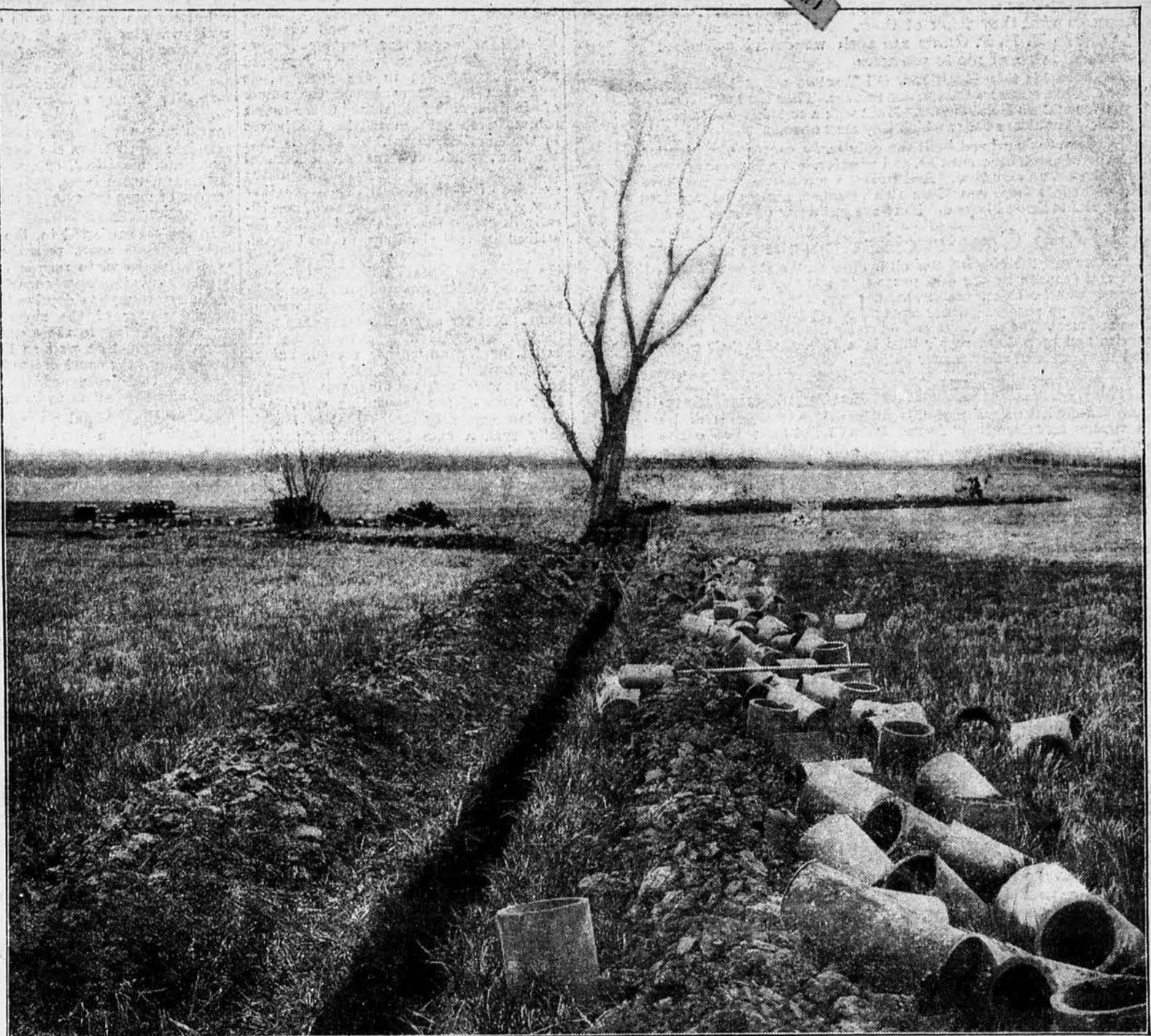


# THE FARMERS MAIL AND BREEZE

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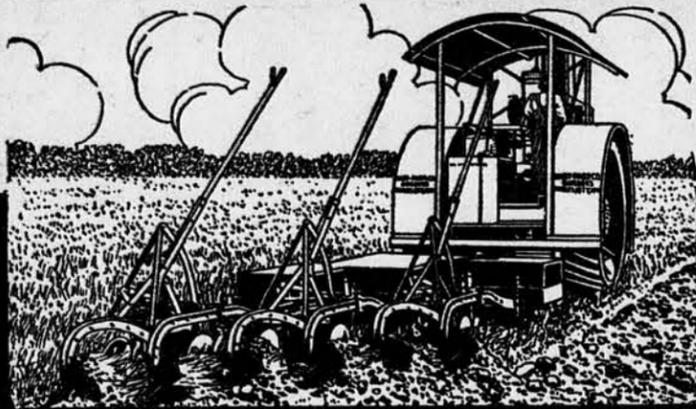


**Tile Drainage Work on State Farm Kansas Agricultural College, Manhattan**

(Note distribution of the tile, the placing of the top soil on one side of the trench and the subsoil on the other. See article on tiling, page 3.)

**A** SERIES of invaluable, practical and suggestive articles by Charles A. Scott, state forester, on best trees for planting in Kansas begins in this number of the Mail and Breeze and will continue through the winter. Mr. Scott's personal advice is also freely at the service of our readers. This week's article is on the Osage orange. Others soon to follow, will take up the Honey locust, Green ash, Kentucky coffee tree and the cottonwood.

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## Capper Has a Majority of Legal Votes

But the Kansas Supreme Court Turns Him Down on Technicalities of Law

From the Topeka Capital:

It is unfortunate for the cause of an honest election return in Kansas that the supreme court in deciding the mandamus case gave slight consideration to the decisions that have been made in similar cases in Massachusetts, New York and other states. These states have taken progressive ground in dealing with election frauds and errors. In an earlier day when ballots were lost or destroyed and re-counts were of doubtful value courts refused to interfere with returning boards except in contests after the certificate was granted. The more modern view of the courts is that they will interfere to protect honest elections, since the Australian ballot laws were adopted and all votes cast, whether counted or rejected, are carefully preserved in independent parcels and therefore easily identified. Such are the decisions in mandamus cases in New York and Massachusetts referred to.

In the Kansas case it was admitted by the attorneys for Senator Hodges that the ballots particularly described as ballots marked in the party circle and then in squares beside the names of individual candidates in the same column were not counted by the judges in the counties named. It happens that the law, while it lays down general rules for judges, guiding them in the exercise of their judgment as to whether any given ballot is valid or void, specifically describes these identical ballots described in the pleadings in the Capper-Hodges case and says of such ballots that the judges CANNOT REFUSE to count them. Yet it was admitted on both sides that the judges did refuse to count them. Not for any other reason, as that there were distinguishing marks on the ballot, or for any other reason, but it was admitted that the only reason the ballots were not counted was because they were of the description given, and the law explicitly states that in identically such a case the ballots must be counted.

Further, had these ballots been counted, or if the supreme court ordered the boards to reconvene and complete their duty by counting these ballots which they in direct violation of the law refused to count, the certificate of election would have to go to Mr. Capper. There were thousands of these ballots and whether they were counted or not easily decided the election.

The possession of the certificate is very important in this case, since pending any subsequent contest the work of the legislature would be done, all appointments made and confirmed, and the entire control of the state government

hinged on whether the certificate should go to one or the other of the candidates for governor. The decision of the court, therefore, while it may be strictly or technically defensible, defeats the intention of the plurality of voters in the late election. Had the more liberal construction of the law been followed as in the eastern cases referred to, the minority would not have been able, by a technicality of the returns, to gain possession of the office during the very time when a successful administration is either made or marred, when the laws are enacted and the administrative appointments made up.

In view of the failure in this case to obtain from the courts an order to prevent a wrong and a false return of the election, if this is in fact the law in Kansas, then the law evidently ought to be changed and brought up to date. Express power can be given the courts to do what the highest court of Massachusetts has seen fit to do on the general principles of law in order that, as a former supreme court of Kansas said in an important case, "the real will of the people may not be defeated by any informality of any officer," or as the attorneys for Mr. Capper said, that the courts may not be "powerless to order a complete count when the lost ballots are found and identified, or else all election laws are a mere farce, and technicalities become of more importance than substantial justice."

In the case referred to, the Massachusetts supreme court recently compelled an election board to refrain from counting 18 ballots improperly marked, holding that any attempt to deprive the supreme judicial power of the right to correct errors of the law in the count would be unconstitutional as well as illegal. For that purpose the court ordered the sealed envelopes to be reopened, the count corrected and the ballots to be sealed again.

Unless the judicial power in Kansas has authority to protect honest elections and the very substantial right of the candidate honestly elected to obtain the certificate, elections are farcical and returning boards can commit any sort of outrage upon the voters. It is a tardy remedy for an honestly elected candidate several months after the election to go before a state senate of the opposing party to get justice, after the courts have refused it, and however it may purport to be in law, it is a very dubious "remedy" in fact. Under this mandamus decision of the supreme court it appears to be the sole remedy, however, in Kansas. The legislature might well strengthen the laws that are intended to safeguard elections in this state.

## Certificate Given to Hodges

George H. Hodges, Democrat, has been granted the certificate of election as governor of Kansas by the state canvassing board. The board officially fixed his majority over Arthur Capper, Republican, at 29.

The issuance of the certificate followed immediately the refusal of the supreme court to grant a rehearing in the Wabaunsee county mandamus action brought by Fred S. Jackson, Robert Stone and George McDermitt, attorneys for Mr. Capper. In the order denying the rehearing the court also dissolved the restraining order against the canvassing board, giving it authority to proceed with the canvass and the issuance of certificates.

The Wabaunsee county case was brought by the attorneys for Mr. Capper to secure the count of the 3,000 or more legal ballots cast at the election but rejected by the election judges because they were marked both in the circle and the squares. These ballots were in Mr. Capper's favor and would have given him a clean majority over Mr. Hodges. No one disputed their legality nor that they should have been counted by the election judges. They are now held by the county clerks in each county in separate envelopes, apart from the regular ballots, and could easily be counted. But the standpat Republican attorneys for Mr.

Hodges, J. S. Dean, late president of the Republican league; A. M. Harvey and T. F. Doran, contended that it was too late to count them at the time the action was brought. Without going into any details in its order the court sustained them, and refused to order the ballots counted.

The mandamus action was against the election officers of Wabaunsee county and sought to compel them to open up and count the legal ballots among those rejected by the election judges. A dozen other cases, in as many counties where conditions were similar, depended upon the decision in this case, and it is estimated 3,000 legal ballots were involved.

The abstract showed Mr. Capper received a total of 167,408 votes and that Mr. Hodges received a total of 167,437, giving Hodges a majority of 29 votes.

When asked whether he would bring a contest for the office of governor, Mr. Capper said: "I have not decided that matter. In fact, I have given it very little thought. I do not doubt for a moment that I was elected by a majority of at least 3,000. I thought the supreme court would surely order the rejected legal ballots counted. It seemed to me that was no more than right and justice to the voters of Kansas, as well as to me. I think Mr. Hodges and his attorneys should have consented to this."

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- How Do You Do Miss Josephine
- I Wonder Who's Kissing Her Now
- I'm Trying the Leaves So They Won't Come Down
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- Any Little Girl That's a Nice Little Girl is the Right Little Girl for Me
- Do In May
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## TILE DRAINING LAND AND WHAT IT ACCOMPLISHES

BY H. B. WALKER

Drainage Engineer, Kansas Agricultural College

A great many farms in Kansas, particularly in the eastern part of the state, would be greatly benefited by tile draining. On such a farm no other improvement will make a greater return for the money invested. Kansas readers of the *Mail and Breeze* who have not as yet given this subject attention will find much useful and interesting information in this article, at a timely season for doing such work. The advice of Mr. Walker is also at their service.—Editor's Note.

**K**ANSAS has thousands of acres of fertile farm lands that are unproductive because of excessive soil moisture. A large amount of such land remains wet even after good surface drainage has been secured. Land that requires underdrainage shows it more or less clearly by some outward sign. It may be a depression across the field, a damp, dark streak across a hill slope, a spot on the hillside, a cracked, glazed like surface, a tightly rolled blade of corn, or the ice stilts of winter. While all these conditions are not noticed generally, they are evident to the practiced eye.



