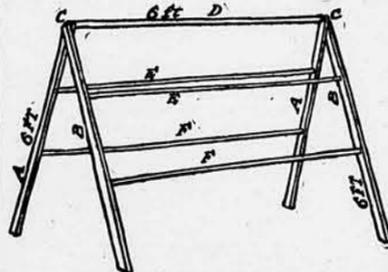
Carmel L. Williams, Topeka, Kan.

her daughter. The father who says, "Oh, let him alone. He'll find out for himself," is failing in one of the most sacred duties of fatherhood. Teach them the truth, gradually, as they are ready for it, beautifully and reverently, as it is in God's sight, and the men and women of tomorrow will be better than those of today.

### A Handy Clothes Dryer.

[Prize Letter.]

I have found a good way to dry clothes during bad weather, when one cannot hang them out of doors. Take lumber  $\frac{5}{8}$  by 2 inches and 6 feet long for legs (A, A, B, B). At the top (C) bore a  $\frac{1}{2}$ -inch hole through all four legs, then



GOOD ON A RAINY DAY.

round off the top bar (D) to fit the hole. The bars (D, E, E, F, F) may be made either round or  $\frac{3}{4}$  inch square. All the bars except D are fastened in place by small nails to keep the top from spreading. This will hold a small family washing, and there is no danger of its falling over. It can be opened as wide as desired, and when not in use closed up and set away.

Goodland, Kan.

### A Prettier Farm Home.

[Prize Letter.]

What am I going to do to improve the surroundings of my home? First, I will clean away all rocks and rubbish to a distance of not less than 50 feet, taking it all north and dumping it behind an old stone fence. The yard has a woven wire fence on the east and south, open on the west. Two large cottonwood trees stand just west of the house but they do not shade the kitchen of an evening, and there is no shade on the south and east. So I am going to plant pole lima beans—some people call them butter beans. They are rapid growers, have thick foliage, are heavy bearers and good drouth resisters. I will put eave troughs on the south so the drip will not beat off the foliage. Then I will nail poles above the windows and door, set four posts in the ground 6 feet from the house and fasten other poles from the posts to the poles above the door and windows, then fasten wire netting over east, top and west for the vines to run on.

Monett, Kan.

Mrs. Shirk.

### Help in Your Dressmaking

"Every Woman Her Own Dressmaker," is a fashion book which not only illustrates all the new styles, but gives plain and simple lessons and instruction on how to make the garments fit and hang like those made by the skilled dressmaker. Patterns may be had from the Pattern Department of Farmers Mail and Breeze for all the designs illustrated. Retail price of the book is 25 cents but we send it free to any reader who encloses two 2-cent stamps to partly pay postage and cost of mailing. Address the Mail and Breeze Pattern Department, Topeka, Kansas.

How heartily a man laughs at your jokes, when he wants to sell you something.

### Sweet Peas All Summer Long

BY EBEN E. REXFORD.

Many persons fail with sweet peas because they do not understand their requirements. They like to have their roots deep in the soil, where they will be cool in hot weather, and on this account shallow planting almost always results in failure. They are also a plant that likes to get well to growing before warm weather sets in; hence the necessity of planting early in the season.

In order to secure a coolness for the roots it is advisable to cultivate sweet peas by the trench system. As soon as the ground is in working condition in the spring dig a trench about 6 inches deep and sow the seed thickly, not more than an inch apart. Cover with about an inch of soil, which should be tramped down firmly. When the young plants are 3 inches tall draw in about them a little soil, and continue to do this until the surface is level.

The vines must have good support. Brush or coarse-meshed wire netting is best. As soon as the plants begin to bloom, begin to cut from them. The more you cut the more you will have, for cutting prevents the production of seed, and the plants, in their efforts to perpetuate their kind, will continue to bloom until frost comes. If seed is allowed to ripen, you will have but few flowers during the latter part of the season. In cutting sweetpeas give the flowers as long stems as possible. Never crowd them in vase of bowl. Just bunch them loosely in the hand, and then drop them into whatever is to hold them, give it a shake, and lo, your flowers will have arranged themselves to perfection.

I always advise purchasing each color of seed by itself. And I would plant each color by itself. But if you are fond of a variety of colors, try the pure white, the pale pink, the delicate lavender and the soft yellow, and you will have the utmost harmony in the combination and enough contrast to bring out each color well. Confine your selection to these colors this season, and I venture the prediction that you will be so well pleased with the result that you never will use mixed seed again.

If the aphid attacks your plants early in the season, procure the tobacco extract sold by all seedmen under the name of Nicoticide and apply it promptly, and keep up its use until not an aphid is to be seen. If the red spider attacks them, as it will be likely to do if the season is hot and dry, fight it with clear water, applying with a sprayer liberally and often. Nicoticide should also be applied with a sprayer, throwing the liquid well up against the under side of the foliage.

### Do You Want to Vote?

The votes that are coming in show in how many different fields our Mail and Breeze women folks are interested. We have heard from women lawyers, women editors, wives of city officials and wives of county officials, wives of business men in town and wives and daughters of men on the farm. And the vote as far as it has been received is overwhelmingly in favor of equal suffrage. Perhaps that means that the majority of Kansas women want equal voting privileges with men, or it may only mean that those in favor of it are voting and those not in favor are simply keeping still. We want to hear from every woman who reads the Mail and Breeze. The blanks are being printed again, so that

YES NO




Name

Address

if there are several in the family everyone may be supplied. This is an expression of opinion by the voting women of Kansas. Kansas women now vote in city and school elections. If you believe they should have equal voting privileges with men please 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 don't care particularly one way or the other put an X in the square left blank. Then fill in your name and address and mail to the Suffrage Editor, Mail and Breeze, Topeka, Kan.

## March 31 to April 7 "Messiah" Festival

Lindsborg, Kans.

18 Concerts and Recitals.  
Chorus of 565 voices.  
Children's Chorus of 450.  
Band and Orchestra, 40 pieces each.  
Soloists of national reputation.  
Several thousand 32-page Souvenir Programs are still on hand. There is one for you. The coupon below filled and mailed to Bethany College brings it.

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COMMENCE REDUCING AT ONCE  
Thousands of Grateful Patrons Praise My Wonderful Drugless Fat Treatment.  
\$5,000 IN GOLD IF I FAIL

WEIGHT REDUCTION  
WITHOUT DRUGS  
REMOVE YOUR FAT  
MY WAY  
THIS BOOK FOR  
FAT FOLKS ONLY  
WHO WISH TO REDUCE  
THEIR WEIGHT WITH THIS  
GREAT DRUGLESS  
TREATMENT

**FAT GOES QUICK—NEW WAY**  
My friends were charitable and called it Obesity; others said I was STOUT, but I know, it was just bulky fat, I was miserable; so are you too stout. To reduce your weight, you must do as I did. I FOUND THE CAUSE—THE REST WAS EASY. Before I succeeded, I tried everything within, and some things beyond reason. It was maddening, disgusting. All I had to do was remove the cause, and I guarantee, that by my simple treatment, without drugs, medicine, violent exercises, or starvation diet, I reduced my enormous weight permanently, quickly and positively with my simple treatment while taking treatment or afterwards, and I guarantee that you can reduce as little or as much fat as you desire, with my treatment just as I did. **TRUE SUCCESS AT LAST.** With my safe, sensible and natural treatment quick results are pleasantly obtained without straps, belts, cups, wires, jackets, sweating, electricity, soap, salts, pills, oils, cathartics, drugs or medicines of any description, making it positively the greatest, most eagerly sought treatment the world has ever known. If you are interested in your own happiness, health and figure, you will let me tell you how to reduce fat "nature's way," the true way—my way—**BETTER GET RID OF FAT BEFORE FAT GETS RID OF YOU.** It is astonishing the thousands of grateful letters I am receiving. J. E. Boisselle, Box 422, Great Bend, Kan., lost fifty pounds with my harmless treatment. W. L. Schmitz, Montevideo, Minn., lost 30 pounds. Mamie McNelly, Desloge, Mo., lost 65 pounds with this new treatment. Mrs. Daisy Smith, Los Angeles, lost 164 lbs. safely, and I can send you thousands of names of satisfied patrons. I publish a book, entitled, "Weight Reduction Without Drugs," which I send free and prepaid so that you may know of my successful treatment and be able to permanently reduce your weight, secretly, without harming yourself. I offer \$5,000 in cash if I fail to prove that my great drugless treatment is anything but safe, quick and harmless in fat-reduction. Don't fail to write to-day for my free book.  
MARJORIE HAMILTON, 166A, C. B. Bldg., Denver, Colo.

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CAN BE CURED. My mild, soothing, guaranteed cure does it and FREE SAMPLE proves it. STOPS THE ITCHING and cures to stay. WRITE NOW—TODAY. DR. CANADAY, 235 Park Square, Sedalia, Mo.

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THE WONDERFUL NEW "MAGIC"  
PICTURE and POST CARD REFLECTOR

This wonderful machine is not a Magic Lantern, not a moving Picture Machine, but something newer, 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 us your name and address and we will send you, prepaid, 25 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,  
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# 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.



- 5741—Ladies' Shirtwaist, 7 sizes, 32 to 46 bust.
- 5731—Ladies' Dress, with three-piece skirt, 6 sizes, 32 to 42 bust.
- 5720—Ladies and Misses' Collars, sizes small, medium, large, corresponding to 12 1/4, 13 1/4 and 14 1/2 inches collar size.
- 5406—Four-Gore Skirt, 5 sizes, 22 to 30 waist measure.
- 5768—Girls' Dress, having three-piece skirt, sizes 6, 8, 10, 12 yrs.
- 5754—Ladies' Waist, closed in front, 6 sizes, 32 to 42 bust.
- 5752—Combination Corset Cover and open drawers, 6 sizes, 32 to 42 bust.
- 5736—Ladies' Shirtwaist, 6 sizes, 32 to 42 bust.
- 5732—Three-Piece Skirt, with high or regulation waist line and with or without panel, 5 sizes, 22 to 30 waist.
- 5767—Four-Gore Tunic Skirt, 5 sizes, 22 to 30 waist.
- 5727—Ladies' Waist, with removable chemise, 6 sizes, 32 to 42 bust.
- 5735—House Dress, with four-gore skirt, 6 sizes, 32 to 42 bust.

5775—Ladies' Waist, having deep arm holes, 6 sizes, 32 to 42 bust.  
 5753—Child's Dress, sizes 2, 4, 6, 8 yrs.  
 5748—Six-Gore Skirt, left-front closing, 5 sizes, 22 to 30 waist.

## What Women Think About Voting AND THE REASON WHY.

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

I am not anxious to vote, but I am sure it is right for women to vote.—Mrs. D. B. Coonrod, R. 2, Arcadia, Kan.

I am for Teddy for president, Capper for governor.—Mrs. C. J. Harlin, R. 4, Tonganoxie, Kan.

Yes, I do want to vote, but I don't want ever to go on a jury, as my husband says I may have to do if I vote. I do think Kansas needs the woman's vote.—Mrs. Walter Butler, Glasco, Kan.

Not only do I want and hope to have equal suffrage with the men, but my husband, sons and sons-in-law also believe in it and will vote for it.—Mrs. Harriet E. Clow, Emporia, Kan.

I hope I can cast a vote for Arthur Capper for governor of Kansas.—Mrs. I. C. Smith, Piedmont, Kan.

I am a farmer's wife and a member of a ladies' reading club with a membership of nine. And I can truthfully say that every member of this club would exercise her right which Lincoln proclaimed as hers when he said, "Equal rights to all and special privileges to none."—Z. P., Wakarusa, Kan.

No, I do not believe in women voting. The women have all the rights they need, and some of us do not take care of our homes and children as it is. I have all faith in our men in Kansas. My husband can vote for me.—Eliza B. McDowell, Portis, Kan.

Would it not be a good plan to have the assessors find out whether our women folks want to vote or not? There are at least 80 per cent here who think it a burden to be compelled to vote. I will begin assessing Vesper township soon and will let you know how we stand here. Our women folks have the right to vote in school meetings. For a few years they honored us with their presence, but now they leave it all to us. A good mother can do more at home teaching her husband and sons to vote right.—Fred Schneider, Sylvan Grove, Kan.

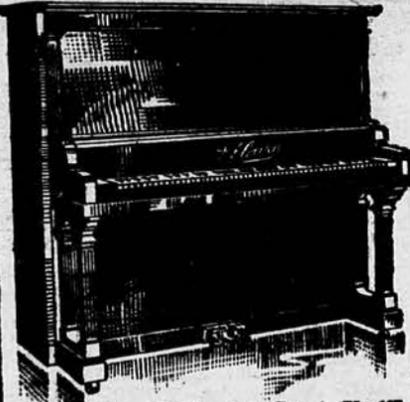
I am in favor of woman suffrage, especially where we are compelled to pay a big tax. The men expect women who have property to pay equal per cent of taxes with them; why not have equal privileges when it comes to voting? It surely isn't right for men who haven't enough money to make themselves comfortable to be allowed to vote while those of us women who are compelled to pay a tax are told we must "keep still."—Mollie Allmon, Preston, Kan.

We have been barred out from our rights long enough. I am going to do everything I can to help suffrage along. But we do not want to do like the English women, who smash windows, destroy property and chain themselves to trees just to aggravate the police. The men set that example of destroying property when they couldn't get what they wanted, but we don't have to follow their example.—Mrs. Annie Harris, Kinsley, Kan.

It has been said that when God saw fit to create a helpmate for Adam he did not take her from his head to rule over him, nor yet from his feet to be beneath him, but from his side that she might be his equal. And I believe she is his equal in all respects. We can and will attend to our domestic duties just the same if women are permitted to vote. I do not like to be classed with criminals, idiots, etc. My creed is justice to all.—Mrs. R. C. Richardson, Kingman, Kan.

### Cold on the Lungs.

For croup and cold on the lungs apply onions. Make a flannel bag, cut up some onions and put them in it. Lay on a board and pound until the cloth is wet, then lay on stove or put in oven, shake and turn often until all are warmed, and apply as hot as can be borne. Mrs. B. Blanchard, Ia.



A Dozen of Your Hens Can Easily Earn This Beautiful Piano

**\$1.50 Per Week**

Will buy the Elburn H-2. Positively worth \$225. \$50 to \$150 more than we ask. Our price only \$225.

Wamego, Kan. Gentlemen—Received the Elburn piano a few days ago, and am very much pleased with it. We had an Elburn piano at home. When I was married and wanted a piano for my home I wanted an Elburn because I like them better than anything I know, so this makes the second Elburn Piano. Respectfully, MRS. GEORGIA LOGAN, R. F. D. No. 2.

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We send it to you absolutely free. You pay no money until the piano is in your home and your friends have thoroughly tested it. We say this piano is actually worth from \$50 to \$150 more than our price, judged by prices obtained by other dealers. Every day sees the popularity of this piano grow. Thousands of Elburns are in Southwestern homes. You can trust the piano and you can absolutely trust the word of the dealer who sells it. Any bank or business house in Kansas City will tell you the reputation Jenkins has for integrity, lowest prices and best pianos. Why not write for a catalog today? We also have many choice bargains on hand in slightly used pianos from \$50 up. (Small monthly payments.) Write today.

**J.W. Jenkins' Sons Music Co., Kansas City, Mo.**

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**In all, Six Different Colors: Red, White, Silvery-Carmine, Golden Yellow, Pink and Crimson.** The other Roses included in this most exceptional offer are all first quality plants, carefully packed and sent prepaid at proper time for planting. They are as follows: The wonderful new CRIMSON BEDEE; the HELEN GOULD, a magnificent, velvety, pink everblooming; the BETTY, a remarkably fine shade of golden yellow; the AME, JENNY GUILLIMOT, finest silvery-carmine rose ever offered; the WHITE MAN COCHET, snowy white, with rich, full flowers. This liberal offer is made solely for the purpose of advertising our big farm paper, The Mail and Breeze. Here is our offer. We send all the above collection of six fine Roses with One Year's subscription for only \$1.00. Order at once before they are gone. Address

FARMERS MAIL AND BREEZE, Rose Dept., 801 Jackson St., TOPEKA, KANSAS

# Big Campaign Offer

**Kansas Weekly Capital**  
From Now Until November 15th For  
**Only 10c**

I want 10,000 new subscriptions to the Kansas Weekly Capital in the next 20 days—and this unprecedented offer will surely bring them. Cut out the Coupon printed below—sign your name and address and return to me at once with 10c and I will enter your name for a paid-up subscription to the Weekly Capital until November 15. If you want the "meat" of all political news from now until the November elections have been closed you can't afford to miss this great 10-cent offer.

This is a special 20-day proposition and if you wish to have your subscription entered before this offer is withdrawn you should cut out the Coupon below and mail at once. ARTHUR CAPPER, Publisher.

ARTHUR CAPPER, Publisher Kansas Weekly Capital, Topeka, Kan. 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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 Postoffice.....  
 R. F. D. or Street or Box No.....  
 County..... State.....  
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**COWPEAS** for sale. D. J. Yoder, Haven, Kan.

**WHITE SEED CORN.** John Shumway, Manhattan, Kan.

**GERMAN** millet, clean, new sacks, \$1.25. D. S. Troyer, Protection, Kan.

**IMPROVED** Golden Beauty seed corn. Laptad Stock Farm, Lawrence, Kan.

**FRUIT TREES** and plants cheap. Send for price list. J. Remsburg, Potter, Kan.

**ALFALFA SEED GUARANTEED**—\$7.75 per bushel. P. Hargrove, Texhoma, Okla.

**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.

**RAISE GOLD**—I have the seed. Alfalfa, potatoes, fence posts. F. D. De Shon, Logan, Kan.

**SENATOR DUNLAP** strawberry plants. Prices reasonable. R. A. Jenne, Eureka, Kan.

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

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**250 STRAWBERRY** plants, \$1. Best three varieties. Fruit trees at wholesale. Free list. John F. Dayton, Waukon, Iowa.

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

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

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**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.

**CHOICE** Boone Co. and White Pearl seed corn \$1.50 bu. Satisfaction guaranteed. Send for sample. A. J. Nicholson, Manhattan, Kan.

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

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**10 ASSORTED** apple trees, 10 peach, 10 cherry, 5 pear, and 5 plum trees prepaid to all points in Kansas and adjoining states for \$5.00. Free catalogue of fruit trees, berry plants, shrubs and flowers. Holsinger Bros., Box 51, Rosedale, Kan.

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

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**20,000 ACRES** of choicest eastern Colorado land just south of the Nebraska line. Soil dark black loam 4 feet deep, underlined with clay. Slightly rolling. Climate mild. Rainfall over 21 inches on the average for 6 years. Water abundant and good, 65 feet and upwards. Country healthy, roads good. No hills. Local market takes everything grown at a high price. Everything like corn, roots and vegetables are heavy producers. Potatoes produce over 300 bushels per acre and of superb quality bringing a specially high price. Want a few live agents to represent us. A. C. Wagner, Mgr., Platte River Valley Land Co., Omaha, Neb.

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FOSTER'S FORECAST

A GOOD APRIL FOR CROPS.

(Copyrighted 1910 by W. T. Foster.)  
To Farmers Mail and Breeze:

Washington, D. C., March 30.—My last bulletin forecasted disturbances to cross continent March 29 to April 2 and April 4 to 8, warm waves March 28 to April 1 and April 3 to 7, cool waves March 31 to April 4, and April 6 to 10. This period of two weeks will average colder than usual although the first warm wave will bring some very warm days. Unusually cool first week in April but not much precipitation.

Next disturbance will reach Pacific coast about April 7, cross Pacific slope by close of 8, great central valleys 9 to 11, eastern sections 12. Warm wave will cross Pacific slope about April 7, great central valleys 9, eastern sections 11. Cool wave will cross Pacific slope about April 10, great central valleys 12, eastern sections 14.

This disturbance will bring an increased rainfall and will start a long spell of hot weather that will greatly improve the crop weather. The cool wave to cross continent March 31 to April 4 will cause the extreme low temperatures of the month and the warm wave to cross continent April 26 to 30 will cause the extreme high temperatures of the month. From that cool wave to that warm wave the temperatures will rise very much more than the season would indicate.

I expect April to be an excellent crop-weather month in all sections, with only a few exceptions.

In bulletins near last of each month I indicate probable rainfall for following month for each section and readers should keep that in mind. When I forecast rain to accompany storm waves of course that forecast must not apply to localities where I have indicated less than usual rainfall for the month.

Tour of the Good Roads Train

A "good roads" train with college speakers aboard toured the Santa Fe lines in Kansas last week. The speakers were J. H. Miller, director of the college extension department; W. S. Gearhart, state highway engineer; H. B. Walker, the state's drainage engineer, and A. R. Losh. Notwithstanding the country roads were in the worst condition possible because of melting snow, interested audiences met the train at every stopping point. Wherever told the account given by the speakers of how Kaw township in Wabaunsee county had graded and dragged 70 miles of road for a year, at a cost of \$7 per mile, proved of unusual interest. This stretch of road was kept in excellent condition for the entire year at the rate of expense mentioned. More interest was manifested in rock roads than was expected by the speakers, especially in the eastern part of the state.