H. B. Walker.

With the tile placed beneath the surface of the soil the action of gravity upon the free water within causes the water table to seek a lower level. At the same time this changes the mechanical condition of the soil in such a way as to increase its capillarity. (Its power to absorb or drain off moisture.) The tile readily offers a means of escape for the surplus water and air replaces the space formerly occupied by it. The action of the air has a tendency to slack compact subsoils, causing them to become finer and more friable. The removal of this excessive water also permits the soil to freeze to greater depths. Tile-drained fields can be cultivated from a week to 10 days earlier than undrained land. Experiments have shown that drained lands are from 5 to 10 degrees warmer than undrained lands and in early spring this is important in the germination of plant life.

Frost does less injury to crops on drained soil. Take two wooden pegs and drive them into the ground in the fall. Place one in a dry soil and the other in wet soil. Leave them until frost goes out in the spring and the result will show plainly what takes place in such soils when planted to wheat, alfalfa or clover. The one placed in wet soil will be heaved several inches out of the wet, while the other will change but little.

It seems startling at first thought that the same method which removes excessive moisture from the soil in times of wet weather also conserves moisture during periods of drouth. The tile drain, by lowering the water table, increases the depth of the seed-bed. The roots of the growing plants, penetrating deeper into the loose, moist soil come in contact with more particles of soil and meet more films of water, hence more moisture is available for plant life.

By absorption of the rainfall through the soil the amount of surface runoff is lessened, also the loss of land by erosion. Tile drainage takes the water through the soil rather than over the surface. Then when barnyard and commercial fertilizers are applied they are not lost by surface washing, but are carried

down and deposited for the use of growing crops. In some cases landowners hesitate to drain their land because they believe it is too flat, but there is little land where there is not sufficient fall for tile drainage. The expense of an engineer will usually save many times his cost in saving excavation through the proper location of the tile lines with uniform, even grades.

In open, porous soils tile lines may be placed farther apart than in the more retentive soils. Spacing of the lines will vary from 60 to 200 feet. Many fields do not require thorough drainage and often a single line of tile properly placed brings the desired results.

Open, porous soils are more economically drained deep than shallow, since the tile will "draw" farther. In deep loam soils and black gumbo tiles should be placed at least 3 feet deep, if the outlet can be obtained for that depth. In the hardpan soils the depth is usually not more than 30 inches, but in every case there should be at least 24 inches of dirt on top of the tile. All laterals should be at least 4 inches in diameter and seldom running for a greater length than 800 feet before increasing to a larger size. Many Kansas farmers are making the mistake of using 3-inch tile.

Post holes dug in the field during wet seasons are valuable to assist in determining the drainage properties of the soil. If water comes in the hole in a thin film around all sides it shows an open, porous soil that will readily drain. If the water comes in only near the surface of the ground and not in the lower part of the hole it indicates a shallow soil underlaid by a retentive subsoil, thus having poor drainage qualities. If no water rises in the hole at all the profitable drainage of the field is doubtful.

Where there are only strips of wet land, due to

natural depressions along the general course of natural drainage, tile lines placed in the lowest part of the wet area, with branch lines running out into the wet side draws, furnish the most economical and efficient method of drainage. This is known as the natural system.

In broad, wet draws that are naturally lower in the center, a main line is usually placed along the natural drainage course through the center, with laterals running out on either side. This method is called the "herring bone" system.

In very flat land the "gridiron" system is used.

It is especially adapted to flat, wet fields requiring thorough drainage. The principal feature of this system is the long, parallel lines of tile and the small number of junctions, thus making it both efficient and economical. If the first cost of construction must be inexpensive, the single line system of parallel drains with individual outlets is preferred.

On land that has considerable fall yet is more or less wet during certain seasons of the year, the "cross the slope" system is frequently used. This consists of tile lines running diagonally across the slope, thus intercepting the water as it flows down the hill. This system not only dries and aerates the land, but it also prevents hillside erosion.

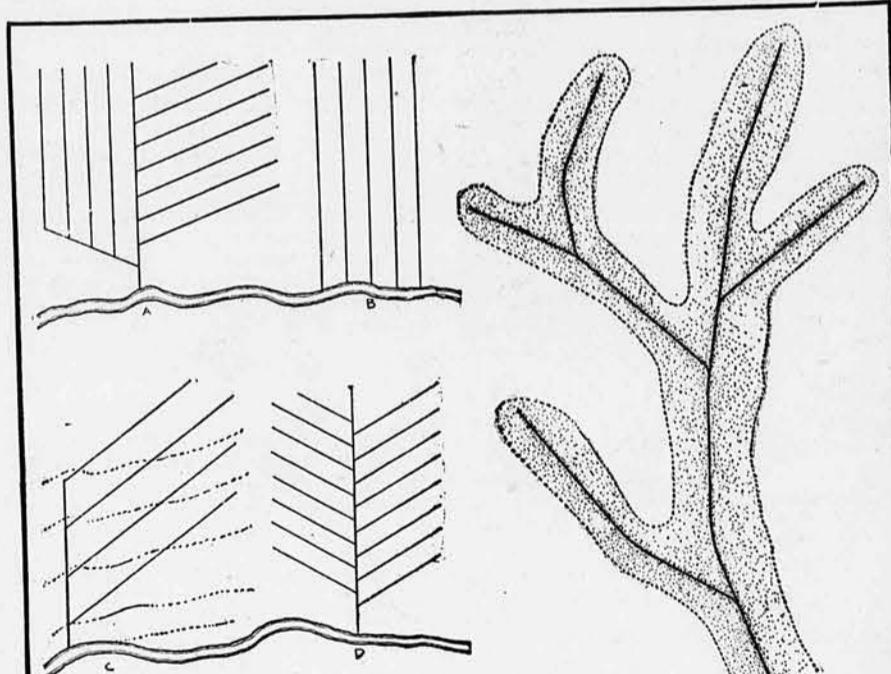
All tile lines should be as straight as practicable and still conform with the natural topography of the surrounding country. Straight sections of the tile should be joined by long, easy curves. Ditches should be carefully lined out with stakes set at least every 100 feet for straight sections, and on curves at least every 50 feet.

For any method of digging, the work must begin at the outlet and proceed toward the upper end of the line. The most essential thing about a trench is the finish and grade of the bottom. The grade line should be smooth and even if satisfactory results are to be expected. Many failures in tile drains have resulted because proper care has not been used in this particular part of the ditch construction. The full depth of the ditch should not be excavated with the spades. The last inch or two should be removed by a grading scoop. The trench must never be dug below the required grade line.

With the bottom of the ditch properly graded the tile may be laid, beginning at the outlet. All tile should be laid as closely together as possible, and where uneven joints are encountered the tile should be turned until the best and closest joint can be secured. If for any reason a crack 1/4-inch or greater is left at a joint it should be covered with a piece of broken tile. Tile can be laid in curved trenches with the ordinary straight pieces, if the ditch has been properly dug, by turning each tile just a little.

Junction tiles should be set where laterals are to enter and these should be "Ys" instead of "Ts." The joints cannot be made too tight for good construction. Water will find its way

(Continued on Page 11.)



A. "Gridiron" tile-drainage system adapted to flat, wet fields. B. Single-line system with individual outlets, a less expensive method. C. "Cross-the-slope" system designed among other things to prevent hillside erosion, or "washing." D. The "Herring bone" system for broad wet draws, main line in center. The leaf-like figure on the right is a diagram illustrating what is known as the natural system in which the line of tile follows the general course of drainage with branches for side draws.

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

**ELECTION ECHOES.** Although it has been more than three weeks since the election, even now it is impossible to get at the exact figures, taking the country as a whole. It is evident, however, that while the Democratic party has scored a tremendous victory so far as the number of offices captured is concerned, the party has not increased its popular vote.

It is now pretty certain that Mr. Wilson has not received more votes than Mr. Bryan received four years ago, but on the contrary, has probably received a few less. This shows that the party has just about held its strength. The masses of that party still have faith that it will better conditions when given power.

There is a great charm about the name Democracy and millions of voters are still held in line by the power of that name. Whether their faith is well founded time only will tell.

To my mind one of the most significant developments of the late election was the large increase in the Socialist vote. When the full returns are tabulated it will show that Mr. Debs received nearly 1 million votes, and yet there was not a single Socialist congressman elected. The increase from a little more than 400,000 votes in 1908 to a million in round numbers in 1912 was pretty evenly distributed over the country and shows a rather remarkable growth of Socialist sentiment and one that is not confined to any particular locality. I look for the same relative increase at the next presidential election.

Undoubtedly if the Progressive party had not sprung into existence this year the Socialist vote would have been vastly greater than it was. I think it would have exceeded 2 millions, but that would not have represented the real growth of the party, for the reason that at least a million votes would have been cast for Debs as a protest, by men and women who are not really Socialists, but who would not have voted for either Taft or Wilson.

What the developments of the next two years may be is a matter of guesswork. It seems to me now that there will be five parties in the field, as there were this time. On the face of it the Democratic party would seem to have a good prospect of sweeping the country at the next biennial election, although still a minority party.

With the Democratic, Republican, Progressive and Socialist parties in the field unless the Democracy splits into irreconcilable factions, in two years it should control in nearly all the states in the Union. In Kansas it ought to be able to elect the entire state ticket, control both branches of the legislature and send a solid delegation to congress. That, however, is assuming that the Democratic party remains as solid as it was at the late election.

If, however, the Progressives and Conservatives in the Democratic party get into a bitter quarrel, the whole situation will be changed. In that event the Progressive and Socialist parties would be the gain-

ers, and I am inclined to think the Progressive party would gain considerably more than the Socialist party. In fact, the Progressive party would, I think, in such an event carry the state of Kansas and a good many other states at the next biennial election.

I would look, however, for the Socialist party to also make substantial gains all over the country and probably elect some members of congress, and if they proved to be as sensible and conservative as Congressman Berger, it would not be a bad thing for the country to have them there.

### THE GOVERNMENT-NORSHIP.

The supreme court of the state has refused to order a count of certain ballots cast at the late election, although it is admitted by both sides in the controversy that such ballots were legal and should have been counted. It is not charged that these ballots were rejected by the election judges through corrupt motives, but through a misunderstanding as to what constituted a legal ballot.

Mr. Capper did not ask for a recount of ballots that had been received and counted, but did ask that certain ballots which had been rejected by various election boards should be counted. These ballots were marked in the circle and then marked after the names of certain candidates down in the column. The statute plainly prescribes that such ballots should be counted.

The election boards, however, in certain cases, without taking the trouble to look up the law, decided that ballots so marked should be thrown out. Just how many such ballots were rejected cannot be told now, but it is almost certain that there were several thousand all told.

It may be that the supreme court was justified by precedent in its construction of the law. I am not disposed to impugn the motives that actuated the judges. I will say, however, that the decision amounts to a denial of justice as I see it. It is true that Mr. Capper has the right to institute a contest before the state senate. It would be a long, harrassing and expensive proceeding brought before a body, the majority of which is politically opposed to him and to say the least disposed to resolve all doubts against him.

I do not in saying this wish to intimate that any of the senators would act either corruptly or even with a deliberate intention to be unfair. We do know, however, that political bodies are very apt to decide close political questions in favor of the majority. But supposing that after a long and expensive contest before the senate Mr. Capper should win. He would have little but an empty husk to show for his victory.

I say, therefore, that the action of the supreme court shows that law, which we fondly imagine furnishes a remedy for every wrong, may on the contrary most effectively protect a wrong. If Mr. Hodges received one majority of the legal votes cast at the recent election, then he is fairly entitled to the office of governor, but it is unfair that he should receive the certificate of election by reason of the fact that certain ballots that should have been counted for his opponent were not counted. As it is, I shall always believe that Mr. Capper was fairly elected governor of the state of Kansas.

### GOVERNMENT ENTERPRISES.

It is now reasonably certain that within the next 12 months the Panama canal will be completed and ships will begin to pass through from the Atlantic to the Pacific.

It is generally conceded that the work on the canal has been pushed with an energy and the work done with a thoroughness that has never been equaled in the history of any great enterprise in the history of the world. Not only has the work been pushed with marvelous celerity, but the workmen have been better paid and better cared for than in any other enterprise anywhere nearly approaching this in magnitude.

The conditions under which the canal has been dug have been as unfavorable as it was possible for them to be. The French contractors failed utterly, partly of course on account of graft, but largely because they took no measures to overcome the unhealthfulness of the climate.

The government of the United States has made the Canal zone as healthful as any other part of the world. It has conquered fevers. It has overcome miasma and reduced the death rate until it is actually below the average even in the temperate zone. All this is important because it answers the old argument that government work is necessarily slow, expensive and inefficient.

The building, or digging, as you may please to term it, of the Panama canal, was a vastly greater and more difficult undertaking than the building of any one of the great transcontinental lines of railroad. There is no reason now to say that the government could not build a line of road across the continent, build it quicker and build it better than any line has ever been built.

If instead of giving away lands sufficient to form a vast empire the government had constructed every great line of railroad from the Atlantic to the Pacific, the people might now own these vast properties free from any bonded debt and problems of transportation would be largely settled. It would not have been necessary, in my opinion, either to

have issued any bonds to build the roads or to have made donations of the public domain to any corporation.

If the government had authorized the issuing of guaranteed stock, bearing a moderate dividend rate, say 4 per cent, the stock to have no voting power, the control of the road to be in the hands of a commission appointed by the government, the people would have furnished the money necessary to build and equip the roads.

The government should have retained the lands it gave away to the railroad corporations for actual settlers. These lands were sold by the corporations sometimes to actual settlers and sometimes to speculators for double or more than double the government price for similar lands. In addition to this the corporations were given what amounted to cash subsidies, from \$16,000 to \$48,000 per mile in many cases.

What should have been done was this: The government should have distributed the lands along the lines of the government railroads to actual settlers in limited amounts and then when the settler was too poor to improve his land, as was often the case, the government should have lent him the money necessary to make the improvements, holding the land as security and permitting the settler to pay the loan in easy installments either at a very low rate of interest or without interest.

Personally, I think the settler should have been required to pay a small rate of interest to the government. This money would have formed a vast revolving fund to be used in the building of other roads as they were needed.

The hard truth is that our government has wasted the property that belonged to the whole people with a reckless prodigality hardly ever equaled. It has done even worse than waste it. It has steadily diverted the property that was a common heritage into the pockets of a few. It has made them immensely wealthy, and worst of all this wealth has gone into the pockets of those least deserving it. It is only fair to say that a great many of the bold, enterprising men who projected these great enterprises did not themselves reap great harvests of wealth.

I am not disposed to criticize the men who projected the first great transcontinental lines of road. It is true enough that at the time it seemed impossible to enlist private capital to build roads out across the great ranges of mountains that ran between the Atlantic and Pacific oceans. Those roads had to cross what seemed almost impassable barriers. They had to be built across vast deserts where there did not seem to be any immediate prospect of getting enough traffic to sustain the roads after they were built.

It is also true that many of the original projectors failed financially and both they and the government that furnished the subsidies lost in the operation. Other men who had endured none of the hardships nor taken any of the risks reaped the eventual harvest. The roads were necessary for the development of the country. It was right enough that the government should assume the burden. What it should have done was to assume the whole burden, and retain the eventual benefits. The people should have built the roads, as they practically did, and then the roads and the lands they developed, the mines they made it possible to open up with their vast wealth, should have been retained by the government for the people.

Of course, this is past history. The mistake was made, honestly perhaps, because there was an almost universal opinion that the government could not successfully undertake such an enterprise as the building of a railroad. I know that talking about it now sounds a good deal like locking a stable after the horse has been stolen, but while we have wasted billions that can, perhaps, never be reclaimed, it is not too late, I think, even now to undertake the task of getting control of the great lines of transportation. They should be appraised at a fair value and stock issued to an amount equaling that appraisement.

This stock guaranteed by the government to pay a dividend of 4 per cent per annum, should be issued in small denominations so that the laboring people might invest their savings in it with safety. The stock should not have voting power for the reason that if it had it would be gathered up by the wealthy few for the purpose of getting control of the lines of road.

The control of the roads should be placed in the hands of a non-partisan commission of experts who would have the management of the roads and fix the rates, which should be based on distance and not as now, fixed by arbitrary and unreasonable rules that give advantage to some localities and place unfair burdens on others.

All of the mines of coal, copper, iron, gold and silver that are not already in the hands of private individuals or corporations should be withdrawn from the market and kept as the common property of the whole people.

In this connection I may say that I have received a little booklet written by my friend, James Willis Gled. Mr. Gled is a railroad attorney and stands up for the rights of the railroads. To this I have no objections whatever.

The title of his booklet is "The Defenseless Railroad Investor." He argues that the railroad investor at present has no security for his investment that may not be overthrown by adverse legislation, unwise management, etc. More especially he inveighs against the legislation concerning railroads.

I agree with him to the extent that I consider our

present method of controlling railroads illogical, wasteful and I think inefficient. We have established an Interstate Commerce commission, which is supposed to have control over all the railroads of the country, at any rate of all lines that cross state lines.

Then each state claims the right to control rates within the borders of the state and as a result there are some 48 different railroad commissions (I believe each state has one) each entirely independent of every other state commission and also independent of the Interstate Commerce commission. Necessarily there is a conflict of authority.

A great railroad like the Santa Fe runs through, or into, 11 different states. A state commission may and not infrequently does make an order to the railroads that is in conflict with the order of the Interstate Commerce commission. If the railroad corporation obeys the order of the Interstate Commerce commission it gets into trouble with the state and if it obeys the order of the state commission it gets into trouble with the government.

As it is now it is popular to talk about drastic control of railroads and the politician wanting to advance his own selfish interests is liable to promise that if the people will only send him to congress or the legislature he will see to it that a proper crimp is put on the railroads. There is, therefore, a continued uncertainty about railroad investments that is a good deal more apt to work injury to the small investor in railroad securities than to the big ones. And this state of affairs will continue under the present system, which really is no system at all.

It can be truthfully said, no doubt, that the average charge for hauling a ton of freight is less in the United States than in any other country on the face of the globe, but it can be said just as truthfully that there is probably more discrimination in freight rates here than in any other country. Just as long as this continues there will be agitation and complaint.

The remedy as I see it is for the people to own the railroads in the way I have suggested. That would relieve the anxiety of this honest investor about whom my friend Gled is worrying. He would know that his investment was secure. It would not be a speculative investment, but it would always be worth 100 cents on the dollar.

Discrimination in rates would cease for the reason that there would no longer be any reason for discrimination. Traffic would follow its natural lines. In case it was cheaper to transport freight by water than by rail it would be transported by water. The freight designed for export would take the natural and shortest course to the seaboard instead of being hauled a thousand miles out of its course as it often is at present.

So far as the cost of transporting freight from an inland town to the seaboard is concerned, the small town in the interior with only one line of road would stand on the same footing with the big inland town.

The great inland cities in this country have been built on advantageous freight rates. They have sapped the life out of the small towns which did not have this artificial advantage. The building up of vast cities is a menace to this republic. Better a thousand times to have 40 flourishing little cities each having not more than 25,000 inhabitants, than to have one big city with a million inhabitants with all its accumulated vice and misery.

James Willis Gled ought to be with me if he is in earnest in his expressions of sympathy for the investor in railroad stocks. He ought to be with me if he is in earnest about getting rid of the pernicious effect of politics on railroads. But I do not think he will be. His pamphlet indicates that he thinks the proper thing to do is for the government and states to let the railroads alone.

Well, he knows that is impossible. The government and the states will never again let the railroads alone. Under the present system the agitation for railroad control will continue. Neither the people nor the railroads will be satisfied with present conditions and they ought not to be, for the reason that present conditions are unnatural and illogical.

**THE RESULT OF A MONOPOLY.** Perhaps the anthracite coal trust is one of the most if not the most complete monopoly in the world. It absolutely controls the market for anthracite coal. It also shows how selfish the managers of a monopoly can be.

When Roosevelt was president the great strike was on among the coal miners in the anthracite region. It will be remembered how Roosevelt took a hand in the settlement of that strike and brought about an agreement in which the miners were granted practically all their demands. Immediately, however, the trust owners proceeded to raise the price of coal to consumers to a point that more than covered all the additional wages they had to pay their employes. Afterward there was another raise in wages.

I think the total amount of increase of wages amounted to between 6 and 7 million dollars per annum, but with that fact as an excuse the monopoly proceeded to boost the price of anthracite coal to a figure that would increase the revenue of the trust some 15 million dollars. In other words, instead of the additional wages coming out of the pockets of the trust owners it came out of the pockets of the consumers and in addition to taking from the consumers all the additional wages paid out, the trust

extracted between 8 and 9 million dollars more than all the raise in wages amounted to.

It is such things as this that make Socialists in this country. There is a growing feeling that if a monopoly cannot be made to do the fair thing it is nearly time for the people to take over its property and run it in the interest of both the laborer and consumer.

**THE COST OF DISTRIBUTION.** In another column will be found a letter from a Socialist. It is written apparently in good temper and by a man who has done a good deal of earnest thinking. He either, however, claims too much for Socialism or else he fails to make clear what he means.

The average reader will draw the conclusion that the writer believes that the average wages of laborers ought to be five times what they are at present. No legitimate business that I know anything about that employs labor could stand any such increase in the wage rate. Any business concern with which I am at all familiar, if compelled to multiply the wages of its employes by five would be forced into immediate bankruptcy.

It is possible, however, that the writer did not mean that the average wage rate is only one-fifth of what it should be. He may possibly have had in mind the difference in cost between the producer and the consumer and concludes that all of that difference goes into the pocket of the capitalist. In other words, it would seem that he assumes that all the enormous difference between the original cost of an article and the cost to the consumer goes into the pocket of some particular capitalist or corporation.

No doubt certain great corporations, or trusts as they are called, through certain monopolistic special privileges get more profits than they are legitimately entitled to. They have compelled the consuming public to pay dividends on fictitious capital, to pay inordinate salaries to certain officials who have power enough to control the corporation and dictate their own emoluments, but even at that there is in most cases a vast difference between what the trust receives and what the ultimate consumer has to pay.

Evidently our system of distribution is tremendously extravagant and it cannot be denied, either, that the burden of it rests most heavily on the people who have to work for wages, because they cannot shift the burden onto somebody else.

The owner of a business block to a considerable extent shifts his share of the burden. He demands enough rental to cover his taxes, insurance, cost of repairs, etc. The renter adds to the cost of his goods enough to cover what he has to pay in the way of rent, and so down the line until it comes to the man or woman who is working for wages—or salary, if you don't like the word wages. This wage worker has to come across for the reason that there is no one that he can shift his share of the burden on to.

However, while it is true that the ultimate consumer has to pay an enormous difference between the original cost of the article he buys and what he has to pay for it, it cannot be said in many instances that the various middlemen who handle the article are making enormous profits. They are not getting rich, as a rule, but the total cost of distribution is something enormous.

It seems to me that in trying to solve this problem the Socialist makes the fundamental error of dividing society into two distinct classes—one class composed of the laborers, the other of the capitalists. As a matter of fact, this is not true. There is a vast number of people in this country who are both capitalists and laborers. It is a mistake, therefore, in my judgment, to attempt to create a class spirit, to array those who have nothing but their labor to sell against those who are mixed capitalists and laborers.

I do not say that all Socialists are trying to do that. Many of them, I think, are not, but they use expressions that create the impression that they are. The problem of production and distribution is a tremendous problem. It is one that will not be solved in a day or a year or in a decade. It requires for its solution the best thought of the most constructive minds in the country. I think the Socialists have some good ideas, but they have no patent on wisdom. The engendering of class distinctions, in my opinion, is a mistake, and will hinder rather than help in the solution of this tremendous problem.

**TAKES ISSUE WITH MR. WHITNEY.**

Editor Mail and Breeze—I have also read your article to Young Voter and must say that I very much appreciated it, as I do all your comments.

I read as well with some interest the view of Socialism by O. D. Whitney, and would like to ask him to make plain to me the reason for his conclusion that Socialism will not work, because it is opposed to human nature—the same old log that has been placed across the track of progress so far back that the memory of man runneth not to the contrary.

He agrees with our contention as to the laborer when he says, "God knows in many cases he is in a pitiable condition." He also admits the lack of honor among men when he says, "Create honor among men by right teaching." He admits the lack of esteem among men as well as love and good will and these are to be implanted by right living. When these things are established we shall have the Utopia. Then to the extent we lack these things we fall short of the Utopia.

So far so good, but how are we to attain this standard? He says by teaching and living. When Christ was in the world he not only taught it but lived it—almost 2,000 years ago. Since that time thousands of devout men have taught it, hundreds

of religious denominations have espoused it, untold millions have been spent to uphold it, yet after 2,000 years of teaching and example, men are asking the question, "Are we growing better or are we growing worse?"

The change ought to be perceptible after 2,000 years of trial, if talk and persuasion are to do the work. Therefore we conclude that teaching without example is fruitless.

How long do you suppose it would take an employer of labor to persuade his men to adopt the Golden Rule, while he by reason of his position in the system exploited them out of three-fourths of their product?