Topeka Fair Board Plans

The fair board of the Topeka State Fair is already well along in its preparation for the 1912 fair next fall. By next fair time cement walks will have been laid in all parts of the exhibit grounds. It is the intention of the board to make a first-class park of the grounds, ultimately. Superintendents for the various livestock divisions of the fair have been selected. Following is the list:

Judging ring, Henry McAfee, Topeka; horse department, J. H. Lee, Harveyville; cattle department, O. O. Wolf, Ottawa; swine department, George Berry, Topeka; poultry department, R. F. Palmer, Topeka; dairy department, D. M. Wilson, Lawrence; agriculture, A. T. Daniels, Topeka.

Incubator Saved the Pigs.

Mr. Editor—We had a litter of pigs born during one of the recent severe snow storms which if left in the pen would have frozen to death in short order. The incubator was heated up and the little fellows put into it for two days and a night. Meanwhile they were fed milk from a bottle and after the storm was over they were taken back to their mother. W. E. G. Sylvia, Kan.



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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 acreage.

"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 container opening, 24 inches wide, makes it possible to shove ensilage out instead of pulling it up 2 or 3 feet like others.

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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 21 tons, feeds eight cows from three acres of corn silage for 120 days up to 200 tons. Can send you hundreds of testimonials from "Unadilla's" practical stock raising owners.

Prices and Savings—Costs from \$120 up, according to size. Quickly put up and saves or makes you \$4 or \$5 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 "Unadilla's" practical exclusive features.

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Saskatchewan farmers in Last Mountain Valley grow 40 bushels of wheat on \$30 land. Result: "Land clear in one year." They are making money hand over fist. Crop failures? We don't have 'em here!

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We are putting on two gigantic new land openings—one at Raymore, in Last Mountain Valley, on the main line of new Grand Trunk Pacific—finest wheat land in the world.

East of Last Mountain Valley lies the rich Touchwood Hills Country. Also to be opened up. Great land for mixed farm-

ing—stock raising—and wheat, oats, flax, barley, grasses, etc.

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# MARKET PROBABILITIES

### Stock Market Still At Mercy of the Weather and Short Supplies Have Boomed Prices—General Scramble For Hogs Has Brought Market Almost to \$8—Marketing Believed to Be Down to Fall Farrowed Pigs—All Grain Up

[Written Specially for the Farmers Mail and Breeze.]

Nothing is able to break away from the weather, much less a commodity and well-known that from all times has been a sort of weather product, and dependent on conditions that seem to change with the moon, the sun and the wind. Such is livestock and its movement, and weather for the past three months has been so uncertain and severe that the livestock industry will refer to it as the record. The West has learned the severe lesson of providing feed in greater quantities, the corn belt has experienced the losing game of feeding against weather odds, and the railroad man has been driven to distraction trying to operate trains on something near schedule time. The heavy snow that fell in the past two days proved another barrier to a quick return to normal traffic, and it is a question now of getting stock to shipping points as well as getting them moved later. The ground is soft under the snow, and hauling or driving is almost impossible. The supply of stock that arrived today was the result of unusual shipping effort on the part of the railroad as well as countrymen. Prices are holding up to the high level of the year and medium weight steers are the highest recorded in the past three months. The general market, however, carries an air of nervousness and it would be able to start a down trend if receipts showed a liberal tendency. Traders say that such a condition will not exist. Chicago receipts are running about the same as a year ago, and five markets show about a 100,000 decrease. Chicago is due to take a big jump, but it is doubtful whether any material decrease will show there before April. If cattle are as scarce in the country as reports indicate April prices will rule higher. Next month tidy light weight steers will be attractive to buyers, but they will be scarce, as few were on feed and in most cases those held were carried through the winter on the economy basis.

#### Butcher Cattle Demand Broadens.

Killers are after cows and heifers. Nearly all the she stuff coming is of the short fed variety, and while killers would prefer something better scarcity makes the plain kind sell in the short order route. It has been years since killers were willing to take canners for cutters, and cutters for butcher cows. The market however, shows no extreme high level, as quality has been lacking. Bulls are also high, and veal calves are selling relatively better at Missouri river markets than at Eastern points.

#### Stocker Trade Opened and Closed.

Early last week with two days of temperatures above freezing, and some sunshine, trading in thin cattle began to boom. Wednesday it closed up like a clam and has been in its shell since. It will take some show of spring now to develop a buying proclivity among stockmen, and at the same time it will take considerable warmth to bring out enough grass to provide feed for the class of cattle now ready to change hands. When things do open up prices will be high.

#### Scrambling for Hogs.

With a moderate reduction in receipts of hogs last week compared with the preceding week the market at times became unsettled and the staid buyer found himself in a wild rush to get the offerings. On two days last week the market rose 40 to 50 cents, and the net advance last week was 55 to 60 cents. St. Louis sold hogs up to \$7.95, and Chicago recorded \$7.75. Other Western markets reached \$7.60. It is hard to tell whether this week will add a further net advance to last week's gain or not, but today prices were quoted some easier. The average weight is holding at the low level of the year, and while the entire shortage is attributed to the condition of country, the decreased weight shows that marketing is down to fall farrowed pigs, and there is practically no feed available for making weight. Omaha is receiving heavy supplies, and Chicago is managing to keep up with a year ago, but other markets are reducing the lead that showed up in the first two months of this year.

#### Record Prices for Sheep.

New high record prices for the year were recorded at all of the Western

markets for sheep last week. Lambs bumped the \$3 level in Chicago, the first time since 1910, and other markets showed tops of \$7.60 to \$7.85. Moderate receipts caused the advance and part of the time demand seemed on a fairly broad basis. At the advance the market seems rather nervous, and the return to normal supplies will turn prices down again. Less than 30 per cent of the Colorado crop has been marketed, and there are a good many bunches scattered through the corn belt. Some sheep are moving to the big feeding points near central markets and are being sheared, but as soon as shipping conditions are more normal there will be a direct and heavy movement from feed lots. Wool prices continue to hold up well. Shearing in the Southwest is well under way, and will move northward as the weather permits.

#### 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	23,525	38,025	42,375
Chicago	59,400	141,000	85,500
Omaha	17,100	64,500	60,700
St. Louis	9,900	40,500	12,200
St. Joseph	7,800	32,300	4,200
Total	117,725	316,325	205,975
Preceding week	109,500	331,075	209,500
Year ago	114,895	361,400	182,700

The following table shows receipts of cattle, hogs and sheep at the five western markets, Monday, March 25:

	Cattle	Hogs	Sheep
Kansas City	7,800	6,600	12,000
Chicago	23,000	55,000	30,000
Omaha	4,200	5,900	18,000
St. Louis	1,400	14,500	2,000
St. Joseph	2,100	11,000	3,500
Total	38,500	93,000	65,500
Week ago	43,460	77,500	48,600
Year ago	34,475	77,100	37,100

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	
Chicago	\$8.75	\$6.80	\$7.55	\$7.10
Kan. City	8.40	6.60	7.55	6.80
			6.50	5.75

#### Active Trade in Horses.

In the past week the general demand for horses throughout the country was better than at any previous time this year. The season now is so far advanced that work of all kinds cannot be delayed much longer, and horses are moving to the big holders for final distribution. Farm demand is more backward than for chunks and drafters. Mules are rather scarce. Prices for all classes continue about net unchanged.

#### Grain and Hay Higher.

Prices for all grain were advanced from 2 to 4 cents last week, and corn is selling at the highest level of the year. Receipts have been unusually light and at times have fallen short of urgent requirements. Alfalfa, prairie and clover hay were advanced \$1 to \$2.50 a ton and alfalfa sold up to \$23, the highest price ever recorded on the Kansas City market. Receipts are beginning to diminish, and prices will go much higher if spring is delayed much longer.

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

	Wheat—	Kansas City	St. Louis
Hard No. 2	1.04	1.10	1.03 @ 1.12
Soft No. 2	1.01	1.02	1.02 @ 1.03 1/2
Corn—			
White No. 2	.71	.72	.72 @ .72 1/2
Mixed corn	.71	.71 1/2	.71 1/2 @ .72
Oats—			
No. 2 white	.54	.55	.54 @ .55
No. 2 mixed	.53	.54	.53 1/2 @ .54 1/2

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	1911	
Chicago	\$1.14	\$1.00	71	47
Kan. City	1.10	.93	73	44 1/2
			55	31 1/2

#### Seeds and Broomcorn.

Sorghum, Amber \$1.45@1.65 per cwt.; sumac \$1.30@2.10; broomcorn, 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 15.00; alfalfa \$10.00@14.00; flaxseed \$1.90; seed corn, bulk 90c@1.25 a bushel; Kafir No. 3 white \$1.25@1.30.

#### Carlot Grain Receipts.

The following table shows the receipts of grain for the week at the three principal grain markets, together with the receipts for the corresponding week one year ago and those of last week:

	Wheat	Corn	Oats
In Kansas City—			
This week	64	161	58
Last week	87	241	73
One year ago	204	341	50
In Chicago—			
This week	235	1890	1013
Last week	239	2360	914
One year ago	117	2137	768
In St. Louis—			
This week	118	374	205
Last week	169	451	225
One year ago	249	643	206

#### Quotations on Hay.

The following quotations are for hay on the Kansas City market:

Prairie, choice	\$18.00
Prairie, No. 1	17.25@17.75
Prairie, No. 2	16.50@17.00
Prairie, No. 3	15.50@16.25
Timothy, choice	20.00@21.50
Timothy, No. 1	18.00@19.50
Timothy, No. 2	14.50@15.00
Timothy, No. 3	11.00@12.50
Clover mixed, choice	20.00@20.50
Clover mixed, No. 1	18.50@19.50
Clover mixed, No. 2	15.50@16.00
Clover mixed, No. 3	13.00@15.00
Clover, choice	20.00
Clover, No. 1	18.00@19.50
Clover, No. 2	16.50@17.50
Clover, No. 3	12.00@13.00
Alfalfa, fancy	22.50@23.75
Alfalfa, choice	22.00@22.25
Alfalfa, No. 1	20.00@21.50
Alfalfa, No. 2	17.50@19.50
Alfalfa, No. 3	7.50
Straw	8.00@12.00
Packing hay	8.00@12.00

#### Livestock in Kansas City.

The movement of cattle last week after expanding some was checked up by the heavy snow of Saturday and the market is still in a firm position. Prices are 15 to 20 cents higher than a week ago, and there is little prospect for an increased supply of fat cattle until grassers begin to move. Good to choice steers are quoted at \$7.60 to \$8.25, and the medium to fair kinds at \$6 to \$7.40. Cows sold up to \$6.25, heifers \$7, and steers and heifers mixed up to \$7.25. Some steers on the quarantine side brought \$7. Feeders sold up to \$6.80, and stockers up to \$6.40.

There has been a material advance in the prices of hogs, and the trading has been active at the advance. Killers are about the only buyers but receipts have been short of actual requirement. The top price today was \$7.55 and the bulk sold at \$7.30 to \$7.50.

The following table shows the range of prices for hogs in Kansas City on days named for the past two weeks:

	Last week	Preceding week
Tuesday	\$8.50@7.10	\$8.25@6.75
Wednesday	6.80@7.25	6.35@6.90
Thursday	6.85@7.60	6.40@6.82 1/2
Friday	7.00@7.60	6.50@6.90
Saturday	6.90@7.57 1/2	6.50@6.75
Monday	6.85@7.55	6.60@6.97 1/2

Lambs reached new high levels for the year last week, and the trading started off fairly favorable for the week. Choice lambs are quoted at \$7.25 to \$7.75, yearlings \$5.75 to \$6.75, wethers \$5.25 to \$6, and ewes \$4.50 to \$5.75. Clipped lambs are selling at \$5.25 to \$6.25.

The following table shows receipts of cattle, hogs and sheep in Kansas City thus far this year and same period in 1911:

	1912	1911	Inc.	Dec.
Cattle	336,051	410,518	74,467	74,467
Calves	19,527	32,547	13,020	13,020
Hogs	747,452	684,387	83,065	83,065
Sheep	496,585	492,870	3,715	3,715
H. & M.	27,248	33,080	5,832	5,832
Cars	26,439	29,864	3,425	3,425

#### Live Stock in St. Louis.

Though noting choice has been offered to test values, the market has shown a stronger tendency on the medium to fair kinds. The highest price paid last week was \$7.75, and 10 days ago the same kind would have been slow at \$7.50. Prime steers would bring \$8.50 or better, and choice kinds \$7.80 up. Cows are quoted at \$3 to \$6.40, heifers \$5 to \$7.25 and calves \$5 to \$7.50. Receipts of all classes of cattle continue light and buyers have not been able to keep ahead of their orders.

In the upward movement of prices of hogs that has been in progress for some time past St. Louis has been the leader, and fell only 5 cents short of reaching the 8-cent level. The top price today was \$7.75 and the bulk of the hogs sold at \$7.40 to \$7.65.

Sheep have shown about as much advance as hogs, but only lambs sold up to the 8-cent level. This was a new high record for the year. The top price two weeks ago was \$7.10. Choice lambs are quoted at \$7.50 to \$8, yearlings \$6 to \$7, wethers \$5 to \$6, and ewes \$4.75 to \$5.55.

The following table shows receipts of livestock in St. Louis thus far this year compared with the same period in 1911:

	1912	1911	Inc.	Dec.
Cattle	162,062	169,352	7,290	7,290
Hogs	732,314	657,617	74,697	74,697
Sheep	216,254	168,068	48,186	48,186
H. & M.	55,560	62,963	7,403	7,403
Cars	17,074	17,693	619	619

#### Livestock in St. Joseph.

Very moderate receipts of cattle are moving to this market, and the snows of

the past two days have practically paralyzed the market. Last week the market closed in a much stronger position than at the opening. Good to choice steers are quoted at \$7.25 to \$8, fair to good \$6.25 to \$7.20, and the common kinds as low as \$5. Cows are scarce and higher, selling at \$3.25 to \$6, and heifers \$4.50 to \$7. Veal calves are quoted at \$4 to \$8.25, stockers \$5 to \$8, and feeders \$5.50 to \$6.50. The same conditions that caused a boom in the prices of hogs at other markets lifted prices here to a new high level for the year. The advance last week was 50 to 60 cents and prices now are higher than a year ago. The top price today was \$7.55 and bulk \$7.40 to \$7.50.

Sheep have fared as well as hogs and prices are up 40 to 60 cents compared with a week ago. Choice sheep have shown the greatest advance. The best lambs today are quoted at \$7 to \$7.65.

(Continued on Page 39.)

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will soon be on. Hundreds of well paid positions will be open. Prepare yourself now by a thorough training in our large shops. Many cars. Repairing, overhauling, road work. Write for particulars. National Auto Training Ass'n Omaha, Neb., 9

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In handsome nickled case, pocket size, for pocket, desk, home, automobile or shop. All of fine steel. A 20th Century marvel.

#### Some of the 47 Tools

- Hammer, Screw Driver, Chisel
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Send just \$1 to pay for a year's subscription to Mail & Breeze and enclose 25c extra to pay mailing expense—\$1.25 in all—and get these 47 tools free. Money back if not satisfied. Mail and Breeze, Dept. 47-T, Topeka, Kansas

## BRACELET FREE



### GIVEN AWAY

We will give, absolutely free, to the first girl in each neighborhood who writes us, this fine, adjustable, Signet Bracelet, guaranteed for five years. It is made of real rolled gold, with handsomely chased links and highly polished, engraved signet disk with space for your initial. Just send us your name and address for 8 packages of our choicest embossed post cards to distribute among your friends on our special offer. When distributed, send us money collected and we send you this beautiful Bracelet in a pretty Satin-Lined Case, absolutely free. Your money refunded if you are not delighted. Address S. M. WRIGHT, 137 W. 8th, Topeka, Kan.

# Half the Corn Won't Grow

### Co-operative Testing Suggested by the College

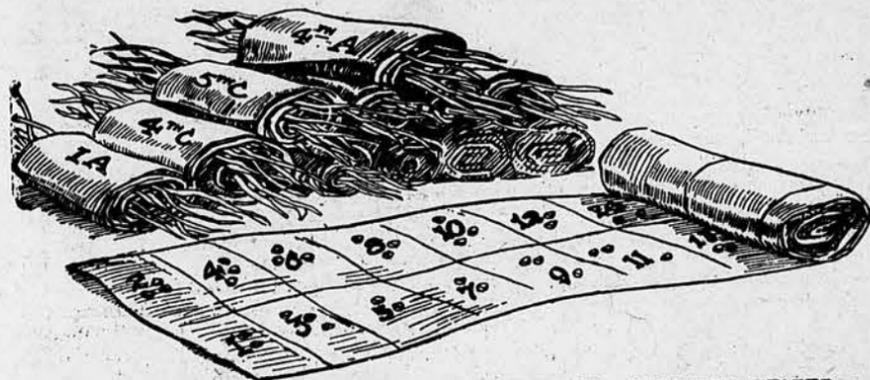
The Agricultural college believes that the seed corn situation in Kansas is critical. This agrees with the information which has come to Farmers Mail and Breeze from time to time since the first of the year. The agronomy department of the college has formulated a plan which, if carried out now, before planting time, should prevent a poor corn crop this year. A co-operative germinator in every town is the suggestion. The idea is to have some individual or local organization in every town take the responsibility for obtaining a germinator and conducting a general germination test for all the farmers of the community.

"Although we have been, for the last two months, urging farmers to make germination tests, comparatively little has been done," writes W. M. Jardine, professor of agronomy. "In some parts of the state more than one-half of the corn saved for seed will not grow. This

No. 1. Take 6 kernels from ear No. 2 and place in square No. 2, and so on.

When the cloth has been filled, begin at either end and roll the cloth up. If the cloth is well moistened the kernels will not push out of place. When the cloth has been rolled, tie a string around each end rather loosely, or better still, use a rubber band. Number this roll No. 1. Then proceed with roll No. 2 in the same way. From 30 to 50 ears can be tested in each roll, depending upon the length.

After the rolls have been filled they are placed in a bucket or tub of water where they may remain from 2 to 18 hours, depending upon the preference of the operator. At the end of this time pour off the water and turn the bucket or tub upside down over the rolls, or use a common dry goods box for this purpose. A couple of small pieces of wood should be laid under the rolls and one edge of the pail should be lifted from 1/2 to



RAG DOLL TESTER IS A CHEAP, CONVENIENT AND ACCURATE TESTER.

is because of the dry season last summer and the immature condition of the corn last fall. We have investigated the situation thoroughly by making germination tests of corn from various parts of the state. With a germinator in every town I believe we can, within the next few weeks, determine what seed in the community is fit for planting and what seed will not grow."

Whoever undertakes to conduct the test should buy a germinator or make one, and begin to collect seed samples at once. Directions for making such a germinator were given by Prof. Jardine in Farmers Mail and Breeze of February 10, and are to be found in most literature on corn raising.

A cheap, convenient and accurate homemade tester for a farmer's use is known as the "rag doll" tester. Anyone can make one in a few moments and the Iowa station reports it has given an accurate test in that state, as indicated by field results. One advantage is that all parts of the kernel, roots, shoots, etc., may be readily seen. Tear a few yards of sheeting of good quality into strips 8 inches wide and from 3 to 5 feet long. Hem the edges, if the strips are to be used a number of times, to prevent the ravelings disarranging the kernels in unrolling.

Down the middle of each cloth strip, lengthwise, draw a line with a heavy pencil. Then draw cross lines at right angles to the first to divide the strip into squares about 3 inches wide, as shown in the accompanying illustration. Number the squares, as shown in the illustration, also.

Wet one of the strips thoroughly and stretch it out in front of the ears to be tested. Take 6 kernels from ear No. 1 kernel from near the butt, the middle and the tip, then turn the ear over and take 3 kernels in the same way from the other side. Place these in square

1 inch in order to give ventilation. At the end of 5 days the kernels should be ready to read.

Let roll No. 1 be the first to be examined.

This cloth will be unrolled in front of the ears represented. Examine all the kernels carefully. In all cases in which all 6 kernels are not strong in germination the ear should be thrown away.

Both of the methods are simple and efficient. It has been proven that the water method of testing is as good as any other.

### WORLD'S GREATEST SEED CORN— "GRAND CHAMPION" WHITE. TWO POUNDS FREE TO EACH SUBSCRIBER.

I am going to give free to my subscribers a limited quantity of the world's purest and best seed corn—"Grand Champion" White—grown from the bushel which was awarded first prize at the Omaha Corn Exposition, Omaha, Nebraska, and for which I paid \$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 have had this "Grand Champion" corn put up in one pound packages, all ready for mailing.

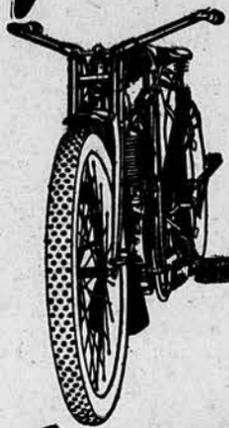
As long as my supply lasts I am going to give it away on these very attractive offers: Two pounds of corn and a year's subscription (new, renewal or extension) to Farmers Mail and Breeze—for \$1.00 I will also give you two additional pounds for each new yearly subscription you send me, other than your own, at the regular rate of \$1.00 a year.