In his last paragraph Mr. Whitney admits that Socialism is a correct theory for correct living voluntarily executed, but never was intended for a system of government. That is true because society has never as yet so intended it (you must not lose sight of the fact that society at large is the intender in matters of government), but I must part company with him when he asserts that it never can be substituted as a system of government because it is contrary to human nature.

How could a system that is a correct theory of living for an individual—and if correct therefore must be natural—become unnatural when a majority that desired to live that system enacts it into law, making it thereby a system of government?

Blackstone's definition of municipal law is, "A rule of civil conduct prescribed by the supreme power in a state, commanding what is right and prohibiting what is wrong." The supreme power in a state is the people. They view a thing as right, hence enact it into law. They esteem another thing as wrong, hence prohibit it by law.

To carry out Mr. Whitney's theory of government we would have to change Blackstone's definition of law and say it is a rule of civil conduct prescribed by the supreme power in a state, commanding what is wrong and prohibiting what is right, because it is contrary to human nature to enact into law what seems to be right for the majority of individuals, or to prohibit by law those things that appear to be wrong to the majority.

What would a lawyer say about that definition? Now, Mr. Whitney, at just what point would we have to change the nature of a man to give him the full product of his labor instead of one-fifth, as we are doing now, or what particular place would we have to commence to change the man who is on the necks of the unfortunate women and children, sucking their life blood in rents, interest and profits?

I can see there would be a change. The laborer would take new courage seeing that he now can look into the future with the assurance of having a home of his own and surroundings suitable for a human being to possess.

I think, too, I can foretell the change in the exploiter as he dismounts from off the necks of his subjects, where he has ridden so long, and straightens out his legs that have become deformed by so much riding.

Yes, it will change human nature as it now is, deformed and crooked from so long trying to adapt itself to the distorted capitalist system, to that natural, child-like, normal condition of hopeful, brotherly, normal manhood. Yes, it will change human nature as it has forever been changing to adapt itself to the environments of a better system of economy. The old chestnut of human nature has served its time as a scarecrow to the persons desiring a co-operative commonwealth. It is very much like the old chestnut, "Competition is the life of trade," that I many times used in my arguments before I became a Socialist.

Whenever I hit an adversary with that chestnut I considered I had him demolished, but by an analysis in the light of political economy as applied to our trusts and combines of the present I found the exact opposite true—that competition is not only the death of trade but death to 90 per cent of the traders.

So when we analyze human nature as to the political economy of the present we find that it has been changed to fit as near as it can be made to fit an unjust system of business. What we must do now is to take off the bandages and let it spring back to its normal position and all will be well.

Hope, Kan.

J. M. ALLYN.

**Fables Up-To-Date**

A foolish pup was discovered one day busily digging around a hole where a badger some years before had established its abode. "You see, mother, how industrious I am," said the pup proudly. "Yes, I observe that," said the old dog, "but seeing that there has not been anything in that hole for at least a year, it occurs to me, my son, that you have a blamed sight more industry than brains."

A fine young turkey gobbler was picked out of a flock and put up to fatten for the Christmas feast. Not being onto the real situation the young turkey was considerably swelled up over what he supposed was a special favor and commenced to strut round the pen and blow about having a stand-in with the boss. An old lean gobbler listened for a spell and then said, "Young fellow, you will probably discover later that when the boss of this establishment begins to stuff you with extra grub he is doing it for his own advantage, not yours." Afterward when on Christmas eve the old turkey saw the carcass of the young bird hanging in the cooling room he remarked, "This thing of being old and tough and lean seems to have its advantages after all."

Two horses were hitched to a load. One was a willing puller, but the other kicked and balked and refused to pull a pound. Finally the man who owned them unhitched the kicker and put another horse in his place. That night, when the willing horse came in weary and covered with sweat, the kicker commenced to guy him, saying, "You infernal fool. You just work and sweat and the more you work the more you have to pull. If you would do as I do, kick and balk, you would get out of work and get a chance to take it easy." "Maybe so," replied the patient work horse, "but I might just say in passing that I heard our master having a talk today with another man who is in the horse beef business. It occurs to me that on the whole I would rather sweat some than to be canned."

## JAYHAWKER FARM DOIN'S

BY H. C. HATCH, GRIDLEY, KANSAS.

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

It has been so dry for the last 10 days that many have deserted the corn fields and are topping Kafir. At almost every house is a big setting of headed Kafir waiting for the machine. If Kafir threshed now and put in the bin heats, it cannot be made dry enough to keep.

Headed Kafir is something that threshes very fast. There is nothing about it to take power and most machines can take the grain off the heads much faster than the separator can handle it. It is very heavy and moves rather slowly and heavy feeding soon clogs the machine with grain.

All grain prices are down this week. Corn is quoted in the county seat paper at only 35 cents while Kafir hardly brings that. It is a very poor time to sell grain of any kind and rather than do it we should make every effort to raise money some other way. We are assuming that need of money is the only thing that compels the sale of grain at such prices.

We also notice in the same paper that old hens are only bringing 7 cents per pound. This is a ridiculous price when we consider that live hogs bring \$7.25 and fat cattle fully as much. Surely poultry ought to bring more per pound than the larger farm animals. Our little market town of Gridley does better than this, however, for there they are paying 8 cents for hens and 25 cents for eggs.

In almost every part of the West the county seat towns are the poorest markets in the county. Every little whistling post that has an elevator pays more for grain and the smaller towns nearly always pay more for farm produce. It used to be said up in Nebraska that the poorest place on earth to sell grain or livestock was at the county seat.

We cannot call to mind a single season in the 30 years we have lived in the West where livestock sold so well at public sales. Horses, cattle, and hogs all sell high and it needs no auctioneer to sell them for they sell themselves as soon as they are put up. Yesterday at a neighbor's sale we saw a fat cow sold for \$98 and the man who got her was a shipper at that. If this isn't a high price for a common cow we don't know what a high one would be.

Corn at this same sale brought 47 and 48 cents per bushel and the buyer had to haul it at that. A section of country south of us lacked rain at the critical time this summer and as a result they are short of corn. Buyers from this dry section brought corn up to the figure given above. It is our idea that very little corn will be sold by the farmers to the elevators at the prices they are now paying.

We have caught up with the plowing on this farm and next Monday, weather permitting, we shall husk for a day or so with two teams until we get some more ground cleared. We will then take the disk and get the stalks in shape to plow under and start the plowing again. You see, we are still banking on having a wet spring some time. We looked for it last spring but it did not come; it will come, however, some of these times. We would also like to see a summer again when we were not putting in full time hoping against hope for rain as we have been doing for the last three seasons.

We do not think Secretary Coburn was quite fair to the Kansas farmer when he made that comparison of crops raised in a five year period 30 years ago with what was raised during the last five. Every Kansas man knows that the last five years have been about as poor crop years as any consecutive five years that could be picked out. Nineteen hundred and eight was too wet, 1909 we had a fine crop season, 1910 was very dry, 1911 likewise and 1912 but little better, taking

the state as a whole. Given average seasons and the Kansas farmer will be found raising more grain to the acre than ever before.

Kansas farmers are not going back. Some farms may be but the great bulk of the farmers farm better than they ever have. They haul out more manure, and pay more attention to crop rotation. That better results have not been secured in the last three years is due solely to dry weather and not to any loss of fertility in the soil. There is not one-fourth of the weeds growing in the fields there were 15 years ago and the farm livestock has improved in quality at least 50 per cent in that time. Horse quality has improved even more than that and any Kansas harness maker will tell you that the size of the horse collars he sells is growing larger right along. There is nothing so much the matter with Kansas farmers as some folks think and if the weather man will only give us a fair deal we will prove it to all doubters.

In a paragraph in this column some time ago we spoke of the first time we ever saw Kafir, which was in 1894 in Nebraska. Since then we have had a letter from C. E. Williams, of Alton, Kan., who says that he first saw the crop growing in 1890, when working on a farm near Portis, Osborne county, Kan. That was a bad season everywhere west of the Missouri river and Mr. Williams had occasion then to notice that Kafir was still nice and green while corn was all burned up. It was the only field of Kafir in that section and many came to see it, attracted by the tales of its drought-resisting qualities. In a postscript to his letter Mr. Williams says:

"You can't say too much in favor of Kafir as it is the best forage as well as seed crop to depend on." If any of our readers can remember an earlier instance of Kafir growing in this state we should like to have him write to the Mail and Breeze, telling when it was.

While this is a poor time to sell grain of any kind, it follows it would be the best time to buy, and if we were going to need grain within the next year we should certainly make an effort to stock up now. Corn, even at 40 cents, is cheap to feed to any kind of farm stock and it will not stay at that price long. The cheapest price we have yet seen quoted in the West is 30 cents in northern Nebraska. In one location in the northern part of that state frost caught much corn and this frosted corn is being offered to cattle men for 25 cents a bushel, the buyer to do the gathering. We should much prefer paying 35 cents for sound corn and have it picked for us. We have had considerable experience in feeding frosted corn and know that it is poor stuff compared with corn that has matured properly. Most of the Kansas corn this year is of good quality and it will pay to hang onto such grain until next spring.

Sawing machines are getting quite plentiful in this section and we think we shall have to get up a wood pile this winter. There is plenty of timber along the creek that will make pretty fair wood and we might as well burn it as to let it rot. With a sawing machine a big pile of wood can be worked up in a short time but if the sawing all had to be done with a crosscut or by the bucksaw we are afraid our wood pile would not be very large. In fact, even with a sawing machine fuel can be made to cost pretty high if we put any value on our labor. It is a fact that spare time can be used for the work that makes it possible to get up a wood pile. If all the help had to be hired at full wages wood would be costly fuel here even if the timber was furnished free. Wood and cobs make good fuel for spring and fall and for that reason we shall get up some wood. It is not to save money that we get the wood instead of burning coal; it is because those who cook demand it.

### Preparing Ground For Alfalfa

I have a 2-acre field fenced in hog tight which I would like to sow to alfalfa next year (1913.) This was in alfalfa till 1911, when it was plowed and put in oats. This year half has been in Kafir and half in rape. Shall I plow this fall and seed next spring? Or could I sow in rape next spring and seed to alfalfa in fall of 1913? Should I manure it?—H. N. H., Saline county, Kansas.

If the spring is favorable it may be best to seed the alfalfa early next spring, but it is not advisable to plow, better prepare seedbed by disking or harrowing. Plowing at this late date will leave the ground too loose to make a good seedbed for seeding alfalfa next spring.

The plan you propose, to plant rape on this ground next spring and seed alfalfa early next fall may work all right if the rape is pastured down or removed from the ground early enough so that the alfalfa may be seeded about the first of September. It will not be advisable to plow the rape under because this will leave the ground loose with a tendency to dry out and not in a good seedbed condition for starting alfalfa.

The seedbed should be prepared by disking or harrowing after the rape is removed.

The best plan, since you have only a small area, and are anxious to get it seeded to alfalfa, is to plow in June and give surface cultivation the rest of the season in order to destroy the weeds and conserve the soil moisture and put the soil in firm, well pulverized, good seedbed condition. Seed the alfalfa about the last week in August or the first week in September, preferably after a good rain.

It will be a good plan to manure this field during the winter or early next spring with well-rotted manure which may be plowed under or mixed with the soil by disking. A light dressing of manure after plowing will do no harm, but may not be necessary since it seems that this soil is now in a good state of fertility. You should remember however, that the preparation of the seedbed and the condition of the soil at the seeding time are very important in starting alfalfa and in securing a permanent stand.

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# Ways=Means=Results

Worked Out by Mail and Breeze Readers

## Re-Seeding Prairie Grass

Mr. Editor—In a recent issue of Farmers Mail and Breeze I noticed an inquiry about re-seeding prairie grass on cultivated land. I am sending you a seed head of prairie grass with which I have had good success in seeding on undesirable land close to rock. I prepare the ground the same as for any other grass. It is not necessary to sow it very thickly as it will soon spread if not pastured and if weeds are mowed off before seeding time, which is in August. This grass is not as large as bluestem but is hardier. I gather the seed by hand.

E. E. Neal.

Williamsburg, Kan.

[The term "prairie grass" includes a number of different varieties of wild grasses. The seed head Mr. Neal sent is the common variety known as Gramma grass. It is sometimes called "side oats" and is a member of the mesquite family of grasses. Other well known varieties of prairie grass are bluestem and wild timothy.—Ed.]