You pay nothing for this corn—it is mailed to you, postpaid, as a free gift for your own or your neighbor's subscription to The Mail and Breeze at the regular rate—2 pounds with each yearly subscription.

I have only a very limited quantity and can secure no more at any price when this supply is gone. Send your subscription or renewal at once. If too late, I will notify you and return your money.

Address,  
Arthur Capper, Publisher Mail and Breeze, Topeka, Kansas.

# Ride and Sell the Yale



Every prosperous agricultural district offers big opportunities for Yale owners to act as our agents. Write today for our liberal proposition.

### 1912-The Year of the Yale-1912

Always a leader, the Yale today is especially prominent by reason of the fact that it has the maximum number of real 1912 improvements. Some of these may be had on the Yale only; no other motorcycle can give you all of them.

### Study the Yale's Long List of Good Things

More drop forgings than any other motorcycle; the Y-A Shock Absorber that Absorbs the Shock; 2 1/2-inch Studded Tires, Auto Fender Mud Guards, Eclipse Free Engine Clutch, Full High Forks, Eccentric Yoke, Triple Anchored Handle Bars, Muffler Cut-Out, comfortable saddle position and Mechanical Oiler on Twins.

Yale 1912 literature, describing the four new Yale models:—4 H. P. to 7 H. P. Twin is ready—ask for it.

**THE CONSOLIDATED MFG. CO.**  
1761 Fernwood Ave., TOLEDO, OHIO

# WANTED!

I want 10 men or more in every township to write me quick for a special offer on the sized engine they need. When you get this offer you'll buy. I make it practically irresistible. Then everybody in your neighborhood will know the truth about Galloway—his quality and savings—and all will understand the foolish tales the dealer tells in order to get his big price and personal profit.

## 10 OR MORE MEN

### Write Now to Galloway

You'll soon see the reason for the really funny things that dealers say of Galloway—"Galloway has no factory"—"Galloway's pretty near broke"—"Galloway's stuff is poor quality"—those are a few of their stories. But I'm going to call their bluff and make such prices to 10 or more men in every township that will bring the orders and show up the dealers' "jokes" in their true light. In the meantime I'm getting hundreds of letters like this: A. L. Westphal, St. Francis, Minn., writes: Last winter I investigated 5 or 6 different engines on the market, but I bought the Galloway, and I am very well satisfied with it. I have saved at least \$100.00 on it. Write quick for Big Engine Catalog and special prices. Pl. also send my fine new General Line Catalog in five colors.

W. M. GALLOWAY, President  
THE W. M. GALLOWAY CO., 205 A J Galloway Station, WATERLOO, IA.

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tain Pens, other valuable presents. Sell 15 packages postal cards 10 cents each. EMIL BANSBACH, Springfield, Illinois

# 6 BIGGEST, BEST and MOST BEAUTIFUL Chrysanthemums F-R-E-E!

A big garden of the always popular "Mums" may now be yours—and absolutely without cost! The beautiful Chrysanthemum collection described below is made up of First Prize Winners and is grown for us by one of the most famous firms of florists in America. The beauty of this flower of the Orient is well known. Few people realize, however, how easily they can be grown. The Chrysanthemums described are among the best and most valuable varieties; they are healthy growers, early and abundant bloomers and bear flowers of the largest size and most beautiful shades of color. Here is a brief description of the six varieties included in our great free offer:

- POLLY ROSE—Produces extra sized flowers of purest white; fine deep form, foliage evenly distributed.
- SIX COLORS: White, Pink, Crimson-Maroon, Canary Yellow, Lavender and Golden-Yellow.
- PACIFIC SUPREME—A new globular, incurved variety. A delicate pink and very early flowering.
- BLACK HAWK—The darkest red yet raised, velvety crimson-maroon. Outer petals reflexed, center erect, making a very large flower.
- GOLDEN GLOW—The finest of its color ever offered. A fine canary-yellow of a soft texture, with broad petals.
- LAVENDER QUEEN—Very solid Japanese incurved; large in size, fine lavender, height 3 1/2 feet; blooms about October 15. An exceptionally fine variety.
- SUNBURST—Undoubtedly the grandest golden-yellow variety ever introduced; the marvel of the period. Nothing can exceed the richness of its color. Remarkably vigorous grower; carries its great globular flowers erect, giving it a bold, majestic appearance.

**MY OFFER:**  
My purpose in offering to send you these six beautiful plants, absolutely free and prepaid, is to further introduce my already well-known publication. If you are already a paid-in-advance subscriber you may accept my offer and time will be extended. If your time has run out, renew on this liberal offer. Show this offer to your flower-loving friends so that they, too, may have one of these beautiful collections. If not a subscriber, send your subscription and get the best paper of its kind published, and share also in this big offer. Send me just 50c to pay for a new, renewal or extension subscription to my paper for six months and I will send to your address, at proper time for planting, the six beautiful varieties named above, free and prepaid. This offer is made for a short time only. Send your 50c at once. Address,  
**MAIL & BREEZE, Dept. 6-M, TOPEKA, KANSAS**

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## WHAT BREEDERS ARE DOING

FRANK HOWARD,  
Manager Livestock Department.

### FIELDMEN.

A. E. Hunter, Kansas and Oklahoma, 410 East Williams street, Wichita, Kan.  
E. R. Dorsey, Missouri, Kansas and Iowa, Girard, Kan.  
J. W. Johnson, Beloit, Kan., Kansas and Nebraska.  
C. H. Walker, Kansas, Missouri and Iowa, 1015 Central, Kansas City, Mo.  
Grant Gaines, Iowa, 334 Chamber of Commerce Bldg., Omaha, Neb.  
G. E. Hall, Nebraska, 334 Chamber of Commerce Bldg., Omaha, Neb.

### PUREBRED STOCK SALES.

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

### Angus Cattle.

April 9—Andrews and Caldwell, Maryville, Mo.  
Apr. 26—E. M. Gates, La Plata, Mo.  
Apr. 30—Association Bull sale at Omaha, Neb. Chas. Gray, Sec., 817 Exc. Ave., Chicago, Ill.  
May 2—Association Bull sale at Chicago, Chas. Gray, Sec., 817 Exc. Ave., Chicago, Ill.

### Shorthorn Cattle.

April 10—Hill-Hanna, Fredonia, Kan.  
April 11—Adelaide B. Fraser, F. H. Gilck, Mgr., at Kansas City, Mo.

### Poland China Hogs.

April 20—Roy Johnston, South Mound, Kan.  
May 14—Nevius & Wedd, at Spring Hill, Kan.  
May 15—Matt Alton, Erie, Kan.  
Aug. 7—John B. Lawson, Clarinda, Ia.  
Aug. 7—(Evening sale) L. R. McLarnon, Braddyville, Ia.  
Aug. 8—J. W. Pfander & Sons, Clarinda, Ia.  
Aug. 9—J. O. James, Braddyville, Ia.

### Duroc-Jersey Hogs.

April 30—T. F. Johnston, Garfield, Kan.  
May 15—Sam'l Drybread, Elk City, Kan.

### Kansas and Oklahoma.

BY A. B. HUNTER.

The Investor Publishing Co., San Antonio, Texas, has an ad on our classified page, that every one of our readers should read. Several thousand acres of school land is to be sold by the state on 40 years' time, at 3 per cent. interest, at \$2.00 to \$5.00 per acre. This firm will give you full information. Mention Farmers Mail and Breeze when you write.

### Shorthorns at Fredonia.

Prince Mistletoe 338508, Red, calved September 13, 1909, by Prince Royal 270647; dam Mistletoe 2d, by Imp. Collynie 135022; second dam Imp. Mistletoe 15th, by Captain Ripley 138628, by the noted sire Captain of the Guard (58596). Mistletoe 2nd is full sister to Sweet Mistletoe, Pride of Collynie and Captain Archer, all noted animals. Imported Mistletoe 15th was one of Mr. Duthie's reserve heifers in 1898 and was the choice of all the yearling heifers at Collynie. Her dam and granddam were cows of extraordinary quality, the latter being the dam of the noted bull Imp. Merry Hampton. Imp. Mistletoe was on very short legs. She carried a body of extraordinary depth and thickness with an udder that would have excited the admiration of a dairyman. She would have been a strong competitor in the most exciting dairy contest. Mistletoe 2d is also a great milker and the thickest fleshed cow at Palo Duro. Princess Royal 62, the dam of Prince Royal, was selected especially by Mr. Marr as one of the choicest representatives of the celebrated Uppermill herd. She was a cow of superb quality and magnificent scale, hardy and vigorous and a regular producer at 14 years of age. The highest priced bulls Mr. Duthie has sold in recent years have been from the Princess Royal family. With this rich inheritance of milk and flesh, and a pedigree combining the choicest blood lines from Uppermill, Sittyton and Collynie, and an individual excellence unsurpassed, we can justly claim that there has never been offered in a country sale in the West a young herd bull of such outstanding merit as Prince Mistletoe. This young bull has

### Farmers Mail and Breeze Pays Advertisers.

Farmers Mail and Breeze, Topeka, Kan. Enclosed find check for advertising my sale of February 22, 1912. I wish to thank you for the nice ad you gave me, and I especially wish to thank J. W. Johnson for the good field notes he gave me. I will say that the most of the inquiry for catalogs had Mail and Breeze written in the letter.

C. E. M'KINNIE,  
Breeder of Scotch and Scotch Topped Shorthorns,  
Beloit, Kan., March 11, 1912.

Farmers Mail and Breeze, Topeka, Kan. Please find enclosed herewith our check for \$5.00, for which please insert the following ad until same is disposed of. We are well pleased with the results from other advertisements through your paper.

SOUTHERN REALTY & TRUST COMPANY,  
Ashdown, Ark., Jan. 23, 1912.

Every week for years Farmers Mail and Breeze has printed voluntary letters from its advertisers and different letters are printed every week.

been used on a number of the very best cows at Palo Duro and quite a number of the females in this sale are bred to him. Would you not like to own him? Or a son of old Collynie himself, with a few of these superb females, as a foundation for a future great herd? They are not selling a few good ones and a lot of the common kind, but 50 head of valuable breeding animals, all superbly bred and most of them with their whole breeding life ahead of them. Breeding cattle are still selling cheap and Collynie's get that will go in any public auction are few. Be with us on Wednesday, April 19, at 1 o'clock, at Fredonia, Kan. Apply for catalog to H. M. Hill, Lafontaine, Kan.

### Missouri, Kansas and Iowa.

BY ED. R. DORSEY.

### Two Good Herd Boars.

We again had the pleasure of visiting the Green Lawn Stock Farm herd of Poland Chinas, owned by A. J. Erhart & Sons of Adrian, Mo. On the farm are nearly 100 head of little fellows and 25 more sows to farrow. Mr. Erhart expects to raise 300 pigs for this season's trade. They will be sired by Major B. Hadley (grand champion of 1911), Giant Wonder (A Wonder's greatest son), Young Hadley, by Big Hadley, Big Spot (that was two years in the breeding herd of High View Stock Farm), all owned by Mr. Erhart. He will also have pigs sired by Expansion's Son, Grand Look, King Hadley, Grand Leader, King Ex. 3d, and others, which will perhaps give a larger variety of breeding than any other herd in the United States. Erhart do not expect to hold a fall sale, but will sell all at private treaty. They will again fix a herd and campaign a few weeks to advertise and show what the big type can do in the show ring. They do not stop at size alone, that is one point, but to breed winners many points are considered, and it takes the best to bring home both honor and money. As they have so many extra show and breeding males they will offer for sale either Big Spot or Young Hadley, and the man who is fortunate enough to place one of these hogs at the head of his herd will certainly do well. They could spare five extra good sows, bred, to farrow in May.

### Johnston's Spring Sale.

The 20th day of April is the annual spring sale of Poland Chinas of Roy Johnston of South Mound, Kan. We recently visited this herd and found his stock in their usual good form and all of his herd sows safe in pig and all due to farrow in March. Mr. Johnston is busy fitting and breeding his great lot of young sows for this sale. At this time he will sell 50 head, practically all of his own breeding and it is a sight to see so many young, high class sows that are to go in one sale. There will be but one or two sows that have ever farrowed a litter of pigs. Considering age it is doubtful if Mr. Johnston ever sold a nicer lot and it is sure he never sold as many in a bunch. This will be his ninth public sale in three years. His last sale was thought by many to have been the best that has been sold on the South Mound breeding farm. While the average was not so high as some of his preceding sales, he sold 79 at almost \$50 each and this was considered very good for this year as they are selling for about 30 per cent less than last season. In this offering will be four fall yearling sows and 10 early spring yearlings, the rest are July and August yearlings. This will be an opportune time to please the buyers as they can have the opportunity of buying them at different ages, different breeding and for both show and breeding purposes. While the average of these sales is a little above most of the sales there is a reason for this, because he deals in nothing but the higher order of good ones. He treats his customers in such a manner that they not only come back but often bring their friends along. A guarantee in his sale is good because Roy Johnston makes it good. Write today for the catalog and mention Farmers Mail and Breeze.

### Kansas and Nebraska.

BY J. W. JOHNSON.

### Morgan's Stock Sale.

E. R. Morgan wired us Monday morning to announce that he was forced to postpone his sale again on account of the weather conditions. This sale was first advertised for March 12, then March 26. Now he will try to hold it April 4 and, if the old adage "The third time's the charm" holds good in the sale business, he should have a good sale. The chances are, however, owing to the condition of the roads, that this will prove a veritable bargain day for the men who attend the sale. For breeding, etc., see advertisement in this issue.

### Kansas, Missouri and Iowa.

BY C. H. WALKER.

### Big Missouri Jacks.

G. M. Scott, Rea, Mo., still has some high class jacks to sell. They are 15-2 to 16 hand jacks, nicely marked, good heads and in every way A 1. Mr. Scott has enjoyed a splendid trade in this season but still has 25 of his best ones to select from. He will make reasonable prices on these and will be glad to have any of our readers write him. Address G. M. Scott, Rea, Mo., and mention Farmers Mail and Breeze.

### Holsteins at Auction.

F. J. Searle, owner of Sunflower Herd of Holsteins, at Oskaloosa, Kan., will sell 100 head of Holsteins at the state fair grounds, Topeka, Kan., Saturday, April 20. These cattle are all registered. This offering will eclipse any dairy cattle sale ever held in Kansas, consisting of an entire consignment of a famous Nebraska herd, and a consignment from Sunflower herd, all of milking age and every cow safe in calf to the herd bull.

Tiranla Lady Aouda 5th King 6125, whose three nearest dams average above 29 pounds of butter in 7 days and who has about 20 A. R. O. sisters, three above 20 pounds at 2 years old. This bull will be at the sale and may be offered. A number of choice young cows and heifers, also several extra good young service bulls will be in sale, from a prominent eastern breeder. You cannot afford to overlook this sale of big, smooth, well bred cattle of the best dairy breed on earth. For catalogs address F. J. Searle, Oskaloosa, Kan., and mention Farmers Mail and Breeze.

### Angus Offering Extraordinary.

Without a doubt the offering of Aberdeen-Angus cattle which W. W. Andrews, Maryville, Mo., and C. D. & E. F. Caldwell, Burlington Junction, Mo., will sell at Maryville, Mo., Tuesday, April 9, is one of the best to be sold in this territory this year. It is a selected offering of 44 head from two of the most carefully bred herds in the country. In richness of blood lines represented and the individual merit which the animals possess this offering is top notch. In the matter of herd bulls represented it is one of the strongest ever offered buyers in the West, or anywhere for that matter. In Undulata Blackcap 1to 2d 116275, Black Lad 2d 96893 and Blackbird Printo 142246, three sensational grandsons of the world renowned Prince 1to these breeders have three of the best bred, best producing herd headers in the country. These three remarkable sires are strongly represented in this sale by their get and all the females are safe in calf to them. The offering comprises 44 head, 33 females and 11 bulls. There will be 13 Blackbirds, four Queen Mothers, 11 Trojan Ericas, two Heather Blooms, 10 K. Frides, two Abesses, one Heather Bell and two Duchesses. Both in choice bred females, bred to outstanding bulls, and the large number of herd heading and show bulls to be sold this offering will not be surpassed this season. Both of these well known herds have been topped for this sale. Among the top bulls to be sold we call attention to Blackset Lad C.,

### BERKSHIRES.

### WAITE'S BERKSHIRES.

Choice young Boars and Glits, also tried sows. Most famous Berkshire blood. We guarantee satisfaction. Call or write LEON A. WAITE, WINFIELD, KAN.

### WILDWOOD FARM BERKSHIRES

Headed by  
SIR MASTERPIECE 2D AND WILDWOOD REVELATION 125617.

125 choice pigs by these two great herd boars and out of prize winning sows representing Black Robinhood and Lord Premier breeding. Only the best shipped on order and all representations guaranteed. Address O. L. STEANSON, TROY, KANSAS.

### SUTTON'S OFFERING OF BERKSHIRES 30 BRED GLITS



For sale, weight 250 to 350 pounds. These glits are extremely high class and priced to sell quick. 5 tried brood sows—bargains. 15 high class spring boars \$25 to \$50. Book your orders now and get the tops.  
Sutton Farms,  
Lawrence Kansas.

### MEADOW BROOK BERKSHIRES AT BURLINGTON, KANS.

200 bred sows, all bred to Premier Longfellow, King's 2d Masterpiece, True Type, King's 4th Masterpiece, King's X Masterpiece (the greatest yearling we ever raised), Forrest Count, etc. One hundred open sows and twenty extra nice males. Two extra good herd boars for sale (every one deep in breeding and rich in blood).  
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## SHORTHORNS 10th ANNUAL COLLYNIE SALE

At our first sale ten years ago the blood of Mr. Hanna's importation and of Collynie in particular was not much in evidence, but each succeeding year the impression made by this noted lot of Scotch cattle, direct from the Duthie and Marr herds, in our annual sales has been very marked. The last half a dozen sales have been made up quite largely of the descendants of Imported Collynie. This sale of prime breeding cattle is made up almost altogether of descendants of that great bull and includes about the very last of his bulls. The old bull was sent to market last December after fourteen years of unusually useful life with his constitutional vigor unimpaired, but while still active he had failed to settle his cows for several months. This great breeding sire has passed but Shorthorn history will be richer because of his descendants which number into the thousands for these descendants have inherited the ability to go on—and are demonstrating their usefulness under conditions and with feed and care that are possible on every stock farm in the West. The writer, who has been making numerous visits to Mr. Hanna's farm for nearly twenty years past, was recently there and I do not hesitate to say that the young things now coming to maturity there are the most sappy, growthy and altogether uniform lot from the standpoint of individual excellence ever offered from Palo Duro.

When old breeders, young breeders, or new beginners can have the opportunity of selecting from such a lot of cattle of one type—faithfully bred, with the prestige of the best breeders of America and the British Isles attached, and at the present low prices, it would seem that they were surely getting in on a safe basis.

Mr. Hill's start since his practical dispersion last year has been small, but his dozen entries in this sale, most of them by his former herd bull, Ingle Lad, will be found excellent in quality.

Mr. Cowley's herd is small but well selected and he too has profited by the use of Collynie's blood.

The breeder-farmer or stockman should employ pure blood in his livestock in order to make more profitable use of the ordinary farm crops, and he must have livestock that has been bred and developed in a practical manner.

This selection of choice cattle from these established herds will convince anyone that these breeders are not following fads but are paying strict attention to utility and the results shown in the uniform excellence of this consignment will please practical men.

Mr. Hanna consigns 30 head, 7 of which are bulls including his young herd bull, Prince Mistletoe, whose dam is the best cow on the farm today and she is a full sister to Captain Archer, Pride of Collynie and Sweet Mistletoe. This young bull is the greatest show bull as well as the greatest breeding prospect ever sired by old Collynie.

The whole consignment numbers fifty head, 14 of which are bulls. A neat catalog giving full tabulated pedigrees for five generations is ready to mail and may be had by application to

### H. M. HILL, Lafontaine, Kan.

Sale to be held at Fredonia, Kan., Wednesday, April 10th, 1 p. m.  
Auctioneers: John D. Snyder, J. W. Sheets.

### 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

**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 7781 and Launial 12221. Cows large, plenty quality, represent best milking families. Also large type **POLAND CHINAS.** Pigs. Write or come.  
**CHAS. MORRISON & SON, Phillipsburg, Kan.**

**O. I. C. SWINE.**  
**O. I. C. Pigs** \$10.00 EACH. Harry Haynes, Meriden, Kan.

**EDGEWOOD O. I. C.'s** Fall pigs: bred sows and gilts. Priced to sell.  
**HENRY MURR, R. F. D. 5, TONGANOXIE, KAN.**

**MAPLE LEAF O. I. C.'s.** Best blood lines represented in this herd. Write, R. W. Gage, R. D. 5, Garnett, Kan.

**SUNNY SIDE O. I. C.'s.**  
 100 choice spring and fall pigs of both sexes. Can sell pairs and trios not related. Best of breeding, sired by Jackson Chief 2d, Kerr Garnett 2d, and Bode's Model. Priced right.  
**W. H. LYNCH, Reading, Kansas.**

**STAR HERD O. I. C.'s**  
 Breeding stock of various ages, either sex. Best breeding represented in this herd. Write your wants.  
**ANDREW KOSAR, Glasco, Kansas.**

**Prize Winners From Aristocratic Families**  
 Some fine gilts and sows, bred, for sale; also some very nice August pigs of both sexes. Boars of breeding age all sold.  
**Earnest L. Mear, Lamar, Mo.**

**NEEF'S O. I. C.'s.**  
**THE BIG EASY FEEDING KIND**  
 Spring boars all sold. Am offering a tried yearling boar, by O. K. Winner, and an aged herd boar, Perfection 2d, both of prize winning blood. Also have a fine string of spring gilts, either bred or open. A few bred sows and some choice summer and fall pigs, either sex. All stock priced worth the money and satisfaction guaranteed. Herd cholera immune, having vaccinated. **RIVERSIDE FARMS, JOHN H. NEEF, R. R. 3, Booneville, Mo.**

**THIS O. I. C. SOW WEIGHED 932 LBS. AT 23 MONTHS OLD**  
**IONIA GIRL**  
 I have started more breeders on the road to success than any man living. I have the largest and finest herd in the U.S. Every one an early developer, ready for the market at six months old. I want to place one hog in each community to advertise my herd. Write for my plan, "How to Make Money from Hogs." **G. S. BENJAMIN, R. F. D. 25, Portland, Mich.**

**LIVESTOCK AUCTIONEERS.**  
**W. C. CURPHEY,** SALINA, KAN. Dates claimed with me protected. Big farm sales anywhere desired.

**Thos. Darcey,** Professional Auctioneer 19 years' experience. Live Offerie, Kans. Stock and Real Estate.

**Sam W. Kidd** Livestock Auctioneer 409 Spruce Ave., K. C., Mo. Cattle Sales \$50. Hog Sales \$25.

**JOHN D. SNYDER** Howard, Kan. Auctioneer Pedigreed Live Stock a Specialty.

**Col. N. S. HOYT,** Mankato, Kansas, Livestock Auctioneer. Big Horse and other Stock Sales a specialty. Terms reasonable. Special service to breeders.

**Chas. E. Reeble,** Emporia, Kan. Pure Bred Live Stock and Real Estate Auctioneer. Speaks German. Write or wire for dates.

**JAS. W. SPARKS** Live Stock Auctioneer MARSHALL, MO.

**COL. RAY PAGE** FRIEND, NEB. Livestock Auctioneer. Write for Dates.

**FRANK J. ZAUN** FINE STOCK AUCTIONEER Independence, Mo. Bell Phone 675 Ind. "GET ZAUN. HE KNOWS HOW."

**LAFE BURGER** LIVE STOCK AND REAL ESTATE AUCTIONEER Wellington, - - - Kansas

**R. L. HARRIMAN** Live Stock Auctioneer, Bunceon, Mo. I devote my time and money to the advancement of the business. Write or wire me for open dates.

**Col. Oscar H. Boatman** Irving, Kansas Livestock Auctioneer Graduate American Auction School Write for Dates

a 17-months-old son of Black Lad 2d, an outstanding, thick, mellow calf of show yard character out of a dam by Blackset; Black Eston 2d, an 18-months-old son of Imp. Eston of Eshott, out of a dam by Imp. Black Jester of Ballindalloch. His sire is by Elandslaagte and he by Eblito, two of the greatest bulls ever in Scotland. This calf is as good as his pedigree. Black Lancer, another coming 2-year-old, by Black Lad 2d, is a good lined fellow with a fine top and an A 1 bull in every respect. Edwin Erica Ito, a Chieftain Trojan Erica, by a son of Prince Ito and out of an imported dam is a superior young bull and a very highly bred Erica. His sire, Prince Albert Ito, is at the head of the Stanley Pierce herd. Exclamation, by Black Lad 2d, a Blackbird topped Trojan Erica, is another toppy young bull and ready for service. His dam is Imp. Bola of Ruthven and one of the best in the Caldwell herd. The above will give the reader an idea of the high class line of breeding. The individuals are just as good. The females are of the same high character and are made doubly attractive by being in calf to the above named herd bulls. Watch for special mention of the females next week. The catalogs are now ready and will be sent upon application by mentioning this paper to either consignee, per advertisement elsewhere in this issue. Write for one now.

**The Fraser Shorthorn Sale.**  
 One of the best Shorthorn buying propositions of the year is offered breeders and farmers in the Adelaide B. Fraser sale to be held at the fine stock pavilion at the Kansas City stockyards, Thursday, April 11. This is the second annual sale from the Lawndale Stock Farm herd and it is a selected offering of tops. The cattle are all through the tuberculin test and are ready to go anywhere. The offering numbers 48 head, 47 females and one bull. The females are all bred to the two bulls, Scotch Goods and Silk Goods, and the herd bull, Scotch Goods, will sell. He is a superior individual and should go to head a top herd. The cattle have come through the winter in fine condition and will bring calves this spring and summer. The Fraser herd has made a reputation for practical money making Shorthorns—the kind that have stood the test. Individual merit and breeding worth were the first considerations in the building of this herd. Regardless of fads or fancies this herd has been producing the right type. 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—all but two are less than 4 years old. It is a sale of tops, the cream of the herd and not culls. It is a much better offering than was sold from this herd last fall and which gave such satisfaction. The cattle are offered at a time when buyers stand to profit most from the money invested. No better opportunity is offered than in this sale and now is the time to buy. Get the catalog and arrange to attend this sale. The cattle will please and they are sold on the best of terms. Write today, per advertisement elsewhere in this issue. Kindly mention this paper when making inquiry.

**Dooley's Big Boned Spotted Polands.**  
 Admirers of the old fashioned big boned, big spotted, prolific Poland Chinas, which were in such favor with the breeders of a few years ago and which, by virtue of their many desirable and practical qualities, have again come into strong favor with the farmer and breeder, should by all means inspect the herd or correspond with Edgar Dooley of Eterville, Mo. Mr. Dooley has been an admirer of the "Big Spots" for a long time. He gave them a thorough trial and they proved out for him. He went to the Homer Faulkner herd and selected a number of the tops for his foundation and today his herd, though not the largest in the country, is one of the very best of this type. Eterville Chief, a son of Brandywine, out of Daisy Belle by Clipper, and he by Moore's Choice, is a boar that is bred in the purple along the best spotted lines and he is siring an excellent lot of the right kind. Besides the Big Spots by this boar, Mr. Dooley has good litters by Budweiser and Brandywine. The spring litters on the Dooley farm, by the way one of the best naturally equipped hog breeding farms in the country, are out of sows by Clipper, Big Jim, Big King, Gates's Chief, Budweiser and Brandywine, all boars that have made records in furthering the interests of the big spotted Polands. Mr. Dooley spared neither time nor money in getting together a select herd. A few of the herd sows mentioned herewith will give an idea of what buyers will get in the way of breeding when buying from this herd. Spotted Lady, by Budweiser, and out of the dam of Brandywine, has a winter litter, by a son of Improved Wonder. She is bred for a May litter, to Eterville Chief, Bessie, by Jumbo King (a litter mate to Brandywine), has a litter by Improved, and a daughter of the grand champion, Pawnee Chief Hadley, has a litter by the herd boar. Mr. Dooley will sell only the tops of his produce and buyers may rest assured that they will get nothing but good stock when buying from him. He is booking orders now for spring pigs of either sex and is offering pairs and trios not akin. Look up the card advertisement of this breeder in this and subsequent issues and write him for prices and particulars of the stock offered. Kindly mention this paper when writing.

**Editorial News Notes.**

The 4-horsepower Cushman is the original Binder engine, now becoming so popular. It operates the twine binder and saves horse-flesh. The Cushman is a splendid type of an all-purpose engine, that is to say the type of engine the farmer is looking for. You can learn something valuable about the farm power question by writing for a free copy of the book offered in the Cushman ad. on page 8. Address Cushman Motor Works, 2030 N. St., Lincoln, Neb.

Wm. Pearson of Winnipeg is one of the greatest of the Canadian colonizers. He sells land in the Lost Mountain Valley country in Saskatchewan. There isn't any finer district in Canada. This is the part of Canada that the largest wheat yields are secured. Mr. Pearson is still selling unimproved land. Right now he has another proposition of special character that will appeal to many American farmers. He is selling "ready made" half-section farms that have 320 acres broken, seeded to crops, with house and barn on the farm, and ready to move into. It's worth looking up. Write for particulars in this proposition. Write about it. See ad on page 29. Address Wm.

**HAMPSHIRE.**  
**CLOVERDALE HERD.**  
**Are You Interested in the White Belt?**  
 I have a few registered Hampshire males ready for service and also a few sows and gilts bred.  
**T. W. LAVELOCK, PRINCETON, KANSAS.**

Special sale on March boars, 175 to 200 lbs. and weanling pigs, ready to go, if taken at once.  
**J. R. LAWSON,** Ravenwood, Missouri.

**HAMPSHIRE HOGS.** 30 tried and gilts bred for 8 Spring Farrow, including my SHOW HERD; Also Boars ready for service and spring pigs not akin.  
**C. W. WELLS, Altamont, Mo.**

**WRITE J. F. PRICE,** Medora, Kans. For prices on Pedigreed HAMPSHIRE HOGS. S. C. B. Leghorn eggs.

**DUROC-JERSEYS.**  
**DUROC-JERSEY BRED GILTS.**  
 Choice bred gilts, by King Wonder V and Klondike, out of sows by Mo. Wonder, Mc's Pride, Kant Be Beat, King Wonder V and others. They are bred to Klondike and King Wonder V. Priced to sell.  
**MARSHALL BROS., BURDEN, KANSAS.**

**BEAVER VALLEY HERD DUROCS.**  
 Boars and gilts sired by Grand Master Col. II 94903 (Grand Champion and sire of winners at Oklahoma State Fair, 1911), Defender's Col. 112297, Autocrat 94765 and Muncie Col. 113779. Satisfaction guaranteed.  
**W. A. WILLIAMS, MARLOW, OKLAHOMA.**

**Walnut Grove Breeding Farm** Pigs sired by B & C's Colonel 80587 and Buddy's Bud 111823. Write for particulars.  
**E. C. WATSON, ALTOONA, KANSAS.**

**Sunny Slope Farm Durocs** Choice breeding stock, from prize winners, for sale. Write your wants, satisfaction guaranteed.  
**EDMONSON BROS., Clinton, Oklahoma**

**Black Locust Herd Durocs.** Fashionable blood lines; either sex; young boars ready for service. Spring pigs at weaning time in pairs or trios unrelated.  
**D. D. WALKER, DILL, OKLA.**

**DUROC GILTS** Bred for May farrow. Priced worth the money if sold soon.  
**W. W. OTEY & SONS, WINFIELD, KAN.**  
 The Men with the Guarantee.

**SUNSET DUROCS.**  
 A good buy for you is a "Valley Chief Again" weanling, \$10.00 this month, express paid.  
**E. B. TILSON, CONCORDIA, KANSAS.**

**CLOVER DALE DUROCS**  
 A few boars left, March and April farrow, sired by Col's, Inventor and King's Col. at \$30 and \$25. Bred sows and gilts, \$25 to \$40. Also September pigs, either sex, \$10 to \$15.  
**L. T. SPELLMAN, R. F. D. 8, Paola, Kansas**

**BARGAINS IN BRED DUROCS**  
 A few choice Gilts of the best breeding, for sale at farmers' prices.  
**BONNIE VIEW FARM, BERRYTON, KAN.**  
 Eight miles southeast of Topeka.  
**SEARLE & COTTE, Proprietors**

**BUDDY K IV, and B. & C's COL.**  
 Boars and Gilts by these great sires and sows and gilts bred to B & C's Col. For sale at reasonable prices. For full particulars write  
**J. J. BAKER, INDEPENDENCE, KANSAS.**

**Fisher's Durocs** Herd boars, Graduate Col. 28279a, Crimson Prince 69527, Ruby's Chief 104417, King's Col. F. 8983. These boars are among the best in the state, and sows in herd bred equally as good. Describe what you want, stating price you wish to pay.  
**H. E. FISHER, Danville, Harper Co., Kansas.**

**Deep Creek Herd of Durocs**  
 Choice fall pigs mostly from dams of prize winning sires. A few bred gilts, and orders booked for Feb. and March pigs. Write for prices.  
**C. O. ANDERSON, Manhattan Kan.**

**Perfection Stock Farm** Choice Duroc March Boars, \$20 each, sired by Oklahoma King, Gold Wonder, Crimson Model and Muncie Col. Also a few good fall boars. They are priced to sell and to please or money returned.  
**GEO. M. CLASEN, UNION CITY, OKLA.**

**Saline Valley Stock Farm**  
 Am booking orders for spring pigs, either sex; also a few choice fall boars and gilts. Pairs and trios not related.  
**J. LEE DUNN, RUSSELL, KANSAS.**

**Ticer's Durocs** Am offering a few good young Valley B. and E. & C's Col. boars, worth the money; also a few bred sows. Will book orders for spring pigs.  
**C. L. TICER, HARRAH, OKLAHOMA.**

**BANCROFT'S DUROCS** We hold no public sales. Nothing but the best offered as breeding stock. Spring boars, gilts bred to order or open. Choelet Sept. pigs, either sex. Pairs and Trios not akin. Prices right. Customers in six states satisfied. Describe what you want, we have it.  
**D. O. BANCROFT, Osborne, Kans.**

**A WONDER—THE 1200 POUND POLAND CHINA.**  
 I am now ready to book orders for spring pigs, both boar and sow pigs, sired by A Wonder 107353 and out of sows that weigh from 700 to 800 pounds. Also pigs sired by Big Joe 62174, all out of A Wonder dams. Pigs to be shipped at about 3 months old. Will have twelve February litters, balance in March. Get order in early and have pick of the herd.—H. Feschenmeyer, Clarinda, Iowa.

**SPRING PIGS** I am now booking orders for Spring Pigs, either sex, sired by Captain Hutch, King Hadley 2d, Hutch Jr., Mow's Longfellow Price, Panorambar and A Wonder out of Long King's Equal sows and sows of the best big type breeding and immense individuals in size and quality. Order early and get first choice. Pigs shipped at three months old. Nothing but first class stuff shipped. Send for private sale catalog and prices. In buying at this age you save enormous express charges.  
**"THE HOME OF CAPTAIN HUTCH." C. W. JONES, SOLOMON, KANSAS.**

**POLAND CHINAS.**  
 Poland China Queens at a Sacrifice. Herd sows and gilts bred to Giant Monarch, the 800 lb. yearling, for Mar. and Apr. farrow. Monarch is for sale.  
**W. C. MILLIGAN, CLAY CENTER, KAN.**

**ELKMORE FARM'S POLAND CHINAS.**  
 The best of breeding stock of various fashionable Poland China blood lines. Both sexes. Write your wants. Our herd is large. We can please you. Address  
**CHAS. JOHNSON, HOWARD, KANSAS.**

**Poland Chinas** Select Young Boars. Gilts Bred or Open. Priced Right. Call or Address **H. L. BROOKS, Larned, Kansas.**

**Mt. Tabor Herd Polands**  
 20 big, growthy gilts, of last spring farrow, bred to farrow in March and April, for sale. Some for May farrow. Priced right. 35 last fall pigs singly or in pairs. Not related. Address  
**J. D. WILLFOUNG, ZEANDALE, KANSAS.**

**CHOICE SUMMER BOARS**  
 large enough for service; also fall pigs. PAIRS AND TRIOS NOT AKIN. Sired by M. M.'s Corrector, Ironquill, Kansas Victor, Elephantonk and Jumbo.  
**JOE SCHNEIDER, NORTONVILLE, KAN.**

**Jones' Big Type,** big litters, big Chinas. Booking orders for gilts bred to 1000 pound boars. 600 to 900 pound dams. Send for catalog.  
**A. D. JONES, Dunlap, Iowa.**

**Welch's Big Type Polands** Large, growthy, good boars and gilts. A great bargain, also, in our herd boar by Progression. Write for particulars.  
**L. H. WELCH, GARFIELD, KANSAS.**

**Manderscheid's Polands.**  
 Fashionable blood lines. High-class individuals. Spring or fall boars; gilts, bred or open. Priced reasonable. Descriptions guaranteed. Write today.  
**E. J. MANDERSCHIED, St. John, Kansas.**

**FOR SALE** Poland China Pigs of fall farrow, either sex. S. C. Black Minorea eggs for setting, from \$1.50 to \$2.00 per setting. India Runner Duck eggs \$1.00 per setting.  
**W. F. FULTON, WATERVILLE, KANSAS.**

**DOOLEY'S BIG SPOTTED POLAND CHINAS**  
 Herd headed by Eterville Chief by Brandywine. Herd sows selected from tops Faulkner's herd. Booking orders now for spring pigs by Eterville Chief, Budweiser, Brandywine. They will please, are priced right.  
**Edgar Dooley, Eterville, Mo.**

**Longview Polands**  
 Herd Headed by **VICTOR CHIEF, YOUNG MASTIFF, LONGVIEW KING.**  
 Breeding stock for sale at all times. Just now I am offering an extra choice lot of gilts, bred for spring farrow. Write or come and see me.  
**D. M. GREGG, HARRISONVILLE, MO.**

**Dean's Mastodon Polands**  
 Poland China hogs, the big-boned type, will weigh when mature, 800 to 1,000 lbs. Bred sows all sold. Will sell a few boars of serviceable age, also choice fall pigs, either sex. All  
**Immunized by Double Treatment**  
 Herd headed by Mastodon Price, Columbia Wonder and Gritter's Longfellow 3d. Everything guaranteed and sold worth the money. Address  
**CLARENCE DEAN, WESTON, MISSOURI**

**Poland Chinas**  
 Bred sows at private sale. Also fall and spring boars. Sows bred to Tom Lipton, Welcomer, Iron Clad 2d and others. Priced right. Ask for prices and descriptions.  
**JOSEPH M. BAIER, ELMO, KANSAS.**

**Mammoth Poland Chinas**  
 My herd boars weigh from 800 to 1,000 lbs. Am now ready to ship 200 of the big, easy feeding, quick maturing kind. Tried boars and sows, last fall boars and sows, and spring pigs of both sexes. My terms are: If you are not satisfied return the hog, and I return your money.  
**F. P. ROBINSON, MARYVILLE, MISSOURI**

**"Green Lawn Poland Chinas"**  
 We are offering two herd boars, strictly high class and all right. **Big Spot** (one of the three great herd hogs); **Young Hadley** (by Big Hadley). Also a few of my herd sows.  
 Do you want a good farm? If so write us.  
**A. J. ERHART & SONS, ADRIAN, MO.**

SHORTHORNS.

Milk and Beef Combination. Hornless Shorthorn Cattle, Oxford Down Sheep, Bourbon Red Turkeys. J. H. WALKER, LATHROP, MO.

Johnston's Shorthorns Shorthorn Cattle and Duroc-Jersey Pigs all ages and sexes. Also two young jacks for sale. T. F. JOHNSTON, GARFIELD, KANSAS.

SHORTHORN CATTLE POLAND CHINA SWINE and CLEVELAND BAY HORSES. All stock pedigreed. Prices reasonable. Thos. B. Murphy & Sons, Corbin, Ks.

Valley View Shorthorn Cattle

25 cows and heifers bred to Orange Major 264704, 10 bulls of different ages sired by Major of Valley View 266325. Prices right. Breeding and individuals right. Address ADAM H. ANDREW, GIRARD, KANSAS.

SCOTCH AND SCOTCH TOPS.

TEN BULLS 10 TO 18 MONTHS OLD. ALSO SOME GOOD COWS AND HEIFERS. S. B. AMCOATS, CLAY CENTER, KAN.

White's Shorthorns

Come and see some good young bulls. Desirable breeding and quality. Will also sell some heifers and cows. Come see the cattle and get prices. C. H. WHITE, Burlington, Kansas

Shorthorn Bulls

A few choice bull calves, sired by my noted herd bull Double Champion, by Choice Goods and out of the dam of Ruberta. Farm adjoins town. Address ED GREEN, HOWARD, KANSAS.

Pearl Herd of Shorthorns

I have a select bunch of young bulls from six to 20 months-old, well bred, well grown and the making of good useful animals. They are both reds and roans. Will sell singly or in carload lots. Can ship via C. R. I. & P., A. T. & S. F., U. P., and Mo. Pac. Address C. W. TAYLOR, R. R. No. 2, Enterprise, Kansas.

DAIRY CATTLE.

Dutch Belted and Holstein male and female calves for sale from exceptionally good milkers. Springdale Stock Ranch, Concordia, Kan.

HOLSTEINS - CHOICE BULL CALVES. H. B. COWLES, TOPEKA, KANSAS.