## If You Have No Tool Shed

Mr. Editor—For those who haven't sufficient shed room for their implements, I can recommend the following: Take off the doubletrees, tongues, moldboards, shovels, and all other perishable parts and put them away in the barn loft, corn crib, smoke house, etc. These parts include practically everything that ever gives out in the use of a farm tool. One can usually find a place for walking plows complete. Give all parts that scour, such as moldboards, cultivator shovels, corn planter runners, etc., a coat of paint or a good greasing with heavy oil or axle grease. In this way one can keep most of the perishable parts of implements in the dry even though there is no implement shed on the place.

T. S. Gough.

R. 3, Chanute, Kan.

## Manuring of Sandy Ridges

Mr. Editor—Three years ago when I moved to this farm there were sandy ridges running through it which had been listed to corn for a period of 15 years and had become so thin by washing down that they would hardly produce stalks, let alone ears. Some of my neighbors said I couldn't raise corn on those ridges. I began hauling out manure and spreading it on the ridges but did not notice much difference till this year. Last winter being a very bad winter, it took a lot of bedding to keep the stock comfortable. I would haul in a load of bedding and haul out a load of manure right from the barn. No manure was allowed to collect. It went fresh from the barn as soon as loaded. I spread this manure on the ridges. This year the corn on the ridges was equal to any in the field and better than part of it, both in quantity and quality.

Harry Leclere

Burton, Kan.

## Should Adopt Krueger's Method

Mr. Editor—For seven years I have kept close watch on Conrad Krueger's method of summer fallowing for wheat in Ellis county and during that time it has proven absolutely successful, giving him an average of 40 bushels of wheat per year. Mr. Krueger was unable to prove to his own boys and his neighbors that his method was the best, until the harvest of 1911 when the old gentleman raised 27½ bushels per acre on 6 inches of rainfall while the boys got 3 pecks per acre.

What I am particularly interested in is to get our farmers to try the Krueger system and personally I believe it should be done on as large a scale as possible. I have suggested the organization of a hard wheat-growers' association, taking in as members such farmers as are sufficiently interested to handle a certain number of acres under the Krueger system of tillage. These members should follow the instructions of an appointed manager. But I meet with opposition such

as, "I would like to see anyone come on my place and tell me how to farm," from a great many farmers.

Then there is the proposition of organizing a stock company, and selling certificates for a sum sufficient to cover the expense of putting a given number of acres of wheat under the Krueger system for two years, turning over the net proceeds from the wheat grown to the certificate holder. This method would be better for advertising the state and also getting local farmers interested. Of course this plan would have to be put before the people as a chance proposition and they would need to understand that there is a possibility of losing. But Mr. Krueger has made more than 100 per cent each year on an average. If

olling leather of any kind, and harness in particular. An ordinary set of double harness will require from ½ to 1 gallon of oil, depending on the dryness of the leather. To give a color and polish to the leather, get a few cents' worth of ivory black and mix it with the oil. I warm the oil and as the straps are taken from the washing water, I run them through the oil a few times, wipe them off with a rag and hang them up to dry. If the leather is not soft enough to suit me I give it another immersion in the oil. Someone has said that "five oilings equal a new harness," and I believe it is true for a harness oiled regularly will outlast two or three sets that are never oiled.

B. O. Williams.

Alma, Kan.

## The Crop That Made Most Money

Mr. Editor—Am going to write you about my best money crop. I have

some time to come. Besides, I get the land fertilized, which is worth a whole lot for next year's crop. On the 7 acres, where I had the peanuts last year, the corn made about 10 bushels more per acre. I plant the Spanish peanuts and Dwarf milo. I use a lister and make furrows as I would for corn. Then I use a peanut planter with which I plant every other row to peanuts and when I am through planting the peanuts I change the plates to milo and plant the other rows to milo, working just as I would for corn, with the same implements. If there is a better crop to raise on the farm with less work I would like to know of it.

George M. Classen.

Union City, Okla.

## A Big Crop For a Small Patch

Mr. Editor—Our best crop for this year was sugar pumpkins. To save all work with the hoe that was possible, I thought I would try the corn field. So I had them leave about 12 rows and about 100 feet from the end, listed but no corn dropped in it. I planted pumpkins in every other row (down the row same as corn) and made the hills about 6 feet apart. When we weeded out the corn the pumpkins were tended and whenever the corn was plowed or tilled the pumpkins were tended and that was all the tending they got. And such a crop you never saw.

We are feeding the pumpkins to the cows. The hogs and even the chickens like them and we have lots of pumpkins stored in the cellar yet. I think they are the best paying crop you can raise on a small patch of ground and planted this way it is not hard work. They are fine feed for stock and I believe good feed for laying hens, although have not tried the feed long enough to prove its value for chickens. But we do know they are fine for pies!

N. N. S.

Allison, Kan.

## The Straw Spreader's Work

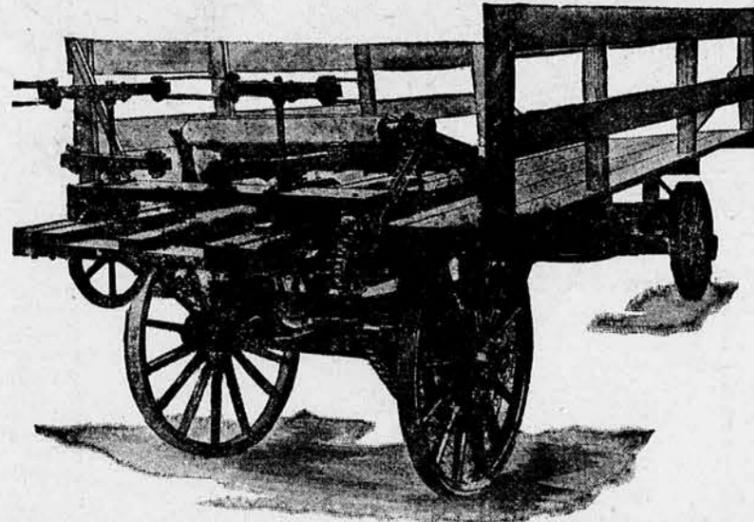
The practice of spreading straw on Kansas wheat fields is increasing as the benefits of the practice become more generally known. To quote W. M. Jardine, of Kansas Agricultural college, one of the most serious defects in Kansas farming is the custom of burning straw stacks. The potash, phosphorus and nitrogen it contains make straw worth \$2.50 per ton for spreading on the land besides the humus it supplies to the soil. Straw is also beneficial in protecting young wheat from high winds and drifting soil. A number of Mail and Breeze readers are using a straw spreader recently put on the market for this purpose. Writing from Great Bend, in Barton county, F. R. Westofer says: "I am using a Simplex straw spreader on my farm. Before buying the spreader I tried it four or five days in both wet and dry straw. It does the work finely, spreading the straw very evenly over a space of from 15 to 18 feet."

George Knop makes the following report on this new tool from Ellinwood: "Ever since buying a straw spreader three months ago, I have been using it off and on, part of the time putting on four horses and spreading 8 to 10 acres per day. I am highly pleased with the work it does both in wet and dry straw. It handles the old stack bottoms just as well as dry straw, spreading very evenly. I wouldn't take \$500 for mine if I could not get another as I consider it has already been that much benefit to my farm. I have written my brother at Preston recommending it to him and advising him to order one for his farm as no wheat raiser can afford to be without one of these straw spreaders."

## White Willows Grow Anywhere

The white willow will grow anywhere that agricultural crops can be grown. The only exception is that the willow is not very tolerant of alkali land. In such places trees like the ash or the Russian olive should be grown. The Diamond willow ordinarily seeks moisture in richer land than that needed for the White willow. I should not expect it to succeed in the dry uplands.

C. B. Waldron.



The straw spreader, a tool long needed by the farmers of the wheat belt, is expected to put the burning of straw stacks out of fashion. Besides the gain in fertility, spreading straw on young wheat acts as a mulch, conserving the moisture and protecting the crop from high winds and drifting soil.

anyone has suggestions to offer along this line I would be pleased to hear them.

Grainfield, Kan.

[Conrad Krueger's method of summer fallowing was given in the Mail and Breeze of September 21, 1912. His future wheat ground is left lying over winter, with stubble and trash on it, to catch and hold the snow. About April 1 he burns off the stubble to kill insects and weed seed, and immediately double disks before the ashes can blow away. About June 1 he plows under the growth of weeds that have followed the disking and a second plowing follows shortly after harvest. The two crops of weeds turned under make excellent green manure. In case the weeds get too growthy before seeding time, a disking follows. He sows after September 15. All disking, plowing, and drilling is done east and west.—Ed.]

## The "How" of Oiling Harness

Mr. Editor—In this day of high priced harness a good oiling about three times a year represents time and labor well spent. This is a good job for a stormy day in December. Take plenty of time to do it right. First comes a thorough washing to remove dirt and sweat. Strong soap suds, warm to the hand, and a stiff brush, make the washing easy. In the long run I find neats-foot oil is best for

30 acres. Fifteen acres are in peanuts and the other 15 in milo planted in this way, one row of peanuts and the next row of milo. I gathered the large heads of the milo and it threshed 30 bushels per acre. I let the small heads stay on the stalk. I now have 100 head of hogs on these 30 acres and they are doing their best eating the small heads of milo and rooting out the nuts. All I have to do is to supply plenty of water. The best part of the game is there is no slopping and feeding to do. I had 7 acres of peanuts and 10 acres of milo last year so I knew what I was doing this year. The 7 acres of peanuts and 10 acres of milo last year made 30 head of fat hogs that sold for \$450. Besides this I had my brood sows and fall pigs fat and they went through the winter with little other feed because they were fat. My other crops such as corn, wheat and oats did not make me a dollar an acre. I have been offered \$5 per hundred pounds for my peanuts but as it is too much work to gather the peanuts and is such good eating for the hogs, I guess I shall just let hogs have them as hogs are high and will be high for

## Delays Now Are Dangerous

The best time to burn out the chinch bugs is before snow covers the grass and stubble. Delays now are dangerous. Let each man act for himself and if possible prevail on one or more of his neighbors to get busy in the same way, in case, for any reason, they cannot work together. The repeated warnings of the Mail and Breeze and the Kansas Experiment station in regard to the grave chinch bug situation are apparently serving a good purpose. The bunch grass in Cherokee county, southeast Kansas on the Oklahoma line, has been found to be alive with the bugs and members of the Antl Horse Thief association in that county are organizing for a systematic campaign of burning them out of winter quarters. In Sumner county, the township trustees appointed a day for the burning of all left over stubble and roadside grass. In all probability hundreds of other communities will be doing the same thing before snow flies. In no other time of year can more damage to the "seed" of the next crop of chinch bugs be done than NOW. Every female chinch bug which winters in the grass will raise a family of 500 next year. Burn them out now. Save next year's wheat and corn.

**You're Next**

Mr. Delryman and Farmer, I've got a real bargain for you on the easiest-to-run, biggest full-producing separator on the market.

**GALLOWAY'S BATH-IN-OIL SEPARATOR**

1912 Model—looks about 10 years ahead of the rest in improve-ments, yet sells **\$20 to \$45 Cheaper** than others charge for their old-type machines.

Test compare, prove it to yourself on 90 days' free trial. Write full address for information. Address of value-able information: Wm. Galloway, Pres., The William Galloway Company, 208CE Galloway Sta., Waterloo, Ia.



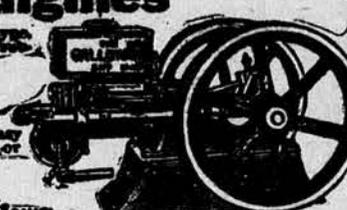
**FARMERS WANTED!**

I want farmers all over the land to learn about my farm engines, my methods of doing business, and low price offer on

**Galloway Farm Engines**

My new 1913 Model Farm Engine is the latest, improved type. Starts all a touch, simplest to operate, cheapest to run, most substantially constructed of all, and sells **\$50 to \$300 Cheaper** than others charge for their old-type machines.

My FREE Book tells how to know a good engine, what you ought to pay for it, how to obtain 30 to 60 days FREE trial, easy payments, and about my 5 year guarantee of satisfaction or money back. Write for book NOW—before you forget it. Address, William Galloway, President, The William Galloway Company, 208CE Galloway Station, Waterloo, Iowa



**Save Money**

I Will Save You \$25 to \$50 on a 1913 Galloway Manure Spreader

My new 1913 Model Spreader with Mandt's new gear is the latest, improved type. Starts all a touch, simplest to operate, cheapest to run, most substantially constructed of all, and sells **\$25 to \$50 Cheaper** than others charge for their old-type machines.

My FREE Book tells how to know a good engine, what you ought to pay for it, how to obtain 30 to 60 days FREE trial, easy payments, and about my 5 year guarantee of satisfaction or money back. Write for book NOW—before you forget it. Address, William Galloway, President, The William Galloway Company, 208CE Galloway Station, Waterloo, Iowa



# WHAT IS A BARGAIN?

(Written by Wm. Galloway, the Farmers' Manufacturer)



**BARGAIN**—"an advantageous transaction" says Webster. Just that and nothing more. It doesn't mean a "fall-in-price," doesn't mean a "come-down" from a former charge, doesn't mean something "cheap."

On one hand, in purchasing, you obtain an article that costs little, one that gives you all of your money's worth.

On the other hand, some one is bled and overcharged to begin with: then when the article becomes *unsalable, a-drug-on-the-market, or depreciates in value*, the price is lowered as a bait to catch the gullible that wouldn't bite before.

## New Models—Fine Improvements In Machinery Are Also Most Desirable

These things mean better service for least cost of operation—greater strength and durability—long life without outlays for repairs.

It isn't hard to find up-to-date machinery if one only tries. Engines, separators, spreaders and other machinery about the farm have been vastly improved in the last few years and the man who buys an old model because the price has been "lowered" will get a "bargain" (?) that is dearly bought.

Last year I thought to myself that with Mandt's New Gear on my spreader that the height of perfection had been reached. But this year brings to you the greatest improvements, refinements, superiorities ever gathered together under a single trade-marked name.

My new spreader, with greater capacities, more liberal measurements, etc., reaches the very climax of spreader construction. I've improved on other models, too, in making my 1913 Model Farm Engines and Manure Spreaders. So when it comes to real quality, you can well be

Separator (See Adv. No. 1). or \$25 to \$50 on a Spreader (See Adv. No. 2), or from \$50 to \$300 on a Farm Engine (See Adv. No. 3) they know it's the truth. They have saved that much money when dealing with me and you can be sure you can do the same.

The space allowed for these advertisements, does not permit the featuring of the exceptional features of superiority in these three new models of mine, nor explain my special low price, introductory offer, five-year guarantee, 30 to 90-day free trial, and what a *Real Bargain* you get. But you can secure all the information by writing me a post-card, stating in which of these machines you are most likely to be interested.

## I Believe That 100% of All Farmers are Honest

and will trust you for anything you want. If you've never dealt with me, you can't understand how easy I make it for everyone to have a *real good, dependable, efficient and reliable engine, spreader or separator*—and at a price that anyone can well afford to pay.

My Easy-Payment Plan is covered in the Free Books; I send upon request. If you are not in the market now,

Real bargains are at a premium. Falsa bargains can be had in everything, everyday, everywhere.

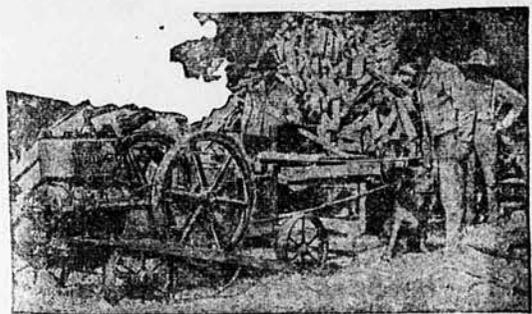
No one can be too careful these days for there are a lot of articles masquerading as "bargains"—articles, while not *absolutely worthless*, give but poor service at best. If this is true, and you know there is a great deal of foundation for this statement, it would be wise—no matter what you want to buy—to deal direct with the manufacturer whenever possible.

One reason is this: The makers are *directly* responsible to consumers for the efficiency, dependability, durability of their product. There can be no evasion of responsibility, no shifting the blame—the manufacturer in *dealing direct* MUST stand by his product.

This direct responsibility of the maker results in his putting all the reliability and service possible into his goods. First, in order to protect his own market with consumers and, second, to prevent losses on goods which would be returned to him on account of faulty construction or the product's not living up to his claims.

## Quality Is the First Consideration of the Farmer!

He wants the best he can get. If it's a farm engine, a cream separator, a spreader, he wants one that will perform month after month, year after year, the same as the day he bought it. So, very often, he listens to a "quality talk" which covers a *h-price*—though called a "bargain"—and he has cau regret it later on.



ONE OF THE MANY USES OF A GOOD FARM ENGINE

That word "Quality" is pretty much overworked. What does it mean? Perfect materials, best materials, superior construction? All essential, of course, but there is something else to consider. For no one can honestly claim *real* quality unless his product be modern, up-to-date, or have superior features of excellence or advantages not possessed by competing machines.

Remember—We carry stocks of our machines at Chicago, Kansas City, Council Bluffs and St. Paul, insuring prompt shipment.



TOP DRESSING CORN WITH GALLOWAY SPREADER ON FARM OF W. J. KELLER, HALSTEAD, KANSAS

guided by the actual, provable superiorities of these three leaders of mine in determining that which is wisest and best to buy—and then you'll get a bargain.

## Where Price Plays The Important Part

Many farm implements are made to sell through the dealer, mail order house, agents, etc., and carry such large profits to allow margins for manufacturer, salesman, jobbers and dealers.

That's why I claim that it's impossible to obtain a *bargain*—"an advantageous transaction"—unless you do deal with the manufacturer of the article you purchase. For when you deal with the manufacturer *direct*, you're bound to save at least three margins of profits, bad debts and useless expenses in effecting a sale.

I, as a manufacturer, tell you this. You can be sure of quality, in buying from the maker, for reasons I stated before. You can be sure of paying only one profit above cost of production too, and, if the manufacturer's product is an improvement over those of his competitor—like my separator, spreader and engine—then you get

## A Combination of All Three, Which Constitutes a Real Bargain

My customers—hundreds in every large neighborhood—will tell you that they are not surprised when I say I can save anybody anywhere from \$20 to \$45 on a Cream

it will pay you to get these books anyway, so when the time comes, you will know what I can do for you.

## My New Selling Plan Allows Me To Cut Prices On Everything

Modern business methods in my factory—buying raw materials for cash—ready money for enormous purchases—taking advantage of all cash discounts—low markets—and the most economical system of manufacturing and selling—gives you all the benefits of manufacturer's cost, plus one small profit.

Everything that comes out of my factory is the best. If you believe me, you'll buy from me. If you buy from me, you'll believe.

## My Books Are Not Mere Catalogs Or Price Lists

I've got the most remarkable "Business Library" for the farmer ever compiled. It consists of books on Farm Power and Engines—Farm Manure and Spreaders—The Farm Dairy and Separators—Farm and Home needs of all kinds—all of which tell you to buy the best for least money.

Tell me which you want most. Or you can have all of them free, postpaid, for the asking. Just state which thing you are likely to buy first so I can write you my proposition and quote prices that will put you on the inside at the start.

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 insuring prompt shipment.

**Either or All of the Helpful, Money-Saving Books Mentioned In Above Article Sent FREE Upon Postal Request—GALLOWAY**

## Dr. Waters For Secretary

The Kansas Man May Succeed James Wilson

So far, a Texas congressman, Willis Moore, chief of the weather bureau, and other worthies, better known for their knowledge of politics than of farming, are the only persons named by the Washington prophets as likely to be selected by the president-elect for his secretary of agriculture. The enormity of such an appointment is probably the strongest assurance that such a choice will not be made. The appointment should and probably will come to a western man, for about 75 per cent of the meat and grain of the United States is produced in the 10 prairie states. In this great productive region, wherever the farm language is spoken or read, the man who of late years has oftenest been mentioned as a possibility for secretary of agriculture, whenever the subject of Secretary Wilson's retirement has come up, has been President Waters of Kansas Agricultural college. In the Middle West

dorsement came from the present secretary of agriculture, James Wilson.

Kansas is now one of the few states having a strong and aggressive leader in agriculture and would not be willing to part with President Waters for any except extraordinary considerations. Whether President Waters is himself willing to give up his successful direction of the largest agricultural school in the world for a place in a president's cabinet is not known, but it does not seem unlikely that he may be given the opportunity. The rank and file of the department of agriculture at Washington has for years been largely recruited from the graduates and faculty of Kansas Agricultural college. Sooner or later it may confidently be expected to supply a head for that department.

### Alsike or Redtop For Wet Field

I have a field in Franklin county, Kansas, that is too wet to raise corn a wet year. To till it would be a difficult task. I had an idea I might sow this field to Alsike along with an oats crop in the spring. I would have the field disked deeply the first time and then shallow, crosswise, to get rid of some of the surplus moisture.—W. S. Jackson county Missouri

Alsike clover is the best clover for wet land, but the land must be drained so the water does not stand on it long, or else the clover will soon drown out. I should advise you to sow Redtop and timothy with Alsike clover. This will make a more permanent meadow. Redtop is one of the best wet land grasses and timothy thrives with a plentiful supply of moisture.

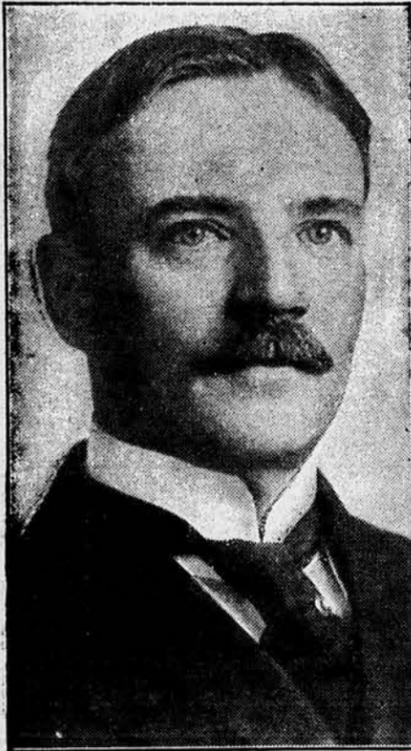
If the soil is wet you will not be able to disk it early in the spring. Disk it or plow it this fall, and if the land can be surface-drained at all, run some deep furrows across it to take off the surplus water. Preferably plow in narrow lands with deep dead furrows between lands. Harrow with the common harrow as early in the spring as the soil becomes dry enough and seed the clover and grasses with a light seeding of oats, about 1 to 1½ bushels of oats per acre. Sow 5 or 6 pounds of Alsike and 6 or 8 pounds of each of the grasses per acre. Preferably sow broadcast in a well prepared seedbed and cover the seed by a single light harrow. Grass and clover seed should not be covered deeply on such land.

### The Beef-Raising Proposition

A Chase county reader of the Mail and Breeze, Charles Yoakem, found when he marketed a bunch of 61 steers the other day that he had doubled his money on them in six months. As he had fed the steers chiefly on ground Kafir, a little ground corn, and cottonseed cake with plenty of roughness, there was a good margin of profit in it for him.

More of our people should look into the beef-raising proposition. There may not have been profit in it while the industry was changing from range conditions to the present farm basis, but now that the evolutionary process has about run its course is the time to strike the iron. For a number of years the feeding of cattle may continue as a branch of the business, but the better way is to produce the stock, using good beef sires. All indications point to this as being the better end of the argument.

Trial trip until January 1, 1913, for 15 cents, Mail and Breeze, Topeka, Kan.



HENRY JACKSON WATERS  
President of Kansas Agricultural College who is being spoken of for Secretary of Agriculture in the new cabinet.

and Southwest he is considered the one man in the United States best fitted to become a national secretary of agriculture, a place in reality harder to fill than that of president. Born and bred on a Missouri farm, trained in an agricultural college, for years a teacher of agriculture, an authority on animal husbandry, a noted investigator and still a young man in his prime, President Waters's qualifications could hardly be more ideal.

When in 1909 Kansas needed a directing hand and head for its big farm school it found both in Dean Waters, of the Missouri College of Agriculture after the most thorough and systematic search for a college president ever undertaken in this country. The search was prosecuted at various angles but every line led unerringly to Waters and his strongest en-

### What Was the Best Money Crop on Your Farm This Year?

You may interpret this question to mean grain, fruit or livestock; in fact, anything grown or produced on the farm, whether an old standby or something new that you have tried. Whether this crop occupied a small patch of ground, or many acres, or whether it represents an experiment made in a very small way makes no difference. But we would like to have you write out your experience, pretty fully as to the practical details, or tell us how the work was done. The Mail and Breeze wants to include the letter in a general discussion of money crops in Mail and Breeze territory. A year's subscription to the Topeka Daily Capital will be awarded for the best letter received, a Mail and Breeze subscription or extension of subscription is offered for the next three good letters, respectively. Address the letters to Farmers Mail and Breeze, Topeka, Kan., and mail them on or before Monday, December 16.