LINSCOTT JERSEYS ONLY REGISTER OF MERIT HERD IN KANSAS. Offers at moderate prices a few heifers, open and bred; a few tested cows; bulls of serviceable age out of tested cows. E. J. LINSCOTT, HOLTON, KANSAS

Holsteins For Sale

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 Dxford's Masterpiece, a son of Oxford Lad; Dxford's Brigadier, a son of Gamboge 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.

Five Registered Guernsey Bulls For Sale

Combining blood of A.R.O. sires, Raymond of the Prael, Glenwood Boy of Haddon, Imp. Vilette Prince. Fine individuals 6 to 14 mo., fashionable breeding and markings, every one fit to head herd of registered pure bloods. First check in for \$100 gets choice and age. Ship on approval, satisfaction guaranteed. Prices f.o.b. Kans. City. T. C. BRADLEY, Pres. Admiral Hay Press Co., Breeder and Owner, KANSAS CITY, MO.

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.

Pearson Land Company, Winnipeg, Can. Say you saw the Pearson advertising in Farmers Mail and Breeze.

"How to Build for Less Money."

This is the title of a booklet that every reader of this publication should see. It is written by Mr. Wilbur D. Nesbit and gives valuable information to every owner or prospective owner of a home, barn or chickens. The price of this booklet is 10c a copy, but the General Roofing Company, East St. Louis, Ill., has printed a limited edition which they will supply to our readers free of all cost. Send a postal today. Address Dept. AL-X, General Roofing Company, East St. Louis, Ill.

A Wonderful Hay-Baling Outfit.

The Sandwich Mfg. Co. have long been known as leaders in the making of hay baling machinery. They have built hay presses for many years, but the most remarkable press that they have designed is their new motor press, a combination, big capacity, solid-steel hay press and high class gasoline engine, all mounted on the same platform. This outfit, although very compact, is capable of baling as high as 3 1/2 tons per hour. And it utilizes the cheapest of all power-gasoline. Since the engine stands on the platform with the press, no time is lost in setting up the apparatus for the job. No need of lining up or setting up the engine at all. The outfit is easily moved from place to place. The press feeds direct from the fork, having no condenser box, and requiring no dangerous foot tamping. The engine is of the hopper cooled type, requiring little water. It comes completely equipped. The entire outfit is up to date, and of the very highest quality throughout. With hay at its present price, any live man with a Sandwich Motor Press ought to be able to clean up a lot of money. Baled hay is shipped all over the world, and there is a good market for it. Farmers realize this, and for that reason most all of them want their hay baled, and are willing to pay a good price for the work. So that a man can not only bale his own hay, but he can keep busy several months in the year baling hay for others and ought to be able to make on an average of \$10.00 to \$15.00 clean profit every day he works. While the Sandwich Mfg. Co. call special attention to their motor press it should be remembered that they make presses of all types and sizes. They make power-driven presses, horse-power presses, wood frame presses, etc. If you want to get into a good money-making business we would advise you to write to the Sandwich Mfg. Co., 14 Main St., Sandwich, Illinois, and get their prices on Motor presses and their styles of Hay Presses.

Are School Teachers Ignorant?

Editor Mail and Breeze--In your issue of December 2, you head an editorial, "Are Kansas Teachers Ignorant?" and go on to say that you will have to be "shown" before you will believe that the condition, as given in the clipping you publish, exists. Emerson said, "Wise men change their minds; fools never," and it is lucky that he did not live in the present generation, else he might have been tempted to say, "A teacher never changes his mind; because he hasn't any," which would have been unjust judgment on hundreds of instructors. I have before me a motley collection of letters and papers and one of these is a tiny slip on which are characters rivaling ancient hieroglyphics and among which when translated, or deciphered, as you please, is "Wheight." Marvelous! Just think of the wonderful ingenuity that controlled the master mind which produced such a word. But what is it anyway? From the context of the page we decide that in plain American it would be "weight." And the background you see the high school standing, pointing out the originator as one of her brightest sons. Again we choose a letter and read, "The roads are becoming somewhat descent." Divide into syllables, Mr. Editor, and note the odor that is wafted to your nostrils. And again, we select a brief business communication; typewritten. It catches our eye and we find the sentence, "We hope they have reached you e'er this" with the apostrophe inserted in ink. Translated according to standard rules of punctuation we are held enraptured with the sense (?) of the sentence. Try it, and enjoy the pleasing sensation. And this last is from a prominent school man of Topeka, the others, without exception being the work of experienced teachers who have enjoyed the privileges of the high school. With all this array of knowledge we feel that the brother teacher who said publicly, "I'd rather have a few more scholars, 'not far amiss." Then we pick a letter from another one who has been a home student and who has a high grade of certificate secured through that means--and effortless we turn it over and over, and rejoice that there are young people in Kansas who have the stamina to overcome the "difficulties" of the hill of "no opportunity" and to get the fundamentals which their educated co-workers did not consider worthy of notice. Now, Mr. Editor, take advantage of excursion rates and visit the common schools of "the glorious state of Kansas" and a trip to our much berated eastern neighbor will be all unnecessary. JUST A. PLUG.

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 Topeka-Freek 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.

HEREFORDS.

LOUCST GROVE HEREFORDS. Extra good young bulls from 12 to 28 months old (herd header quality), sired by such sires as Polled King 3rd 251120, 96, and Quincy 2d 207075. Come and see them or write R. F. PLUMMER & SON, Wellington, Kan.

HEREFORDS

Sixty Bulls. All Ages. Carl Miller, Belvue, Kan.

HEREFORD BULLS

Carload coming 2-year-old and 75 strong yearlings, the best bunch I ever had to sell. Prices right. SAML. DRYBREAD, Elk City, Kan.

POLLED DURHAMS.

Polled Durham Bulls

Six well bred young bulls and a limited number of cows and heifers for sale. C. M. HOWARD, HAMMOND, KANSAS.

Woods Polled Durhams

Roan Herd Bulls and Heifers for Sale. Three bulls from 12 to 22 months old, a Mina, a Brawth Bud and a Necklace, two roans and a white of top quality and ready for service. Also a few choice yearling and two-year-old heifers. These will be priced right for quick sale. Come and see or write C. J. WOODS, CHILES, 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.

40 HEAD BLACK MAMMOTH JACKS AND JENNETS.

Well bred, big boned good individuals. Jacks and prices are both right. J. H. SMITH, KINGFISHER, OKLAHOMA.

25 Mammoth Jacks, ALL AGES

registered and guaranteed. Some Kansas prize winners. Herd headed by Pharoah 2491, champion at Tennessee in 1910. H. T. HINEMAN Dighton, Kan.

Al. E. Smith's Stock Farm

75 Reg. black Mammoth Jacks and Jennets, 15 to 16 hands. Some good Percheron Stallions. More good big-boned high-class Jacks and Jennets than you will find in any one barn. Forty miles west of Kansas City. Al. E. Smith, R. 1, Lawrence, Kan.

JACKS AND SADDLE STALLIONS

100 registered Kentucky Mammoth Jacks and saddle stallions. A big lot of Jennets, saddle mares and geldings. A few good walking horses, pacing and trotting stallions. Also big black pigs, Tamworth and Hampshire swine. Cook pays the freight on Jacks. J. F. COOK & CO., Lexington, - Kentucky

Jacks and Percherons.

If you are in the market for an Extra Good Black Registered Jack, Good enough to head a herd of Jennets, or a load of good ones, I have them. Also some Percherons. Catalogue Jan. 1st. G. M. SCOTT, REA, MO.

Biggest Jack Offering Ever Made

90 Day sale on 55 head of extra big registered Mammoth Jacks at 90 per cent of their value, priced from \$250 to \$1250 each. I am importing 200 Percheron and Belgian mares and 80 stallions and must close out a lot of Jacks to get money and make room. Write for catalogue, photograph, description and price list. W. L. DeClerk, Cedar Rapids Stock Farm, Cedar Rapids, Ia

JACKS AND JENNETS.

6-JACKS-6 From 3 to 7 years old, for sale very low. We raise them. W. H. BAYLESS, Blue Mound, Linn Co., Kansas.

Cloverdale Farm

Breeders of Jacks and Percheron horses. Twenty three and four year old Jacks, fifteen stallions. Some nice Percheron yearlings, mares, colts and Tamworth swine. All stock registered or subject to register. We would be glad to have you visit our farm, or write for circulars. H. T. BROWN & COMPANY, LEXINGTON, KENTUCKY.

50 JACKS & JENNETS

Ranging in ages from coming 3 to 8 years old. A fine lot of Mammoth Jacks to select from. Don't wait but call or write. Address PHILIP WALKER, Moline, Elk Co., Kansas.

THE KENTUCKY JACK FARM

Established, 1884 Breeder of registered mammoth Kentucky Jacks and Jennets--big bone; plenty weight. Forty head of three and four year old Jacks; also young stock for sale. Would be pleased to have you visit my farm for inspection or write for prices. I guarantee to please you. JOE. E. WRIGHT, JUNCTION CITY, KENTUCKY.

M. H. Roller & Son

Breeders of Registered Jacks and Jennets, offer for sale 11 Jacks from 1 to 8 years old, 15 Jennets 3 to 10 years old, one imported Percheron Stallion and one grade Belgian stallion. Black Langsham chickens. Eggs in season. Address M. H. ROLLER & SON, Circleville, Jackson Co., Kan.

PUREBRED HORSES.

FOR SALE. My imported German Coach horse; sure breeder; 11 years old; weight 1,650. Will sell cheap; reasons for selling. JOHN FUHRKEN, Denton, Kan.

At Riverside Stock Farm

A few large young registered Percheron stallions 2, 3 and 5 yrs. old, a colt coming three that weighs 1,900 lbs.; one colt coming 2 weighs 1,700 lbs. A few large mammoth black Jacks. One car of 3 and 4-yr-old mules and one Shetland stud. Pedigrees and warranties given. O. L. THISLER & SONS, CHAPMAN, KAN.

QUALITY, SIZE and ACTION

should be the principal factor in the DRAFT HORSE. WE HAVE IT ALL IN OUR PERCHERONS AND BELGIAN STALLIONS and MARES. We sell the best of them from \$350 up to \$800 and \$1,000. J. M. NOLAN, Paola, Kan.

PERCHERONS BELGIANS SHIRES

ONE OF THE OLDEST AND LARGEST IMPORTERS IN AMERICA Our horses are big, smooth, flat-boned fellows, with great quality style and conformation. Will please the most critical. Prices reasonable. Satisfaction guaranteed. Letters from hundreds of satisfied customers and big illustrated catalog mailed free. Watson, Woods Bros. & Kelly Co. LINCOLN, NEB.

IMPORTED PERCHERON STALLIONS

Our sales have been very regular this winter, and there is a good demand at present for the right kind of imported Percherons. We have yet on hand 20 head of big ton stallions, in ages from 3 to 5, that are of the very choicest type, and ready for the coming spring's service. We wish to close out all we have at this barn within the next six weeks, and are giving special low prices. PERCHERON IMPORTING CO., South St. Joseph, Mo.

18 Kentucky Mammoth Jacks

We will have to arrive on the 2nd day of April, 18 head of Kentucky Mammoth Jacks, from 2 to 5 year olds, from 15 to 16 hands high, with plenty of bone and weight. We have 20 head of Percheron Stallions and Mares of all ages. Write for prices and descriptions and visit us before you buy. City office, 136 N. Market St. Farm and sale barn on 21st St., 1 mile east of Wichita Union Stock Yards. Long distance phone, Market 2987; farm, Market 4035-X. J. C. Kerr & Co., Wichita, Kan.

**PURE BRED HORSES.**

**The Best Imported Horses** One thousand each. Home-bred registered draft stallions—\$250 to \$650 at my stable door. **A. LATIMER WILSON, CRESTON, IOWA.**

**Home-Bred Draft Stallions** \$250 to \$600; imported stallions—your choice, \$1,000. **F. L. STREAM, Creston, Iowa.**

**BELGIAN and PERCHERON** stallions and mares. The best. Come or Write. **BLUE VALLEY STOCK FARM, Blue Mound, Linn County, Kansas.**

**FOR SALE**

at all times, Percheron and German Coach Stallions, and good Jacks, among them one Imported Spanish Jack, a large one. My prices are right. **M. C. CORLEY, ANTHONY, KANSAS.**

**7 Registered Percheron Stallions**

1 5-yr.-old black; 1 4-yr. dapple grey; 1 3-yr. dapple grey. These are splendid servers and sure foal getters. 2 blacks, coming two; two weanlings, priced singly or \$4,000 for the bunch. All good colors, with size. There is a difference between the producer's price and the price speculators sell stallions for. All guaranteed. This is a snap, and they are going to sell. **GEO. W. SCHWAB, CLAY CENTER, NEB.**



**Greatest Offering in Stallions!**

60 big boned heavy Percheron, Belgian and "Boulonnais" stallions, acclimated and ready for heavy service at half their value. 2,000 to 2,400 lbs. Write for information and catalog. **W. L. DeCLOW, CEDAR RAPIDS, IOWA.**

**RHEA BROS. ACCLIMATED PERCHERONS**

We have a fine lot of stallions for this season's trade. They have the size and bone so much in demand today. Have two-year-olds that weigh over 1,900 pounds now. We sell them at living prices. Can furnish life insurance if desired, at cost. Write for prices, pictures, or any information you may want, or better still come and see us. On the main line of the C. & N. W. R. R. 28 mi. N. W. of Omaha, 8 mi. east of Fremont and 55 mi. N. of Lincoln. Either Phone T. 33.

**RHEA BROS. ARLINGTON, NEBRASKA**

**Bergner & Sons' Coach Horses**

**65 HEAD**  **65 HEAD**

What do you know about the Coach Horse? Do you want to know more about the Coach Horse?

**German Coach Horses** are the best general purpose horse for the farmer. They have size, beauty, action, endurance and intelligence and mature early. They stand gracefully both hardships of usage and climate. Many a farmer does not know what a great farm horse the coach horse really is. Let us tell you more about him and you will want him. We are offering young stallions and fillies, also mares in foal to the imported Oldenburg Coach Stallion Mephistoles 4221. Call on or write, **J. C. Bergner & Sons, "Waldeck Ranche," Pratt, Kan.**

**REGISTERED BAY PERCHERONS**

**40 HEAD** All Registered in Percheron Society of America. Stallions, Brood Mares, Fillies and Colts. Sale barns in town. Call on or write. **Dr. J. T. AXTELL, Newton, Kan.**

**W. A. LANG & CO. GREELEY, IOWA**



Importers of **Belgian and Percheron Stallions and Mares**

Last importation arrived Oct. 9, 1911. Stables filled with horses of extreme weight and heavy bone, ages from two to five years. All horses fully guaranteed. We buy nothing but first class sound horses. We handle no American bred horses. We deal only in imported horses whose pedigrees are all certified to by the Dept. of Agriculture. Write for full particulars and handsome calendar.

**W. A. Lang & Co., Greeley, Iowa**

**Mule-Foot Hogs and Cholera**

BY T. R. WRIGHT, Kansas Agricultural College.

A reader of Farmers Mail and Breeze wishes to know if the mule-footed hog is cholera proof. Mule-footed hogs are widely distributed over the United States. The claim that mule-footed hogs are immune from cholera is often made by breeders of this class of hogs. The Indiana Experiment station, some years ago, conducted an experiment in which mule-footed hogs were compared with split-footed hogs as to their susceptibility to cholera. This trial is reported in Bulletin No. 140 of that station. The conclusion drawn from that bulletin is as follows:

Four purebred mule-foot hogs and four hogs of mixed breeding, averaging about 40 pounds in weight, were used in making the test. The hogs were exposed in the natural way, by turning them into an infected pen in which hogs having acute cholera had died. All of the mule-foot hogs contracted the disease, three developing the acute, and one the chronic form. Three became fatally ill and the fourth recovered after several weeks. Three of the hogs of mixed breeding sickened and died or were killed, and the fourth showed no symptoms of disease.

The mule-footed hog is not very widely distributed in this state. Some breeders claim that they have resisted cholera when they were exposed to infection and other breeders say that they were the first to take the disease. I am informed by the bureau of animal industry, at Washington, D. C., that the department has not tested the immunity of this breed of hogs. In short, I can see no reason why the solid hoof should give immunity from hog cholera. **Manhattan, Kan.**

**Good Silage Safe For Sheep**

PROF. SMITH'S OPINION.

In our recent silo issue there appeared an account of Robert Blastock's experience in feeding silage to sheep and Prof. Wheeler's reply. Mr. Blastock lost 10 ewes and 20 lambs during his first year of silage feeding. The symptoms in all cases were the same. The sick animals moved about in a circle and appeared to be affected in the head, much the same as though they had "gid" or "grub in the head." The question was referred to Prof. H. R. Smith, head of the animal husbandry department of Minnesota Agricultural college, at the same time it was submitted to Prof. Wheeler and the following is Prof. Smith's reply:

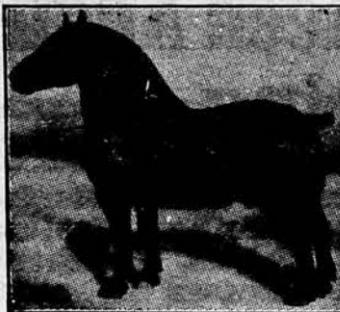
The difficulty may be safely attributed to the feeding of silage which in all probability was slightly molded. The fact that the sheep moved in a circle is almost certain proof that this was the trouble as a large number of sheep breeders have reported the same thing in connection with the feeding of bad silage. If corn silage is free from mold there is practically no danger of this kind. I am wondering if your silo was filled after the corn became over-ripe so that it would not pack. A great deal of care has to be used in feeding silage to sheep as the presence of mold is dangerous. A good quality of silage, however, is a most excellent feed for sheep.

**Recent Farm Bulletins**

Any of the bulletins named may be obtained free by writing to the experiment stations at the addresses given. Government bulletins also are free and may be had by writing to the Secretary of Agriculture, Washington, D. C. In writing for the bulletins of another state than the one in which you live, it is customary to enclose a 2-cent stamp.

- The Maintenance Ration of Cattle (No. 111), by Henry P. Armsby, Pennsylvania State College, State College, Pa.
- Tuberculosis (No. 473).—U. S. Department of Agriculture, Washington, D. C.
- The Control of Insects and Diseases Affecting Horticultural Crops (No. 110).—Pennsylvania State College, State College, Pa.
- How to Use the Babcock Test (No. 27), by J. L. Sammis.—Illinois Experiment Station, Urbana, Ill.
- Frames in Truck Growing (No. 460), by W. R. Beattie, U. S. Department of Agriculture, Washington, D. C.
- Growing Hogs in Nebraska (No. 121), by T. P. Snyder.—Nebraska Experiment Station, Lincoln, Neb.
- Fruit Bud Formation (No. 153), by E. S. Pickett.—New Hampshire Experiment Station, Durham, N. H.
- Winter Emmer (No. 466), by M. A. Carleton.—U. S. Department of Agriculture, Washington, D. C.
- Trussing and Boning Chicken for Fancy Trade (No. 125), by W. A. Lippincott.—Iowa Experiment Station, Ames, Ia.
- The Study of Farm Equipment in Ohio (No. 212), by L. W. Ellis.—U. S. Department of Agriculture, Washington, D. C.
- A Method of Budding the Walnut (No. 16), by E. J. Kraus.—Oregon Experiment Station, Corvallis, Ore.
- Preliminary Frost Fighting Studies in the Rogue River Valley (No. 110), by C. I. Lewis and F. R. Brown.—Oregon Experiment Station, Corvallis, Ore.
- Ice Houses For the Farm (No. 475).—U. S. Department of Agriculture, Washington, D. C.

**North-Robinson-Dean Percherons**



Our barns are full of good ones. Imported and American Bred Percherons, Belgians and Shires from 2 to 5 years old, that weigh from 1500 to 2400 lbs. A fine bunch of 2 to 4 year old, pasture raised. The kind that give satisfaction.

We have some bargains in Mares. If you want your money's worth come and see us. Large calendar sent free.

**North-Robinson-Dean Co., Grand Island and Bridgeport, Nebraska**

**WOLF BROS.' Imported Percheron and Royal Belgian Stallions and Mares**

In making the selection of our 1911-12 stock of Percheron and Royal Belgian stallions and mares, we spared no effort to obtain the quality, bone, action and size, this combined with the best blood strains that could be found. We are in a position to offer to the public the best that money can buy, at prices that appeal to everyone. They are here to sell. Come and see them and be convinced.



**Wolf Bros., Albion, Nebr.**

**STALLIONS**

Yes, stallion price cutter, that's what they call me, and I am proud of the title. I want to place one or more of my stallions or mares in every township, and I now have 60 head, another importation to be here this month, and I am going to slice prices on a grand scale. I will give the best of terms, and a cash guarantee. All my horses are registered in books approved by the government.

I want you to look at others' horses before you come and then it is up to me to make good to you what I say.

Remember if you come and look at my horses and don't say the price is right, considering quality, I will pay your expenses. Come and see me and I will assure you a bargain. Drop me a card when coming, and I will meet you at the train.

**L. R. WILEY, EMPORIA, KANSAS**

**STALLIONS AND MARES**

Imported Percherons and Belgians

I have for sale at reasonable prices an importation of Percheron and Belgian Stallions and Mares, which I am confident will meet the demands of buyers, both in quality and price. Each stallion and mare was bought by me, personally, and I can guarantee them in every way. I have been located in Emporia 24 years. My references are any bank or business house in the city. A gilt edged guarantee given with every horse. Any one contemplating buying will do well to see these stallions before making their purchases. Visit my barns or write for particulars. Barns 4 blocks from Santa Fe depot.

**W. H. RICHARDS**

EMPORIA, LYON COUNTY, KANSAS.

**ROBISON'S PERCHERONS**

For Sale at greatly reduced prices to close Season's business. Twenty-five good young registered Stallions. **J. C. ROBISON, - TOWANDA, KANSAS.**

**50—PERCHERON STALLIONS AND MARES—50**

Bishop Brothers have 25 big boned stallions that weigh 1,700 to 2,100 pounds that they can and will sell for less money than any firm in the business, quality considered. Write us what you want. **BISHOP BROS., TOWANDA, KAN.**

**One Thousand up to Twelve Hundred Pound Jacks.**

Yearlings that are Fifteen Hands High. Fifty Jacks and Jennets for sale of the best breeding. No other kind has a stopping place at **Prairie View Jack Farm.** \$500 will buy a better Jack than \$1000 will at many Jack farms. We sell Jacks everywhere. We want to sell you one. **ED. BOEN, Lawton, Mo., 25 miles N. E. of Kansas City.**



**20 Mammoth Jacks For Sale**

from 2 to 5 years. Big boned big black Jacks with white points. No better bred ones in the country. Several of them are prize winners. Been breeding Jacks for 30 years. We make good our guarantee. Mention this paper and write or come to

**Deierling & Otto, Schuyler Co., Queen City, Mo.** On Des Moines line of Wabash railway.

**THE ANDREWS-CALDWELL  
Select Aberdeen Angus  
Offering**

<b>44 HEAD</b>	<b>33 Females, 11 Bulls—Blackbirds, Queen Mothers, Trojan Ericas, K. Prides, Heatherblooms, Duchesses in sale</b>
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**Maryville, Mo., Tuesday, April 9**

**AN OFFERING UNEQUALED 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 sons 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.

**Ninth Poland China Sale  
of the South Mound Herd**

**South Mound, Kansas, Saturday, April 20**

**FIFTY HEAD**

**Every one but two are young sows of the first breeding.**

All bred to B. Wonder, the first prize winner at the American Royal in 1911. We have reserved the breeding privilege of Orphan Chief before he goes to his new home.

**South Mound Breeding Farm Produced This Offering**

**This is Why We Place Our Own Liberal Guarantee On What We Sell.**

1. We consider this as good an offering as we ever sold. It is so because they are all young and useful.
2. We are proud of this lot because we bred them on the farm and they are getting along to our ideal of good ones.
3. They are bred to two as good males as are owned in any herd. One we have used for three years. The other one we almost bred and he is sired by the best bred boar known to the breed. He was the first prize winner at the American Royal in very hot competition.

Our catalogs are out and we would be glad to send you one if you will just drop us a card with your address on it. We are always glad to meet the old customers and want to get acquainted with as many new ones as possible.

**Roy Johnston, South Mound, Kan.**

Auctioneers—Jas. W. Sparks, Frank J. Zaun and C. F. Beard. Ed. R. Dorsey, Fieldman. If you can't attend the sale send your bids to him or to auctioneers.

**MRS. ADELAIDE B. FRASER'S  
SECOND ANNUAL  
Shorthorn Cattle 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.**

48 HEAD, the cream of the herd—47 females, 11 calves and one bull. The females are all bred to either Scotch Goods 340613 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 have 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 culls. 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, Manager,  
222 Argyle Bldg., KANSAS CITY, MO.**

Cols. George P. Bellows, Sam W. Kidd and Andy James, Auctioneers.

**Poland China Sale**

**Alfalfa Glen Stock Farm**

**Geary, Oklahoma, Tuesday, April 9th**

**50 Head {40 Bred Sows and Gilts} 50 Head  
10 Spring & Fall Boars**

**THIS HERD WON AT THE LEADING FAIRS OF 1911. 86 PREMIUMS.  
COME AND GET SOME OF THIS PRIZE-WINNING BLOOD.**

This offering is sired by such boars as the Grand Champion Mischief Prince, the Champion Perfection Meddler, and Spangler's Hadley 2d. The sows and gilts are safe in pig to the Grand Champion, Field Marshall, Junior Champion Dr. Meddler, and the Reliance. Included in this offering are 10 or 12 head carrying the most approved large type blood lines. The boars include a few herd header prospects. Some are out of the Grand Champion Sow Meadow Brooks, one is by Mischief Prince, and out of Mischief Maid.

We have them for farmer and breeder as well. All are invited. Catalogs are now ready; you will find it interesting to read. Drop a card for one today, mention Farmers Mail and Breeze. Address

**A. B. CAMPBELL, Geary, Okla.**

Auctioneers: Col. O. C. Allen, Col. Fred Groff, Col. W. H. Oler.

**PUBLIC SALE!**

I will sell the following stock at Public Auction at my farm, adjoining

**Blue Rapids, Kan., Thursday, April 4th**

**HOGS**—55 head of Registered Duroc-Jerseys, consisting of 52 bred sows and 3 boars. These hogs are of the best blood lines of the breed. They were brought from Northeastern Nebraska last spring, right from the neighborhood where bred sow sales have averaged around \$100 this winter. Conspicuous in the pedigree is Monarch 28395, and there are a number of his granddaughters. The Monarch stood the highest of any boar in America the year of the World's Fair at St. Louis, and his dam was a litter sister to Ohio Chief, the greatest boar of the breed ever produced. There are also a number of granddaughters of Drednought 18229A, which sold at public auction for the highest figure of any hog of any breed—\$7,200. This will afford breeders in this part of Kansas an opportunity to infuse some new and fresh blood into their herds. It is the opportunity of the season to procure the very best strains of Durocs that have been fed right for future results. Besides the above registered Durocs, there will be about 80 head of stock hogs, including 10 Poland China sows, registered and eligible.

**STALLION**—There will be sold a young stallion bred by M. Callu, France, foaled May 20, 1909, imported last August by McLaughlin Bros. of Columbus, Ohio. He weighs around 1,900 lbs. now, and I think will make a 2,200 lb. horse when matured. He is, I believe, the best young stallion in Kansas today.

**E. R. Morgan, Blue Rapids, Kan.**

Auctioneers—Col. H. S. Duncan of Clearfield, Iowa, and Col. T. E. Gordon of Waterville, Kan.

# BIG BARGAINS IN REAL ESTATE

Dealers whose ads appear in this paper are thoroughly reliable and bargains worthy of consideration.

**320 A.** 100 good alfalfa land, 160 natural hay land. Near station \$30.00 per a., terms. Moore & Falls, Liberal, Kan.

**WHEAT LAND** \$7 to \$10 per a. Descriptions and state map, with views, free upon application. Clement L. Wilson, Tribune, Ks.

**BEST IMPROVED farms** and best ranch propositions in Comanche Co., Kan., for sale at lowest prices. Call or write for particulars. Testerman Land Co., Wilmore, Kan.

**NOTHING** pays better than an investment in our "Great Arkansas Valley Irrigated Lands." We have just what you are looking for. Write W. L. Van Horn & Co., Garden City, Kan., for particulars.

**CASH SNAP**—Fine smooth quarter five miles town, three blocks school, big improvements, good water, price for ten days \$2,600, \$1,600 cash. Sell sixty days for three more. BUXTON BROS., Utica, Kan.

**FARMS** bought at right prices are a good investment. Send for our booklet containing choice bargains in the corn and alfalfa belt of southeast Kan. Farms, prices and terms are right. Write for it today. Miller & Son, First National Bank Bldg., Chanute, Kan.

**960 A. CHASE CO., Kan.** 2 1/2 mi. from town, good improvements, 125 a. creek bottom, 25 a. alfalfa, good feed lots, timber and hay land. Two pastures of fine grass and well fenced, watered by creek and springs. Price \$25,000.00. SIMPSON, STAATS & GIVIN, Emporia, Kan.

**FOR SALE**—A suburban property to town of 800 population, Rice county. Eighteen 50 ft. lots in a body, fenced hog and chicken tight. Four room house, barn 26 ft. sq. with roomy hay mow, wagon shed, corn crib, hog house and lot, coal house, cob house, and plenty of water. Possession given. A snap if taken at once. Price \$2,000. Terms. Address Owner, care of Mail and Breeze, Topeka, Kan.

**NO, SIR**—We don't have to sell this 160 a. but we are going to, and donate someone a \$1,000. Excellent location, 5 mi. from Meade, 4 mi. from Missler; level, deep dark loam soil. Price \$2,240, \$1,500 cash. MARRS & DAY, Meade, Kan.

**IF YOU WANT TO BUY LAND** in western Kan. for \$6.00 an a., write GEO. M. LYNCH, Co. Treas., Tribune, Kan.

**McPHERSON COUNTY, KAN.** Improved land \$40 to \$100. Write for particulars. A. W. Bremyer, McPherson, Kan.

**NEW LIST FREE** describing Anderson county farms, \$40 to \$60. Geo. W. Iler & Son, Garnett, Kan.

**BARGAIN.** 120 acres, all choice land, well improved, very desirable, 2 miles out, \$60.00 per acre if taken within twenty days. 80 acres improved 3 1/2 miles out, \$40.00 per acre. Send for land list. F. C. LIBBY, Lue Mound, Linn Co., Kan. J. L. Wilson, Salesman.

**160 A. WELL IMPROVED FARM.** 80 a. in cult., balance meadow and pasture, all fenced, 40 a. hog tight, 5 a. in alfalfa, 7 room house, barn 34x40 ft., 2 1/2 miles to town. Price \$45.00 per acre, half cash, balance terms. KANSAS & OKLAHOMA LAND CO., Coffeyville, Kan.

**LINN COUNTY FARMS.** Biggest bargains in Kansas. Corn, wheat, timothy, clover, bluegrass land \$15 to \$80. Coal, wood, gas, abundance good water. Fruit and everything that goes to make life pleasant. Large illustrated folder free. EBY BROTHERS & CADY, Pleasanton, Kan.

**FINEST FARM IN ALLEN COUNTY.** 360 a. 2 mi. from Moran. Smooth land, good soil, suitable for tame grass, corn and alfalfa, 65 a. growing wheat. Bluegrass pasture. Write for description and pictures if interested. IOLA LAND COMPANY, Iola, Kansas.

**FARMS MUST SELL.** Must sell several 80 and 160 acre farms by March first, 1912. They are priced at low value to sell. If you want to buy a farm see mine before you buy. Send for my list. Just put out. J. M. GARRISON, Attica, Harper Co., Kansas.

**SUBURBAN, NEAR HIGH SCHOOL, \$1,800** 25 acres smooth land, two blocks of county high school, Altamont, Kan. Fine place to build a home without city taxes. Write or see DONAHUE & WALLINGFORD, Mound Valley, Kansas.

**AN ALFALFA FARM** 320 acres—240 acres good alfalfa land, 60 alfalfa shed, cattle shed, plenty of water. 1 mile to station. \$60.00 per acre. Very easy terms. Write today to **T. J. RYAN & COMPANY, ST. MARYS, KANSAS**

**DICKINSON COUNTY BARGAINS** We have many fine river and creek bottom land and also fine upland farms for sale. Good wheat, corn and alfalfa lands at reasonable prices. Write for lists. Mention this paper. **BRINEY, PAUTZ & DANFORD, Abilene, Kansas.**

## Hodgeman County

We are close up to high priced land. Have good small ranches, running water, alfalfa land, perfectly smooth upland, good soil, good water. Good prices, easy terms. Write for price lists, county and state maps. **F. M. PETERSON, Jetmore, Kansas.**

## Southwest Kansas Land

2,400 acres choice smooth land in Stanton county, Kansas. This land is on the line of the proposed Santa Fe railroad branch. Price \$6.00 per acre. Good terms if desired. **THE CHARLES E. GIBSON CO., DENVER, COL. ROOMS 1016-20 FIRST NATIONAL BANK BLDG.**

**CHASE CO. RANCH.** 1,000 acres, 150 cult. bottom, well improved, 7 miles town. Price \$25 per acre. Also alfalfa lands. Lists free. **A. J. KLOTZ & CO., Cottonwood Falls, Kan.**

**80 ACRES ALFALFA LAND** for sale. If interested write for list of ten 80-acre tracts near Salina. **V. E. NIQUETTE, Salina, Kansas.**

**WESTERN KANSAS LAND.** \$7.50 an acre and up. **W. W. HOLLY & CO., Leoti, Kan.**

**COFFEY COUNTY, KANSAS.** In heart of corn and tame grass belt. Farms and ranches \$30 to \$60. List free. **LANE & KENT, 3rd St., Burlington, Kan.**

**SQUARE SECTION CHEAP.** 640 acres 4 miles Hugoton, Stevens Co., Kansas. Santa Fe main line railroad to Hugoton this year. All level land, for \$6,400, only \$2,400 cash. Many other bargains along new Santa Fe extension. Subject to prior sale. **F. M. NASON, Liberal, Kan.**

**A PROPOSITION FOR YOU.** \$12.50 per acre for 30 days. 1,600 acre alfalfa farm in Seward county on Cimarron river near Liberal. 500 acres bottom land. 200 acres second bottom. Write for particulars. **ELLSAESSER & HENRY, Liberal, Kan.**

**EASTERN KANSAS.** I have for sale at owners' prices over 300 choice improved farms, all sizes, in Lyon and Coffey counties. Fine corn, wheat, alfalfa, timothy and clover. Write for new illustrated descriptive circular. Some exchanges. **ED F. MILNER, Hartford, Kan.**

**WELL IMPROVED FARM FOR SALE.** Nice smooth half section in Labette Co., Kansas, near Parsons, fine town house 3 rooms, large barn, granary, etc., plenty of water, 80 acres wheat, 60 acres mow land, native grass, 60 pasture, fenced and cross fenced. Must sell to settle up estate. Price \$19,000, for cash only. Address **WILSON & RESSSEL, Colony, Kansas.**

**A NEW DISCOVERY.** We have discovered that there is a quarter of land 3 miles from town that can be bought for \$22.50 per a., \$1,200 cash, balance 5 years 6 per cent. Good large barn, sheds, granary, well, 100 a. cult., 60 a. pasture, fenced, fair house, smooth and level. Snap for a home. Come and see it. **COONS AND JACOBS, Plains, Meade County, Kansas.**

**100 Farms** Improved and unimproved. Send for our list of bargains. **THOS. DARCEY, OFFERLE, KANSAS.**

**LAND! LAND! LAND!** In Okla., Gulf Coast country and Kan. Prices low; terms easy. Exchanges made. **JABEZ F. BRADSHAW, Lenexa, Kan.**

**Grant County Kansas Land** I have for sale nice smooth land, tributary to the new Santa Fe cutoff at from \$3 to \$11 per acre. Write for full information. **T. W. MARSHALL, New Ulisses, Kan.**

**Kaffir Corn is King** in Butler county, Kansas. Not a failure in 20 years. Alfalfa is Queen, with 33,000 acres. First in cattle and acres grazing land. Second in tons of prairie hay. Prices of land and general information on request. **L. L. KISER, Eldorado, Kansas.**

**DON'T READ THIS** unless you want to make a good profit on a small investment. I have a proposition to offer that you cannot afford to let pass you. Level, well located residence and business lots in rapidly growing town. Prices \$12.50 to \$50, easy monthly payments. Write for particulars. **JOHN W. BAUGHMAN, Deak "G." Plains, Kan.**

**Sedgwick County Farm Bargains** 160 a. farm, large house, barn, orchard, good land. \$7,500. Terms on \$3,500. 320 a., two good farms, well improved, best of land, \$55 per acre. 120 a. farm, well improved, good land, \$50 per acre; \$1,000 cash, bal. long time. 40 a. tract, make fine chicken ranch, \$1,600. 80 a. valley farm, good improvements, 20 a. fine alfalfa, near city, \$80 per a., terms. **H. E. OSBURN, 227 E. Douglas, Wichita, Kansas.**

**FOR SALE** 480 acres 5 miles north of Lawrence, Kansas, 1 1/2 miles from Midland. 400 acres tillable, mostly second bottom. No overflow land. Is watered by 2 never failing streams; has 3 large barns; a large house, and numerous outbuildings all in good condition. There is no better grain or stock farm in eastern Kansas. **A BARGAIN at \$75.00 per acre. CHARLES E. SUTTON, Lawrence, Kansas.**

**FOR SALE** 760 acres 6 miles from Clayton, Clayton, Kan., 600 a. under plow, all tillable, all fenced, 80 hog tight, 160 a. alfalfa land, fine improvements. Running water, shallow well and mill. Price \$30.00 per a. easy terms. 80 acres 3 miles from Clayton, finely improved farm, school, Methodist church and store at corner of land. The improvements cost what we ask for this property. \$3,500, \$2,500 cash, good terms on balance. For land bargains anywhere in the Southwest write **MEXICAN REALTY CO., Box 155, Amarillo, Texas.**

## GOOD LAND CHEAP!

Close to Wichita Union stockyards, 240 acres smooth, black soil, water 15 to 20 ft. Good improvements. Just the place for some stockman. Rents for \$1,000.00 per year cash. A snap for someone at \$75.00 per acre. 1/2 cash, long time on balance. **LEACH REALTY CO., Wichita, Kansas.**

## OKLAHOMA.

**BEST FARMS** in Oklahoma \$20 to \$50 per a. Write **C. A. West, Miami, Okla.**

**EASTERN Oklahoma Indian lands.** List free. Write **F. S. Ashleman, Nowata, Okla.**

**EASTERN OKLAHOMA farms** for sale by owner. All prices and sizes. Write **W. A. Hancock, Pryor, Okla.**

**FOR PRICES** and description of the best prairie land in eastern Oklahoma write **T. C. Bowling, Pryor, Mayes Co., Okla.**

**EASTERN OKLAHOMA Indian lands,** \$5 to \$10. If you want a money-making investment, write **F. A. Blanck, Stillwell, Okla.**

**160 A. farm** four mi. Co. seat, well imp., 100 a. in cult., \$7,500, \$1,000 cash, \$500.00 a yr. Also well imp. 160 a. farm, \$6,000, J. H. Fuss, (The Land Man), Medford, Okla.

**FARM and ranch** proposition for sale in eastern Okla. Eastern Oklahoma never fails to produce good crops when the soil is properly tilled, as our soil is very fertile and we have more rainfall than eastern Kansas. Write us regarding farms and pasture propositions. **Southern Realty Co., McAlester, Okla.**

**GOVERNMENT FARMS FREE**—Our 1912 official 132 page book, Free Government Land, describes every acre in every county in the United States; contains township and section plats, Maps, Tables and Charts showing inches rainfall annually, elevation above sea level by counties. Homestead, other government land laws, tells how and where to get government land without living on it. Application Blanks, United States Patent. All about Government Irrigation Projects, map showing location of each. Tax laws of each state, other information. Price 50 cents postpaid, direct from publisher. **THE HOME BUILDERS, 508 West Main St., Oklahoma City, Okla.**

**FOR BEST FARM LANDS** in Payne and adjoining counties, \$20 to \$50, write **Ira Stout, Farmer's State Bank, Cushing, Okla.** Map and list free.

**TERMS TO SUIT.** 160 a. 7 miles of Medford, 4 1/2 miles of R. R. town, 85 a. fenced with 3 ft. woven wire in pasture, balance in cult., good orchard, small fruit, fine water and mill, 4 room house, large barn and sheds, 2 miles of school, some wheat. Good loose loam soil, good ALFALFA land. Write us for trades. **BATTEN REALTY CO., Medford, Okla.**

**POCKET MAP OF OKLAHOMA** for five names of persons intending to change. Caddo county corn and alfalfa land. **BALDWIN & GIBBS CO., Anadarko, Okla.**

**OKLAHOMA BARGAIN.** Kay Co., 160, 5-r. house, large new barn, cattle sheds, silo. Good land. Price \$8,500. List free. **E. E. WOOD, Newkirk, Okla.**

**\$2.50 PER ACRE** buys 360 a., 4 miles Kosoma, Okla. Title good. No trades. **RINGLANDS, McAlester, Okla.**

**Oklahoma Wants You** 500 choice farms for sale. Titles good. Easy terms. Soil and climate excellent. Write for list. **Roberts Realty Co., Nowata, Okla.**

**Indian Lands** for sale, 300 choice farms, N. E. Okla., low prices. Easy terms. Perfect title. **E. T. TETER & CO., NOWATA, OKLA.**

**Okl. 240 A.** 25 a. in pasture, rest for imp., cement cave, spring crop, large new telephone. Will raise any kind of grain or hay. School house on land. Lays in oil and gas belt. \$8,000, part cash, bal. on easy terms. Owner, **Charles Barrett, Waldron, Kan.**

**ALL VERY GOOD** We have the very best of all smooth tillable land. **R. T. WRAY & CO., Tyrone, Okla.**

**Eastern Oklahoma** Land \$3.00 to \$25.00 per a. Prices are steadily advancing—now is the time to buy. If you want a good, cheap home, or a money making investment, write to or call on **W. T. HARDY, McAlester, Okla.**

## MISSOURI.

**SPECIAL farm bargains** this month. List free. **Morris & Walker, Mountain View, Mo.**

**DAIRY, poultry, fruit, stock** and timber lands, all sizes and prices. Write **Ozark Realty Co., Birch Tree, Mo.**

**R. S. PHILLIPS & CO., Mar. field, Mo.** offer unsurpassed opportunities to home-seekers in Ozarks of Webster Co. Write for descriptive farm list. It's free.