# The Magic Ticket

## Schwab Clothes Insured "On Your Back"

**FREE**  
With Every Schwab Suit

Here's something new. *Clothes Insurance*, without a penny of extra cost, if you buy the famous Schwab All-Wool Clothing!

The Schwab Guarantee Plan is a great thing for the merchant, and a greater thing for his customer. The best clothiers strongly endorse it.

## Schwab Clothes Are Insured—by the Maker

Schwab Clothes have been "making good" for 48 years. Their *style superiority* and wonderful *wearing qualities* are recognized by millions.

They are produced by Master Designers and skilled operators in the Schwab million-dollar factory.

All-wool, hand-tailored, form-fitting sewn with pure silk and sold at very reasonable prices.

## Styles on Exhibition By Best Clothiers Everywhere

Schwab dealers will be delighted to show you the new styles for Fall and Winter. They will help you select the styles and patterns that suit your *personality*. This expert service is *invaluable*.

**Prices \$15, \$18, \$20, \$25, \$30**  
**Satisfaction Guaranteed or A NEW SUIT FREE**

You will save a tidy sum and secure *guaranteed satisfaction* in any Schwab Suit you select.

The only *time limit* on the guarantee is your own good judgment. Write for the name of the nearest Schwab Merchant. Ask for the new Schwab Style Book. It's Free.

Schwab Clothing Company, St. Louis, Mo.

## Get My Low Price On The Hercules Stump Puller

SEND me your name if you have stumpy land, or even a few stumps in your fields. I want to make you a price that will save you at least 50% on the regular price of the famous Hercules! This is the best chance that you have ever had, to get rid of the stumps in the quickest, cheapest and best way.

### Pull Out The Stumps!

All Steel Triple Power 3-Year Guarantee

Stump land is *loser land, robber land, failure land*. You can't afford to keep stumps. They cost too much money. They take away half the realty value of your land—and they rob you of *big crops that you don't get!* Let me quote you my price on the world's best machine for clearing land.

### You Take No Risk

I'll send the Hercules on 30 days free trial—you to try it in your own way, on the stumps in your fields. If you keep it, you are still further protected by any unqualified 3-year guarantee which insures the free replacement of all broken castings for 3 full years, whether the broken castings are *your fault* or the fault of the machine!

### Write Quick For Big Free Book

You will be glad you wrote. You'll be pleased with the photographs, letters and facts about the Hercules construction. My price will make it easy for you to own a Hercules. Nothing to be gained by waiting—much to be lost. Write me now while my special price offer holds good. Address me personally,

B. A. FULLER, President.  
**HERCULES MFG. COMPANY,**  
328 21st Street, Centerville, Iowa.



# Grow Your Own Posts

Osage Orange For Timber or For Windbreaks  
 BY CHARLES A. SCOTT, STATE FORESTER  
 Written For Farmers Mail and Breeze

This is the first of a series of articles on forestry in Kansas to be contributed this winter to the columns of Farmers Mail and Breeze by Charles A. Scott, state forester, Manhattan, Kan. The articles will appear from week to week, will deal particularly with trees for planting, laying special emphasis on those adapted to western Kansas conditions. He will be glad to answer questions on planting and care of trees, or on any other subject relating to forestry, in this column.—Editor's Note.

THE natural range of the Osage orange is throughout eastern Oklahoma, Arkansas, and southward. The range of the Osage orange for economic planting includes the entire state of Kansas. It adapts itself to a great variety of soils and climatic conditions. It is next to the Honey locust and Red cedar in regard to hardiness in Kansas. Farther north it winter kills severely. Its ability to withstand the climatic conditions of western Kansas makes it one of the very desirable trees for woodlot planting.



Charles A. Scott.

Its ability to withstand the climatic conditions of western Kansas makes it one of the very desirable trees for woodlot planting.

### Growth in Western Kansas.

One of the best examples of the growth the Osage orange will make in western Kansas is found at Hays City. The trees are growing in a hedge row in Big Creek Valley where the water level is about 20 feet below the surface. The soil is a sandy loam. The average height of the trees in the hedge row is about 24 feet and the average diameter, 4 1/2 inches from the ground, is 6 3/4 inches.

A hedge row of Osage orange trees, 18 years old, is growing on V. C. Stutz's farm, about five miles from Utica, Ness county. The larger sized trees range from 18 to 24 feet in height and from 3 to 6 inches in diameter. The soil here is typical western Kansas prairie loam. These trees are growing in a little ravine and have had the benefit of flood waters, but they have never been irrigated. They received good cultivation until they completely shaded the ground and kept down all undergrowth. In addition to the Osage orange, Mr. Stutz has some very good locust, ash, black walnut, and box-elder trees growing along the same ravine in which the locusts are growing.

### Habits and Growth.

The Osage orange reaches its best development in rich moist soil and as far as possible it should be planted on low ground and where it can be given good cultivation. On high dry soils it makes

a slow growth. In its native range it is only a moderate-sized tree.

Under natural conditions the Osage orange develops a short trunk that divides into several strong wide-spreading branches that are usually very crooked. When planted in hedge rows or kept trimmed, a straight trunk free of limbs for 8 or 10 feet may be developed.

To secure the best results, the Osage orange should be planted in rows at least 12 feet apart, and 2 1/2 to 3 feet apart in the row. This width will allow the use of a team and cultivator between the rows, and the cultivation should be continued until the trees shade the ground to the extent of keeping out all undergrowth. The lower limbs must be kept cut off so as to develop height growth.

The Osage orange is a tree that is practically free from insect attacks in

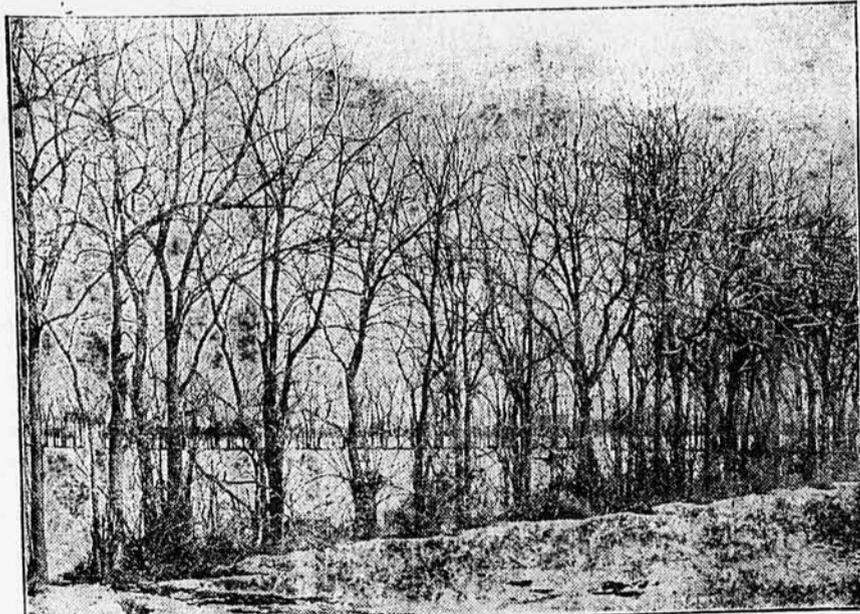


Hedge row of 18-year-old Osage orange on the V. C. Stutz farm near Utica, Ness county. These trees range from 18 to 24 feet in height and from 3 to 6 inches in diameter.

western Kansas, but it is injured to a considerable extent by a borer in the eastern part of the state.

### The Tree's Uses.

The wood is hard, heavy, very strong, and exceedingly durable in contact with the soil not even second to Red cedar in this respect. In this state the wood is used more extensively for fence posts than for any other one purpose. The wood makes an exceedingly hot fire and it is highly prized for fuel. It is a valuable tree for hedges. It has been used more extensively for this purpose throughout the central states than any other tree. For this



This is one of the best examples of the growth Osage orange will make in western Kansas. These trees are growing in the Big Creek valley near Hays where the water level is about 20 feet below the surface. Their average height is about 24 feet, diameter 6 3/4 inches.

purpose, the seedlings are planted 15 inches apart in single rows. After the first year's growth, the tops are lopped at a uniform height to fill in vacancies that may have resulted from plants dying. The hedge may be kept trimmed to a uniform height or allowed to grow at will. When allowed to grow at will, the hedge row makes a very efficient windbreak.

### Methods of Propagation.

The Osage orange reproduces abundantly from seed also from root suckers and stump sprouts. When an Osage orange tree is once established, it is next to impossible to eradicate it.

The seed is contained in the large green oranges that fall from the trees in early autumn. These are gathered and stored in any convenient place where they cannot heat, but where they can decompose. Light freezing does not injure the seed. Prolonged soaking will accomplish the same purpose. After the oranges are reduced to a soft pulp, the seeds are separated from the tissue by washing. After this, they are stratified in moist sand until spring. The seed should be planted in well prepared soil in rows 3 1/2 feet apart. The seedling will make a growth of from 1 to 2 feet in the first season. At 1 year old they are ready to set out in the permanent planting.

### What Tile Draining Land Does

(Continued from Page 3.)

into the tile drain, no matter how close the joints are made. A major part of the water will enter through the lower side of the joint. If soft or cracked tile are laid at all they should be placed in the trench at the upper end of the tile line, as far away from trouble as possible. All branches and laterals should enter the main line at an angle of about 30 degrees. There should also be a drop in the grade line of the lateral drain just as it enters the main line. This drop should be at least 3 inches in the last 3 feet of the grade.

Sufficient earth should be thrown on the tile after they are laid to secure them in their position. The remainder of the filling can be done with a plow, road grader or a drag. A V-shaped drag or scraper pulled with the point behind has been found very satisfactory for a quick and effective method of filling tile ditches. In filling the trench in gumbo soils the tiles should be covered with only a little of the soil from the surface of the ground. Following this a layer of 6 to 8 inches of manure or partly rotted straw should be placed in the trench and the remainder filled with the excavated earth. The manure keeps the earth from becoming compact, thus increasing the drainage properties directly above the tile.

After the tile are laid the lines should be carefully marked, as it is frequently found necessary to extend certain lines. It is always advisable to have sketches made of the farm showing the location of the tile lines, their size, depth, length and grade. A well planned drainage system is a permanent investment and should be carefully recorded.

The following table gives the average price and weight of different sized drain tile, together with the average cost of laying per rod for 3-foot work:

Size.	Price per 1000 feet.	Rods in Carload.	Cost of laying per rod.
3.....	\$ 17.00	485	\$.33
4.....	20.00	394	.33
5.....	27.00	303	.33
6.....	36.00	242	.33
8.....	60.00	152	.40
10.....	90.00	109	.45
12.....	115.00	73	.50

Overdepth in digging is usually paid for at the rate of 1 1/4 cents per inch overdepth per rod up to 6 feet in depth. This is for tile ranging from 3 to 6 inches in diameter. Back filling will cost from 2 to 5 cents per rod.

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# Silage in Steer Feeding

BY W. A. COCHEL

Department of Animal Husbandry Kansas Agricultural College

While in charge of the experimental feeding tests carried on at Pennsylvania State college, Prof. Cochel contributed some valuable data to the fund of knowledge on economic beef making. The experiment which he recounts here is intended to show how far silage may be depended upon, both as a roughage and a concentrate in feeding steers for market.—Editor's Note.

Experiments have shown that the addition of corn silage to rations that are usually fed to fattening animals results in cheaper and more rapid gains, and that its succulent nature causes cattle to shed their hair early and to look more attractive than when fed exclusively on dry feeds. To determine to what extent silage could be profitably used in steer feeding, 24 grade Shorthorn and Hereford steers were purchased on the open market. They showed evidence of an infusion of beef blood upon a "scrub" foundation, but did not possess the weight, type, quality or condition of the best feeding cattle.