**FINE, rich 80 adjoining Adrian, Bates Co., Mo.** Very well improved, \$8,000. Refused one hundred and fifteen dollars per acre, 6 months ago. Biggest bargain in Missouri. **ALLEN, The Land Man, Adrian, Missouri.**

**FINE COUNTRY HOME,** 2 miles from Humansville, Mo., 68 a. All fenced and cross fenced with woven wire. New 8 r. house, 2 barns, 2 chicken houses. Fine water, small orch., \$65 a. One-third time. NO trade consid. **Mo. Land Co., Humansville, Polk Co., Mo.**

**FARM BARG. INS.** We are offering you the choicest list of lands in America. Splendid stock farms, within your reach. Corn and clover lands. Cheap. Send for list with descriptions and price. **C. H. MARTIN, Doniphan, Mo.**

**CARTER COUNTY BARGAIN.** 150 acres of good unimproved farming land, located 9 miles of Van Buren, county seat of Carter Co. Fine pasture land, also fine for dairy and fruit farming; in fact you can raise almost everything raised in the North. Fine climate, good water, schools, churches. A bargain at \$10 per acre. Write **JOHN M. CARNAHAN, Van Buren, Mo.** (County Clerk and Recorder, Carter Co.)

**FREE: "Homeseekers' Review"** **BEST LAND** Many big bargains. **WEST PLAINS REAL ESTATE CO., West Plains, Howell County, Mo.**

## ARKANSAS.

**38 CHEAP farms** for sale in White Co., Ark. **Letona Realty Co., Letona, Ark.**

**ORCHARD LAND**—Extra fine, \$10 acre, 4 miles north of Flippin on Ry. **W. B. Mathewson, Yellville, Ark.**

**BARGAINS** in north Ark. Good valley farms and cheap dairy and grazing land. **Clayton & Wayt, Hardy, Ark.**

**FOR FREE INFORMATION** about Arkansas fruit and general farming land, at low prices, on liberal terms, write us. New list free. **Griffin & Wasson, Gentry, Ark.**

**160 ACRES** black alfalfa land, soil 15 ft. deep. If not as rich land as yours we will pay your expenses to see it. Ask for map and list. **McIver Co., Texarkana, Ark.-Tex.**

**240 A. imp. farm;** 100 cult.; bal. timbered; soft well water; orchard; level; no rocks; white community; healthy; 3 mi. Winthrop on K.C.S.Ry. \$4,800. Terms easy. **Robert Sessions, Winthrop, Ark.**

**GO TO ARKANSAS** where opportunity awaits you. Send for literature describing the best lands in the best county in the state. Write to **BERT J. MYERS, Immigration Agent, Headquarters at Riverton, Nebraska.**

**688 ACRES,** 2 miles out from Imboden. About 155 cleared and cultivated. About 100 bottom and valley. Bottom, upland and hill yet to clear. Fair house. Place well watered. Make a general purpose and livestock proposition. Price \$15.00 per acre. For full particulars write **J. L. M'KAMEY, Imboden, Lawrence Co., Ark.**

**IT'S FREE.** For booklet and price list Arkansas farms, write **Moore & Martin, Prescott, Arkansas.**

**ARKANSAS LANDS.** For fruit or general farming, at much less than their actual producing value. Fruit, berries and all staples grow to perfection. Land values are advancing rapidly. New list free. **COLLINS & HUNSAKER, Decatur, Benton Co., Ark.**

**COME TO DECATUR, ARKANSAS.** See us for bargains in fruit farms, grain farms, stock ranches. Also Okla. lands, good climate, water, soil, health and opportunities. We have land \$2.00 up. Don't fail to see us. Literature and list free. **FLEMING & WEAVER, The Land men, Decatur, Ark.**

**CHEAP LAND, S. W. ARK.** 40 acre homestead, 3 room house, well, etc., \$225. 90 acres on K. C. S. Ry., cut over land, \$6.50. 160 acre farm, five room house, well, 35 acres open, \$1,400. Fine second bottom river land covered with timber, \$12. **R. L. JOHNSON, Allene, Little River Co., Ark.**

**FOR BARGAINS** in Arkansas farm and timber lands, write **H. G. LONG, Hoxie, Ark.**

**SCOTT COUNTY, ARKANSAS,** improved farming land, from \$10.00 an acre up. Raises big crops of fruit and all staples. Ideal country for stock raising. Also timber land for \$5.00 an acre up. New list free. **HUBERT J. HALL, Waldron, Arkansas.**

**A HOME FOR YOU IN ARKANSAS.** 80 acre farm, 25 in cultivation, 5 room house, barn and outbuildings—4 mi. from city, \$1,500.00. Easy terms. 800 acres, cut over land, will make good upland farms. Some cleared land now in cultivation on tract. \$10.00 per acre. Easy terms. **Farms, Lands, Homes, 16 years' experience in Arkansas lands. REAL ESTATE DEPARTMENT, TEXARKANA TRUST CO., TEXARKANA, ARK.** Colored map of Arkansas for 2c stamp.

ARKANSAS.

IF YOU WANT TO BUY ARKANSAS LAND... Write S. C. Dowell, Walnut Ridge, Ark.

ARKANSAS

Land of corn and cotton... Never to be forgotten... Grand Old Arkansas.

Land of mellow peaches... Land of golden wheat... 'Tis experience teaches... It's mighty hard to beat.

Land of reddest cherries... Apples, pears and plums... Land of endless berries... To the front she comes.

Blessings rise upon us... Love for all the girls... Hail the land of promise... Hail the land of pearls.

Land of peace and plenty... Love, liberty and law... There isn't a state in twenty... That beats old Arkansas.

For particulars of prices on land for homes... Write S. C. Dowell, Walnut Ridge, Ark.

TEXAS.

COLONIZATION tracts, two to five thousand acres in rain belt. The Baughman Realty Co., Eagle Lake, Texas.

FREE ILLUSTRATED literature describing land in the famous Texas mid-coast country. Smith Diebel Land Co., Victoria, Tex.

FREE—Illustrated literature, describing rich lands in the famous Rosenberg district. Tets Land & Loan Co., Rosenberg, Texas.

WRITE FOR FREE literature describing choice lands in the Eagle Lake district. Send your name today. Fidelity Immigration Co., Eagle Lake, Texas.

10,000 ACRES, Lower Panhandle Texas—shallow water—Santa Fe territory—sold in 250 acre tracts if desired. Also improved farms in Mitchell county, line of Texas Pacific Railway. C. H. EARNEST, Owner, Colorado, Texas.

225 A., 9 ml. Bay City, Matagorda Co., Texas, 200 a. open land, bal. timber. \$25 per a. Other propositions. CASH REALTY CO., Bay City, Texas.

POTATO LAND. 1,400 a. Brazos val. red shell alluvial soil; \$13.50 a. N. B. Knight & Co., Houston, Tex.

FOR SALE OR TRADE. Rich farm and ranch lands. In tracts of 20 to 140,000 acres. \$3 to \$100 per a. Good terms. Dryden & Moseley, Waco, Texas.

PROFITS IN GULF COAST LAND. Wonderful production, large increase in value, an attractive home. Get our Free Booklets, "The Road to Prosperity" and "A Pointer on Where to Buy Land." Will send you free "The Gulf Coast Bulletin" for 6 mo. Write THE ALLISON RICHEY LAND CO., 2nd Floor Carter Bldg., Houston, Tex.

Investigate This Before Buying. 1,500 acres of heavy black loam located within two miles of good railroad town. Ready for the plow and will sell in tracts of 50 acres up. Or will sell all at an attractive price. Write us for prices and terms. FERGUSON & POST, Iroquois Bldg., Victor, Tex.

LOUISIANA.

TIMBER and farm lands, city prop. and mdse. Describe and price your prop. Ragsdale-Bland R. E. Ex., Shreveport, La.

RICHEST lands in U. S. located in famous Red river valley. Best adapted to corn and alfalfa. Some exchanges. W. C. Evans Realty Co., 510 Market St., Shreveport, La.

IF YOU WANT TO BUY A FARM or cut-over lands, within a radius of 50 miles of Shreveport, write to HANSEN-HANSON REALTY CO., Shreveport, La.

Farm and Timber Land in Caddo Parish, La., at \$10.00 to \$50.00 per a. Farm lands are very fertile and productive and rent readily for 10 per cent of their value. Write for free illustrated literature. HERNDON-JETER CO., Shreveport, La.

NEW MEXICO.

NINETY THOUSAND acres of fertile farm land for sale in eastern New Mexico; will cut to suit and sell on long time payments. Also a number of improved farms for sale. If interested write us for information; it's free. Address HAVENER DEVELOPMENT CO., Clovis, N. M.

IDAHO.

RICH, productive, deeded land on railroad; excellent markets; schools; free range; lowest prices. Unequaled opportunity for home-builder or investor. Descriptive bulletin giving full par. Write at once to Bear River Valley Land Co., Montpelier, Idaho.

FLORIDA.

FLORIDA—10-acre tracts, finest prairie land, De Soto county, Florida; sacrifice price, \$18 per acre; monthly payments. C. E. Johnson, owner, Parsons, Kan.

FOR SALE—First class small hotel in one of the best new towns in Florida. Town growing rapidly and hotel on profitable basis netting \$100 to \$150 per month. Surrounded by beautiful young orange grove; rare opportunity. FLORIDA DEVELOPMENT COMPANY, Davenport, Florida.

COLORADO.

320 A. homestead relinquishments, a few choice ones, fine land, last chance. Write us, National Inv. Ass'n, Akron, Colo.

FOR SALE BY OWNER—Irr. farms in the famous Arkansas valley. All in cultivation. Old reliable irr. system. Easy terms. Agts. wanted. A. J. Reynolds, La Junta, Colo.

MONEY making stock ranch, 960 a., eastern Colo., half sec. clear, deeded; section school lease adjoining; 750 a. nearly level. Good improvements; 8 miles to inland town; open range close. Price \$4,500, half cash. Now running 250 head mixed stock and big bunch of hogs. Plenty feed. E. L. PALMER, Laird, Yuma Co., Colo.

FOR SALE—Ark. valley irr. alfalfa lands, most desirable climate; rd lands with water in West. Geo. R. Wilson, Lamar, Colo.

LOGAN CO., COLORADO, LANDS. Upland \$6.00 to \$35.00. Irrigated \$35.00 to \$125.00. Free information. K. BUCHANAN, Sterling, Colo. Over postoffice.

WASHINGTON CO., COLO., LANDS. From \$3.00 to \$80 per acre. Write for FREE information. It will pay you. MACDONALD-PURDY LAND CO., Akron, Colo.

AVOID DROUGHT AND FLOODS. Constant sunshine and bountiful water under the new Pueblo Irrigation District adjoining city. Only \$30 per acre. For descriptive circular and maps write COBURN & MCCLINTOCK, Box 797, Pueblo, Colo.

KIOWA COUNTY, COLORADO, corn, wheat and alfalfa lands, \$8.00 to \$15.00. Homestead relinquishments \$250.00 up. A few 160 acre relinquishments under prospective irrigation. Folder and copy of homestead laws sent free. THE WESTERN REALTY CO., Eads, Colo.

LAS ANIMAS, BENT CO., COLO. In the heart of Ark. Valley, where irrigation has made the desert blossom as a rose. Alfalfa, wheat, oats, sugar beets, famous pink-meat cantaloupe, and many other crops produced abundantly. KURTZ-STALEY LAND CO., Las Animas, Colo.

ARKANSAS VALLEY IRRIGATED LANDS. Where alfalfa, wheat, oats, cantaloupes and sugar beets produce mammoth crops every year. We sell and exchange these lands. If you want a good home, or money-making investment, write McCauley & Mahoney, La Junta, Colo.

IRRIGATED ORCHARD LAND. Our Highview Park orchard land is equal to the best. Our location is not equaled in Colorado. Our price is less than half what other like orchard land is selling at. Our terms are remarkably easy. We are selling orchard land for \$375 per acre, with a paid up water right, planted to orchard and cared for, for a period of five years. We give to the purchaser an absolute guarantee to replace all dead or diseased trees and to turn over to them a live, healthy orchard at the end of that time. Our land is so close to Denver that pickers and other help can be obtained quickly. Another advantage: Culled apples can be marketed at the Denver canning and vinegar factory. Cold storage and shipping facilities at Denver are first class. We give seven years' time on deferred payments and they can be made monthly, quarterly, semi-annually or annually. Write us today. DENVER SUBURBAN HOMES & WATER COMPANY, Denver, Colorado.

JAMES BUTLER, Eastern Representative, 1230 Fillmore St., Topeka, Kansas.

Western Land Bargain Shop. We have the choicest selection of large and small tracts of irrigated and unirrigated land in Colorado, Wyoming, Texas, Arizona and New Mexico. Write and let us tell you how you can get a good western farm at a low price or good land for investment. Twenty-five years' experience. Information free. JOHN H. HOLLOWELL (The Land Man), 607 17th St., Denver, Colo.

MISSISSIPPI. 3,000 A. in tracts to suit purchaser, especially adapted to truck, oranges and all staples. \$12 per a. and up. Write for full information. W. A. COX, Gulfport, Miss.

SOUTHERN MISSISSIPPI. Ideal for general farming as well as oranges, pecans, truck, grape fruit, etc. Anything that you put into the ground here in this genial climate grows and produces abundantly. Write for list, land \$10.00 up. SOUTHERN LAND CO., Wiggins, Miss.

NEW YORK. FARM of 312 acres, 75 acres timber, sugar maple grove of 250 trees, ten room house, basement barn 40 by 50, two other barns and other outbuildings; running water at house; buildings insured for \$3,000; 23 young cows, one bull and two choice brood sows; all for \$6,000. Terms, \$3,000 cash, balance mortgage at five per cent. HALL'S FARM AGENCY, Owego, Tioga county, New York.

For Sale or Exchange Farm For Merchandise. We offer 320 acres good smooth land 15 miles from Tyrone, Okla., land in Stevens county, Kansas, on R. F. D. and telephone line, some improvements, such as well, house, barn, etc. Price \$5,000. Mortgage \$2,000 due 1914 7 per cent. Will trade equity for good stock of groceries and dry goods. Give full particulars first letter. LAND-THAYER LAND CO., Liberal, Kan.

240 Acres of Irrigated Land close to Alamosa, Colorado. Will soon be in the city limits. Price \$100 an acre. Also \$2,000 worth of city lots in Oklahoma City. Will take gen'l mdse. or hardware store, not exceeding \$20,000 to \$24,000. STEVENS & RUBY, Stockton, Kan.

FOR SALE OR EXCHANGE

GROCERIES and merchandise for farm. Other trades. F. Gass, Joplin, Mo.

BUY OR TRADE WITH US—Exchange book free. Bersie Agency, Eldorado, Kan.

FARMS sold or exchanged, 2% com. Middle West Exchange Bureau, Cherryvale, Kan.

WRITE FOR LISTS, sale or exchange. The Eastern Kan. Land Co., Quenemo, Kan.

LIST your property for quick sale, rent or exchange, with Ed Ruckman & Co., 807 Swelter Bldg., Wichita, Kan.

IF YOU WANT to buy or trade for an Arkansas valley farm, write to or call on C. L. Seely, La Junta, Colo.

WE WANT stocks, residences, and farms listed for exchange. Write for listing blank. Cassoday Realty Co., Cassoday, Kan.

LAWRENCE, Kan., residence for western Kansas land. Blacksmith shop and garage for land. J. W. Watkins, Quenemo, Kan.

HEY, THERE!—Get our booklet, Mo. Ozarks. New list. Exchanges our strong suit. Baker Realty Co., Mountain Grove, Mo.

FOR SALE OR EX.—What you have, for what you want, we can match any trade, try us. H. C. Butts Land Co., Carrollton, Mo.

FOR SALE OR EXCH.—Central western Kan. land, \$10 to \$50 per a.; city property and merch. B. T. Cutler, McCracken, Kan.

HUNDREDS of bargains in improved farms, located in 20 states. Sale or exchange, list free. W. P. Burrow, Warm Springs, Ark.

BOOK 1,000 farms, etc., everywhere, for ex. Get our fair plan of making quick, square trades. Graham Bros., Eldorado, Kan.

FOR SALE OR EXCHANGE—Good wheat and corn lands. Describe and price your proposition. Jess. Kinsner, Garden City, Kan.

FOR SALE OR EXCHANGE—Irrigated or unirrigated eastern Colorado lands at reasonable prices. Andrew Townsley, Holly, Colo.

FOR SALE AND EXCHANGE—Eastern Kansas farms, western lands, city property and stocks of mdse. Write today stating what you have. O. C. PAXSON, Meriden, Kan.

960 A. 4 ml. Eldorado, well imp., creek, timber, 140 bottom alfalfa land, 260 cult., 700 past., \$42.50 a. Terms. Other cash and exch. propositions. V. A. Osburn, Eldorado, Kan.

FOR SALE OR TRADE—First class wheat land, also the best of pasture land, at prices from \$15 to \$40 per acre. Wheat is looking fine; one crop will pay for the land. Meyer Bros., Morland, Kan.

FOR SALE OR TRADE for alfalfa land eastern Kansas. Fine 80 acre Pottawatomie county, Oklahoma bottom farm, 6 miles from Shawnee; soil black loam; 55 acres alfalfa; fair improvements. Price \$10,000. LAMKARD-HART COMPANY, Shawnee, Oklahoma.

FOR SALE OR TRADE—Mid-coast farm, 180 a., fine black land, partly improved, 1 1/2 ml. station, only two miles from Palacios Bay, Matagorda Co., Texas, only \$50.00 per a. Inc. \$3,000.00. Will consider small farm or city property in eastern Kansas or Oklahoma. C. D. ROBERTS, Palacios, Texas.

175 a. farm, Howell Co., Mo., 90 a. in cult., al. good timber, good apple and peach orch., some berries, 4-rm house, other outbldgs. Plenty good water, 2 ml. town. Will sell \$30 a. if sold soon. Half in good rental property, some cash, terms on bal. IOWA, MISSOURI & KANS. LAND CO., A. P. Cottrell, Mgr., Pomona, Mo.

GREENWOOD COUNTY RANCH of 632 acres, 100 acres first bottom, 1st class alfalfa land, in cultivation, 100 acres of upland in cultivation, 135 acres bluestem meadow, balance bluestem pasture, two sets of improvements, everlasting stream of water, close to town and shipping point. Price \$32,500. Owner will take good clean hardware stock up to \$20,000, with \$1,000 cash and will carry the balance on the ranch for term of years. BOX 54, Eureka, Kansas.

FARM AND FRUIT LAND sale or exch.; also city prop. and mdse. Moss, Hays & Co., Siloam Springs, Ark.

TEXAS LANDS. On the coast. Our specialty—low prices and quick sales. Write us what you wish to buy or have to exchange. No time to waste on inflated values. PALACIOS LAND & INV. CO., Palacios, Tex.

TO TRADE FOR MERCHANDISE. Fine farm of 120 a. close to town; good imp.; about 40 a. in alfalfa; price \$12,000. Same party owns 320 a. that can be irrigated by pumping plant; price \$8,000. Will trade one or both. Fine home or investment. Other bargains. GORHAM REALTY & LOAN CO., Garden City, Kan.

FOR SALE OR TRADE—240 acres of good upland, 60 acres cultivation, 100 acres prairie meadow and 80 acres pasture, for merchandise or rental property. 320 acres pasture land for merchandise, rental property or livery stock. A fine block of income property. Rental value \$200.00 per month. Price \$35,000.00, incumbrance \$15,000.00. Will trade equity for land or merchandise. A good stock of clothing, shoes and furnishing goods of \$9,000.00 for clear land. LONG BROS., Fredonia, Kan.

EXCHANGE FOR MDSE. OR HARDWARE. 480 a. good smooth land in south central Kan. Owner, H. C. Whalen, Wichita, Kan.

FOR EXCHANGE. 72 acres 1 1/2 miles of this city, all fenced with 60 acres in cultivation, balance in pasture. This place is well improved and a dandy. Will take \$1,500 in good income property, balance time and money. What have you to offer? Price \$75 per acre. Write to Jas. B. Webb & Co. for information at West Plains, Mo.

EXCHANGE FOR LAND OR CITY PROPERTY. Stocks of groceries and dry goods, ranging from \$1,000 to \$5,000. We also have land in central and western Kansas to exchange. B. M. MURPHY & CO., Hutchinson, Kan.

TWO ALFALFA FARMS adjoining Newton, Kan., for sale. A business bldg. renting for \$300.00 per month. Also a modern 500 bbl. flour mill to exchange for land. COOK & FRANCIS, Newton, Kansas.

WANT TO TRADE. 206 acres choice valley land, all tillable, new 3 room house, new barn 36x48, 3 1/2 miles to railroad station. Want central western Kansas land. MANSFIELD LAND COMPANY, Ottawa, Kansas.

"LAND FOR MERCHANDISE." 160 Elk county, Kansas, 160 Logan county, Oklahoma improved—For Missouri land or Springfield, Missouri, property, or both for merchandise. Patents a specialty, try us. OWNERS SALE & EXCHANGE, Neodesha, Kansas.

SNAPS FOR SALE AND EXCHANGE. Good, smooth unimproved land on the new southwest R. R. at \$10.00 per acre. Also have land here to exchange for land east. Garage and machine shop, will trade for land or city property worth the money. Have all kinds of mdse. to trade. SANTA FE LAND CO., Dodge City, Kan.

WE OWN THESE TRADES. Paint and wallpaper store at Longmont, Colo., rent \$35; will invoice about \$3,000. Chicken ranch in North Denver, two blocks off car line, 6 lots, fenced, 5-room house, new barn; mortgage \$1,600, 6 per cent, 6 years; want clear property. W. J. CATTELL, 1730 Logan St., Denver, Colo.

FOR EXCHANGE FOR 30 DAYS ONLY. 125 1/2 acres 3 1/2 miles from Loveland, Colorado, watered from one of the best ditches in the valley. All under irrigation but about 8 acres. \$3,000 worth of improvements consisting of fine 7 room house, barn for 8 head of horses, other outbuildings, fine lawn, large grove trees, some fruit. Owner lives in Iowa and wants to get interests closer to him and offers for 30 days only his equity in this farm for stock of groceries, hardware or implements. Price \$15,000. Mfgs. \$5,000 8% 3 years yet to run. MOORE & EATON, 185 E. 4th St., Loveland, Colo.

FARM BARGAINS. For sale or exchange, any size, any price, anywhere. We can match any trade. SEWELL LAND CO., Garnett, Kan.

For Sale or Trade for picture show or restaurant, or racks stock, 20 acres of land joining the town of Amalga, New Mexico. Subject to irrigation, and all can be thrown into town lots for \$2,000 clear. GEO. MANVILLE, Holton, Kan.

FARM BARGAINS. For sale or exchange, any size, any price, anywhere. We can match any trade. J. P. DUNCAN REALTY CO., Wichita, Kan.

Do You Wish to Swap? If so write us fully first letter what you have and what you want. We match 'em. Also some farm snaps for cash. OAKLEAF & HILL, Cherryvale, Kan.

For Sale or Trade. 1,280 acres of choice land, all well improved, on the Rock Island railroad, from one to five miles of Naravisa, New Mexico. Prefer south Mo. or Ark. lands. AMOS PEARCE, Naravisa, N. M.

WANT A LOCATION? I can sell or exchange your farm for another farm, city property or business of any kind. If you wish to change locations give me a full description of what you have to offer, what you want and where you want it. Owners only. CARL M. COOK, Limon, Colo.

FOR SALE OR TRADE—240 acres of good upland, 60 acres cultivation, 100 acres prairie meadow and 80 acres pasture, for merchandise or rental property. 320 acres pasture land for merchandise, rental property or livery stock. A fine block of income property. Rental value \$200.00 per month. Price \$35,000.00, incumbrance \$15,000.00. Will trade equity for land or merchandise. A good stock of clothing, shoes and furnishing goods of \$9,000.00 for clear land. LONG BROS., Fredonia, Kan.

LOST

Your name and address. In the big fire here March the 10th, my office was burned and all records and correspondence destroyed. I have reopened a new office and wish to co-operate with you in the sale and exchange of Real Estate. Please write me full particulars today in regard to your property. I have choice propositions, on good terms, near the Dodge City & Cimarron Valley Railroad, now building southwest from Dodge City; also have 480 acres 9 miles southwest of Dodge City, all good dark loam land, 210 acres of sod wheat, one-third delivered in Dodge City, goes to the buyer, 6 room house, barn for 16 horses, large granary, all buildings new, on telephone and R. F. D., 1/2 mile to school. This is one of our best farms and will sell for \$35.00 per acre on good terms, or will consider a good trade.

L. L. Taylor & Co., Dodge City, Ks.

**Market Probabilities**

(Continued from Page 30.)

bearings \$5.50 to \$6.50, wethers \$5.25 to \$6.25, and ewes \$5 to \$6.00.

The following table shows receipts of livestock in St. Joseph thus far this year compared with the same period in 1911:

	1911	1912	Inc.	Dec.
Cattle	114,791	112,943	1,849	.....
Hogs	566,183	403,283	162,899	.....
Sheep	187,522	158,994	28,528	.....
H. & M.	13,704	14,841	.....	1,127

**Butter, Eggs and Poultry.**

Elgin, March 25.—Butter this week is firm at 25 cents.

Kansas City, March 25.—Prices this week produce are:

Eggs—First, new white wood cases included, 20 1/2 a doz.

Butter—Creamery, extras, 25c a lb. firsts, 24c; seconds, 23c; packing stock, 21 1/2 c.

Live Poultry—Spring chickens, 2 to 3 lbs., 24c a lb.; broilers, 25c; No. 1 hens, 12 1/2 c; No. 2 hens, 8c; roosters, 7 1/2 c; turkey hens and young gobblers, 14c; old toms, 12 1/2 c; calls, 7c; ducks, 14c; geese, 9c; pigeons, 60c a doz. Dressed poultry sells for about 1 1/2 to 2 1/2 c a lb. above live stock quotations.

**Produce Prices New and One Year Ago.**

(Quotations on Best Stock.)

	Butter	Eggs	Hens
Chicago	1912 1911	1912 1911	1912 1911
Kan. City	28 24	24 18	13 1/2 13

**Wearing Apparel for Women.**

On page 2 of this paper Jones, Post & Co. show a very attractive advertisement illustrating the latest spring styles in wearing apparel. This great wholesale house guarantees to save their customers from 10 per cent to 50 per cent on their purchases and if any article is not exactly as represented, and is not perfectly satisfactory they will return the money, and pay transportation charges both ways on receipt of goods. This offer is exceedingly liberal and worthy of a trial. All women are interested in clothing—good clothing at moderate, money-saving prices, and when a large firm like Jones, Post & Co. guarantees to save each housewife from 10 per cent to 50 per cent it seems too good to be true. However, we know them to be a reputable and honest house, and we recommend to our subscribers that each woman interested in wearing apparel and children's clothing write Jones, Post & Co., 1430 West 9th St., Kansas City, Mo., a postal card asking for their special women's catalog which they are glad to send free of all charge on request.

**The Silo Has Come to Stay**

BY G. W. CONN.

Dept. Farmers' Institutes, Kansas Agricultural College.

Mr. Editor—The silo isn't new in the world. In truth it is quite old. But it is comparatively new to the farmers of Kansas. The silo is becoming very popular and its popularity is not local. It is found now in Kansas from Kansas

City to Coolidge. The farmers of extreme western Kansas see in the silo a refuge in the time of drouth. The farmer in western Kansas today who has a silo filled with Kafir is to be congratulated. The full silo with a few dairy cows, pigs and chickens is agriculture's best accident insurance. It means a living for the family and a steady income to meet interest payments. Silos seem to increase in number in

high the pasture has practically disappeared.

So, the silo has come to stay. It is an economical building. It saves space, time, money and worry. Well preserved silage makes good, cheap milk, pork, beef, mutton and eggs. The hen is one of the saving graces of farm life and she likes silage and expresses her appreciation in more eggs for the market basket. In limited quantities it is an excellent

**SIX SILVER NARCISSUS SPOONS 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.

How can a man help feeling restless when even his bills are unsettled?

The Supplementary Poultry Number of Farmers Mail and Breeze—the second poultry number of the year—appears next week.

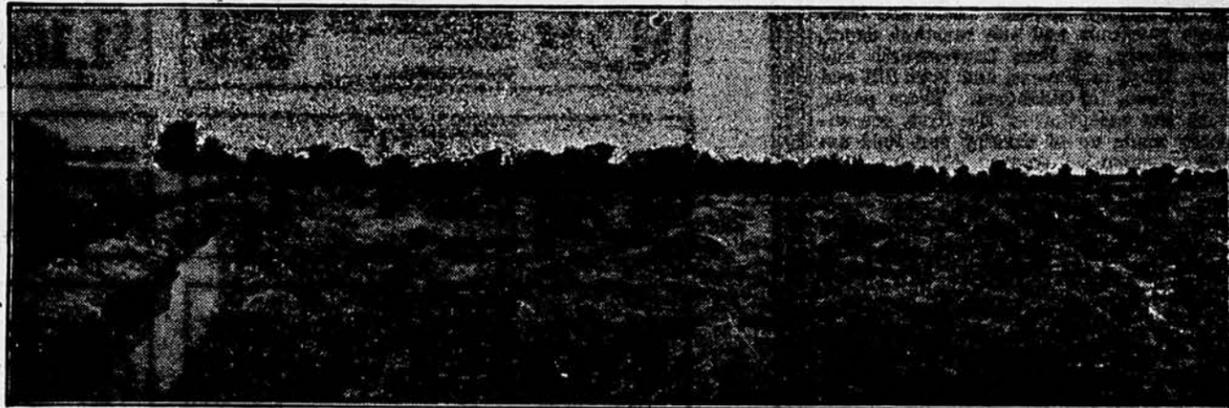
direct proportion with the increase in the price of land. There is a reason for this. Three acres of pasture are about the average in farming communities for one dairy cow. But 3 acres of land in an average year in eastern and central Kansas will return about 30 tons of corn silage. This is silage enough for 5 or 6 dairy cows for a year. The advantage of the silo in this case is apparent. In some older dairy countries when the price of land has become very

feed and tonic for horses. But a good dairy cow with 6 tons of silage and 2 tons of alfalfa in front of her for her year's menu is the greatest promise of permanent prosperity for most of the farmers of Kansas. Then, too, several hundred beef cattle feeders have proved the value of silage for putting on beef. A feeder in Dickinson county reports a gain of 4 pounds a day for 37 days on 100 steers with a ration of 20 pounds chop, 20 pounds silage, 5 pounds alfalfa.

**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.



ALFALFA FIELD AND ORCHARD IN HIGHVIEW PARK TRACT.

**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.**

**MEXICO.**

EVER HEAR OF MACINESO, Mexico? Place of FREE HOMES and perpetual income. Everything guaranteed. J. M. Mason, Columbus, Kan.

**NEBRASKA.**

ALFALFA FARM for sale, in Seward Co., Neb., about 140 a. alfalfa, and 100 a. in pasture. Rolling land. Good spring creek, 100 ton hay barn, 6 room house, large orchard, small barn, corn crib. Price \$20,000, half cash, bal. 5 yrs. optional at 6%. Will rent for about \$1,500. Alfalfa hay \$18 to \$20 per ton; alfalfa seed \$10.00 per bu. Alfalfa meal mill at Seward, Neb. Alfalfa yields about 3 tons per a.

FRALLE BROS. REALTY CO.  
Bremen, Kansas.

**BUSINESS CHANCES.**

HAZELTON THE NEW CITY IN A NEW COUNTRY ON A NEW RAILROAD

offers you the same ground floor opportunities, as Seattle, Vancouver and Winnipeg of twenty years ago. Hazelton is located at the head of steamer navigation on the Skeena River in Central British Columbia, Canada's Garden Province. It is on the Main Line of the Grand Trunk Pacific, the New Transcontinental Railroad, the tracks being but twelve miles away. Glorious invigorating climate, mild summers, mild winters; at junction of three valleys with half a million acres of fertile land adapted for fruit raising, stock, grains and mixed farming. Tributary to one of the most mineralized districts in the world. Gold, copper and an area of anthracite coal equal to that of Pennsylvania. Now has two newspapers, banks, hotels and doing over a half million dollars worth of business annually. It is the entering city of Central British Columbia, the "Last Great West." Crowds arriving, buildings going up. Centrally located lots from \$200 to \$400; terms as low as \$20 down and \$10 per month. Liberal contracts; free deed in event of death; extension on account of sickness. Send name and address for free illustrated booklet and maps giving complete details. Plant a few dollars in the coming city of Western Canada. It will be safe and grow fast. Thousands have made fortunes by investing in great cities during their early stages. Hazelton is destined to be one of the mighty cities of the Mighty West. Get in now before the railroad—before the prices soar. Old responsible firm. Representatives wanted everywhere.

CANADIAN NATIONAL INVESTORS, LIMITED.  
310 E. Hastings St. West, Vancouver, B. C., Canada.  
Capital \$100,000. Assets over \$300,000.

**Seedtime Pleasures.**

I've just received a catalog  
Fresh from the seedman's store.  
A gorgeous book of fruits and flowers  
And vegetables galore;  
And I can hardly wait until  
The winter's ice and snow  
Melt from my well-loved garden plot  
To spade and rake and hoe.

For in this catalog I find  
New radishes and peas,  
Six kinds of lettuce, eight of corn—  
I want to try all these;  
Cucumbers slim, cucumbers fat,  
And limas short and tall,  
And melons, cabbage, beets and greens—  
I want to try them all.

Tomatoes, ten varieties,  
And onions white and red,  
Asparagus and celery—  
I want of each a bed,  
And turnips early, turnips late,  
Potatoes by the score,  
And squashes, my! Don't say a word,  
A dozen kinds or more.

I herewith thank the seedman kind  
For sending me his book.  
When all these things are coming on,  
How pretty they will look!  
And when the frost has left the ground,  
Amidst the robin's song,  
I'm going to plant my total plot—  
Twelve feet by twenty long!  
—Joe Cone.

**An Army Question Affecting Us**

**THE HAY AMENDMENT.**

The farmers of Kansas, Missouri and Oklahoma, as well as the people of the United States as a whole, may well be interested in the Hay amendment to the army appropriation bill. This bill already has passed the house. It cuts off five of the 15 regiments of cavalry, reducing the most effective and useful branch of Uncle Sam's small army by a third of its total strength.

Without cavalry an army of foot soldiers is as helpless as a blind man in a fight. It is the cavalry that keeps it informed of the enemy's movements. In case of an invasion cavalry would be needed to harass and delay the invaders while our volunteers were mobilizing. During the recent trouble with Mexico we did not have enough cavalry to police the little Mexican border. Even Mexico has more mounted men than we have. While it is true we are a peace-loving people, we know war has not as yet gone out of fashion among nations.

However, there are other reasons why the states of Missouri, Kansas and Oklahoma have a vital interest in the up-keep of the cavalry service. There are three large garrisons and one remount depot, respectively, at Fort Leavenworth and Fort Riley, in Kansas, and Fort Sill and Fort Reno, in Oklahoma. These posts, with the exception of the first, are entirely made up of cavalry and field artillery—mounted troops. So, also, is a portion of the Fort Leavenworth garrison. The supplies for these posts particularly grain and hay, are purchased in this vicinity. And nearly all of the horses for the entire army are bought in Missouri.

It is well known to military experts that it takes fully a year to train the raw recruit into a fairly good cavalry soldier. To make him an expert takes two years or more. He has to be taught how to ride and train his horse, how to shoot well with his rifle and revolver, and how to handle a saber expertly. In addition to this, he should be trained in the ordinary duties of a cavalryman, in scouting, patrolling, reconnoitering, etc.

Day by day we are getting to be less and less a nation of riders. The cowboy is practically a thing of the past and horsemen, such as our country boys were 20 or more years ago, are much fewer. The farmer's boy now goes to town in an automobile or buggy.

Furthermore, owing to this lack of riders, the breeding of horses suitable for cavalry is almost a thing of the past and in case of war it would be almost impossible to supply our needs. Missouri horsemen in appreciation of this fact recently organized an Army Remount association to take up this branch of the industry. Should the Hay amendment pass both branches of congress, it would take years to undo the mischief of its mistaken policy if nothing worse resulted.

**As to Rolling Potatoes.**

Mr. Editor—In some potato regions it is the practice of growers to run a plank or roller over the fields directly after planting. It is the idea that the pressure will imbed the seed piece in the moist earth below and so secure a quicker start and a better stand. The fields are usually very dry and lumpy on top at this time and there is great doubt if the plank ever does much good. The

roller undoubtedly has some effect, but more often than not, the soil is compacted and smoothed by the roller or the plank so that when heavy rains come a serious mechanical injury is done to the

condition of the ground. Many growers, even in districts where the practice is common, do not think it wise to plank or roll. It seems to me very doubtful if it is wise to use the extra time and

work. I would be glad to have friends of the practice write in its defense.  
C. L. Fitch.  
Colorado Experiment Station, Fort Collins.

# You Can Get a Used Car at 33 1/3 Off if You Buy in 30 Days

## Write For Our Installment Proposition

**T**HE M. E. DALTON COMPANY, Inc., has been organized as a clearing house to buy from responsible dealers the best used cars in the market, and to sell direct to buyers at prices which only the dealer was allowed in the past.

Here are the reasons why we can do this. Note them carefully:

We have ample capital and buy for cash the best used cars taken in trades by dealers and manufacturers.

We are not restricted by agency contracts covering your territory as is the distributor of new cars who must allow a profit to your local dealer.

We rebuild the cars in our own shops and our labor does not cost you 100% profit.

We buy only from responsible concerns, which entitles us to the lowest net price on all parts. This makes it possible to put in new parts practically as cheaply as we can repair the old.

When you buy a used car in the ordinary way you pay the dealer the amount he guessed the car was worth when he took it in trade, plus the cost of selling it and perhaps a coat of paint.

We buy the car cheaper than he can, rebuild it completely and sell it to you at a lower price than you would have to pay if you could buy it direct, which you cannot. That is because we buy and sell in quantities.

We buy only the best used cars available. If the car is not a good buy we do not touch it.

We believe that a buyer of a used car is entitled to the same consideration and attention as the man who buys a new one. Our service policy is based on this belief.

Some of our cars are sold on a part time basis. Write for information about this.

If the car you want is on the market at the price you want to pay, we can get it for you.

# Nine Specials for Nine Days Only

**BARGAIN No. 1**  
1910 Overland Coupe and Runabout Model "40." Fully equipped with lamps, coupe and cape top, glass front, horn, pump, jack and tools. Special price.....  
**Original Price as Equipped \$1,250**      **\$625**

**BARGAIN No. 5**  
1911 Regal, fore door, 5 Passenger touring, 30 h. p. Equipped with top, glass front, 5 lamps, generator, horn, pump, jack and tools. Special price.....  
**Original Price as Equipped \$1,175**      **\$650**

**BARGAIN No. 2**  
1910 Hudson, 5 Passenger touring, 20-25 h. p. Equipped with top, glass front, 5 lamps, horn, generator, pump, jack and tools. Special price.....  
**Original Price as Equipped \$1,225**      **\$575**

**BARGAIN No. 6**  
1911 Page-Detroit, 4 Passenger or Roadster, 4 Cylinder. Equipped with top, curtains, glass front, prestolite tank, horn, pump, jack and tools, also 5 lamps. Special price.....  
**Original Price as Equipped \$1,100**      **\$500**

**BARGAIN No. 3**  
1910 E. M. F., 5 Passenger touring, 30 h. p. Equipped with top, glass front, 5 lamps, horn, generator, pump, jack and tools. Special price.....  
**Original Price as Equipped \$1,250**      **\$475**

**BARGAIN No. 7**  
1910 Parry, 4 Pass. or Runabout, 32-36 h. p. Equipped with top, glass front, 5 lamps, horn, speedometer, pump, jack and tools. Repainted blue-black body with yellow gears. Q. D. tires. Special price.....  
**Original Price as Equipped \$1,450**      **\$650**

**BARGAIN No. 4**  
1910 Buick, Model 19, 5 Passenger touring, 24 h. p. Equipped with top, glass front, 5 lamps, generator, horn, pump, jack and tools. Special price.....  
**Original Price as Equipped \$1,525**      **\$495**

**BARGAIN No. 8**  
1911 Buick, Model 21, 5 Passenger, 28.9 h. p. Equipped with top, curtains, glass front, generator, horn, 5 lamps, pump, jack and tools. Special price.....  
**Original Price as Equipped \$1,500**      **\$600**

**BARGAIN No. 9**  
Model H Cadillac—1907—5 passenger, 24 H. P. touring car equipped with top, wind shield, 5 lamps, generator, speedometer, horn, pump, jack and tools. Overhauled and repainted Brewster green body with red gear. Special price.....  
**Original Price as Equipped \$2,750**      **\$550**

**SPECIAL OFFER** Mail the Bargain Coupon to Us Today  
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 1/3 per cent off the price you would have to pay for a car of the same type in the same condition anywhere else.

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

Cut or Tear This Coupon Off Along This Line