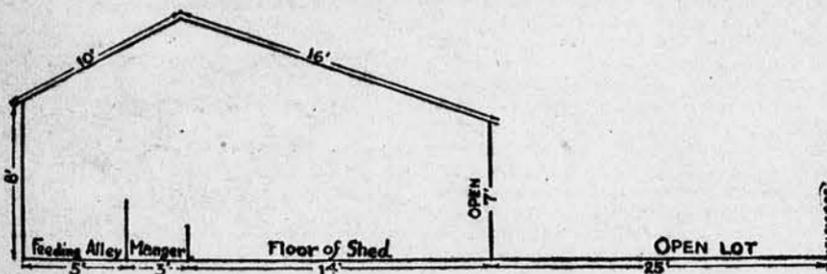
The 24 steers were divided into two lots and given all the silage they would consume and 2 pounds of cottonseed meal per head, daily. As previous experiments had shown that a limited grain ration was more profitable than a full feed during the early part of the fattening process, the steers in Lot 1 were fed approximately three-fourths of a full feed of ear corn during the first two months, after which they were given all that they would eat without waste until the close of the experiment. Lot 2 was not fed any corn until the

corn was fed at 6 o'clock A. M. and 5 P. M. Immediately after the cattle had consumed this, the corn silage was put in the manger and the allowance of cottonseed meal was distributed over it in such a manner that the proportion of meal consumed by each animal would be determined by the amount of silage eaten.

The dry feeds were limited to the amount which the cattle would consume. As the feeding period progressed, the steers would shell the corn from the cob so that the refuse silage contained some corn cobs. However, the chief object was to give each lot all the silage that it would consume so that a limited amount would be left each time. This was utilized for the feeding of other stock on the farm. The steers in Lot 1 ate less silage as the amount of grain was increased, a fact which was even more striking in Lot 2, when the addition of 1,610 pounds of ear corn was made at the beginning of the third month.

### Ate Frozen Silage In Open Sheds.

At the beginning a few steers showed a tendency to scour, doubtless due to the change from hay and dry feed to sil-



PLAN OF OPEN FEEDING SHED USED IN FEEDING EXPERIMENT.

beginning of the third month when ear corn was added to the ration of silage and cottonseed meal, in approximately the same amount as was fed to Lot 1 during the experiment. In each case the ear corn was broken into two or three pieces to facilitate its consumption. A sufficient number of hogs, to prevent waste of grain, was allowed to run with the cattle.

### Only Open Sheds for Shelter.

Each group of steers was housed in an open shed, boarded up closely on three sides, with the south side open. Adjoining the shed was an open lot to which the steers had access continually. Ear

age but that condition lasted only a few days. There were no steers "off feed" during the 18 weeks of feeding. The temperature during January and February, 1912, was decidedly below normal, the winter being the coldest on record. Our stave silo was 18 feet in diameter and the silage in it frequently froze at a distance of from 1 to 1½ feet from the wall. The silage was removed from the whole surface without any attempt to thaw it before feeding. The weather was extremely unfavorable for silage feeding in open sheds, so that the results secured during this period should be entirely conclusive.

There was a very marked variation in the gains of the cattle throughout the winter, as shown by the accompanying table.

### AVERAGE DAILY GAIN PER STEER.

Periods	Lot I.	Lot II.
Dec. 1 to 15.....	2.70	1.51
Dec. 15 to 29.....	2.64	3.07
Dec. 29 to Jan. 12.....	1.97	2.04
Jan. 12 to 26.....	2.80	3.03
Jan. 26 to Feb. 9.....	1.84	3.03
Feb. 9 to 23.....	.96(loss)	.07(loss)
Feb. 23 to March 8.....	2.83	2.63
March 8 to 22.....	1.66	1.32
March 22 to April 14.....	1.27	2.03

### Two Causes of Slow Gains.

Small gains during the third month were due to the regular water supply being frozen, when it was necessary to drive the cattle out of their lots to another source of water. As it was only possible to do this once each day, there were many times when the cattle would refuse to drink, thus being without water for 48 hours. As this condition occurred in each lot, it does not effect the comparative results.

The low rate of gain in Lot 1 during the last two weeks of the experiment was due to the length of time the steers were kept upon the same ration without any improvement in it. From this and other experiments it seems necessary that rations be concentrated toward the close of the finishing period in order that cattle may continue to make rapid gains until ready for market. It would have been desirable in practice to have replaced the ear corn with shelled corn during this period. However, the results

are satisfactory when the conditions and method of feeding with light grates and without dry roughage of any sort, are considered.

### Best Price For Lot 2 Steers.

The cattle were loaded on cars Saturday morning, April 6, 1912, and sold on the Monday following at \$7.20 for Lot 1 and \$7.00 for Lot 2. The shrinkage was practically the same in each lot and was much heavier than in former shipments between the two points owing to a delay enroute. The dressing percentage in the two lots was quite similar though the carcasses in Lot 1 were slightly more attractive, being smoother and more evenly covered.

### SUMMARY OF THE EXPERIMENT.

	Lot I.	Lot II.
Feeding period.....	126 days.	126 days
Initial value per cwt.....	\$5.07	\$5.07
Initial weight.....	10,615	10,560
Final weight.....	13,425	13,260
Total gain.....	2,810	2,900
Average daily gain		
per steer.....	1.86	1.85
Ear corn consumed.....	20,892.5	11,377.5
Cottonseed meal.....	3,167	3,167
Corn silage.....	34,087.9	50,897.2

### DAILY FEED PER STEER.

	Lot I.	Lot II.
Ear corn.....	13.81	7.52
Cottonseed meal.....	2.09	2.09
Silage.....	22.54	39.83
Total cost feed.....	\$319.25	\$252.64
Total cattle and feed.....	\$857.43	\$788.03
Cost per cwt. at close.....	\$ 6.39	\$ 5.90
Selling value.....	\$ 7.20	\$ 7.00
Total profit.....	\$ 18.15	\$ 58.32

### PRICE REALIZED FOR THE FEED.

	Lot 1.	Lot II.
Price received per bushel of corn after paying for other feeds.....	.761	\$1.046
Price received per ton of silage after paying for other feeds.....	\$ 4.65	\$5.73

In the foregoing table ear corn was valued at 70 cents per bushel, cottonseed meal at \$32 per ton, and silage at \$3.50 per ton.

### Better Feed Grain Near Finish.

The summary shows the feeding of corn silage as the only roughage resulted in satisfactory gains in each lot, and that while there was a profit in feeding ear corn throughout the entire feeding period, a greater profit was secured when light feeders, averaging 880 pounds at the beginning, were carried for two months on a ration consisting entirely of corn silage, followed with a grain ration toward the end of the feeding period. In estimating profits, full market value has been allowed for all feeds so as to cover the labor of feeding. No credit is given for pork produced from the droppings or for manure. It is generally estimated that hogs following steers will gain 2 pounds for each bushel of grain fed to cattle. If this additional increase were allowed, the profit in Lot 1 would be increased \$47.84 and in Lot 2 \$26.80 over and above that indicated in the summary.

### Hulls vs. Silage For Cattle

In a recent test at the Texas Experiment station, to determine the relative value of silage and cottonseed hulls, for fattening cattle, silage made far the best showing. Two lots of cattle were fed, one on a ration of silage and cottonseed meal, the other on cottonseed hulls and cottonseed meal. The station officials have given out the following summary of conclusions, based on the results of the test:

Silage was a much cheaper feed than cotton seed hulls and yielded slightly larger gains.

There was practically no difference in the shrinkage of the two lots of steers in shipping.

There was practically no difference in the dressing percentage of the two lots.

The silage-fed steers showed considerably better finish and brought 20 cents a hundredweight more on the market than the hulls-fed steers.

The net profit on the silage-fed steers was \$10.40 a head and the net profit on the hulls-fed steers was 67 cents a head.

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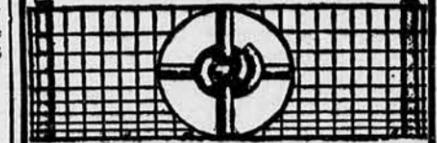
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Kansas' Crop Records For 1912

A GOOD YEAR GENERALLY.

Never has the combined value of the wheat, oat and corn crops of Kansas reached as high a mark as this year. It is placed at \$170,785,666 by Secretary Coburn of the state board of agriculture in his annual report. This is more by 55 million dollars than the corresponding figures on the same crops in 1911. Taken singly, neither of the three made a new record, however. Summarized, the showing of these crops for 1912 is as follows:

Table with 4 columns: Crop, Acres, Bushels, Value. Rows include Winter wheat, Spring wheat, Corn, and Oats.

Kansas Wheat Average Climbing.

Kansas grew more than a fifth of all the winter wheat raised in the nation this year. The crop is greater by 38 million bushels than that of 1911 and stands fourth among the biggest wheat crops the state has raised. In money value it is second.

The figures on acreage given in the foregoing table are based on reports made by the board's correspondents last

general average condition for the state is reported at 91, which is 4 points better than the condition of the crop one year ago. Brown county reports a higher condition than any other, 102 per cent. Next comes Marion and Sumner with 101 per cent each, Harper, Clay, Wabaunsee and Wyandotte 100 per cent, while 63 others report conditions of 90 per cent or better. The crop is furnishing good grazing in many localities.

Less Land in Corn This Year.

The state's corn crop of 156,499,382 bushels, from a considerably diminished acreage, is 49 per cent larger than that of 1911 and the bulkier since 1906. It is worth 17 per cent more than this year's wheat crop and 62 per cent more than the state's biggest corn crop, 273,888,321 bushels in 1889. In other words, 1 bushel of corn this year is worth nearly as much as 3 bushels brought in 1889.

Smith county leads the state this year with upwards of 6 million bushels of corn to her credit. Jewell county adjoining, is second best with a little better than 5 millions, and 11 other counties exceeded the 3-million-bushel mark. Wyandotte county leads with the best average yield, 40 bushels, followed by Leavenworth and Smith with 37 bushels each,

in money value it stands second The average yield is 23 bushels per acre, which is exceeded only by that of 1910 during the last decade. Sumner is the leading county in size of crop, 3,362,756 bushels being her output. McPherson comes second with a little less than 2 million bushels, and next in order follow Sedgwick, Marshall, Marion, Brown, Washington and Clay with more than 1 million bushels each.

Creosote Saves Fence Posts

Is there any method of treating cottonwood posts so that they will last eight years when put in the ground, at a cost not to exceed 8 cents per post for the treatment, writes M. P. L., Blaine, Kan.

The state forester, C. A. Scott, has treated several thousand posts consisting of such species as the cottonwood, soft maple, ash, elm, boxelder and willow with creosote. He finds that it requires from 3 to 8 pounds of the oil per post to give a satisfactory butt treatment. The creosote costs approximately 2 cents per pound. This makes the treatment of posts vary from 6 to 16 cents each in addition to all labor required to give the treatment. Mr. Scott

MAP OF KANSAS SHOWING YIELDS IN BUSHELS BY COUNTIES. Table with 20 columns representing counties and 2 rows of yield data (Wheat and Corn).

MAP OF KANSAS SHOWING YIELDS IN BUSHELS BY COUNTIES. "W" INDICATES WHEAT AND "C", CORN.

May. Complete official returns from assessors, however, show an increase of 130,000 acres over the board's estimate. The average yield per acre for the state is 14.24 bushels, the largest since 1906. On the other hand, prices are the lowest for any year since 1906. Approximately 60 per cent of the wheat crop has already been marketed.

A Million Bushels in 37 Counties.

The central third of the state, from east to west, produced the bulk of the crop, as usual. Thirty-seven counties are in the million-bushel class and of these 32 are in this central third. Reno is the banner wheat county this year with close to 4 million bushels to her credit. Ford is second with more than 3 millions, and Kiowa third, barely missing the 3-million mark. The northeastern counties made the best yields per acre. Brown leads with 26 bushels, followed by Douglas with 25, Shawnee 24, Doniphan, Pottawatomie and Wyandotte 22 each. Atchison, Johnson, Leavenworth, Chase and Lyon 21 each, and Jefferson and Wilson 20 each.

The spring wheat acreage shows another falling off and considerably less than a third of it was Macaroni wheat, which indicates that the durum wheats, so much talked about a few years ago, are not as popular as they once were. Cheyenne and Sherman counties in the northwest part of the state raised 85 per cent of all the spring wheat grown in the state this year.

Horse Disease Delayed New Crop.

The acreage of fall sown wheat may exceed 7 1/2 million acres and is the second largest wheat area the state has known, only 1911 leading it. In most of the counties of the western third of the state sowing was still in progress in November on account of the scarcity of horses. A decided decrease in acreage is reported from Norton, Gove, Decatur, Thomas and Sheridan counties. Using 100 per cent as a satisfactory basis, the

Atchison with 36, Brown, Doniphan and Johnson 35 each, Jackson 34, Jefferson 33, Douglas and Mitchell 31, and Chase and Jewell 30 each. One of the surprises in this year's report is the average yield of corn in some of the extreme western counties. Of the tier bordering on Colorado, Cheyenne averaged 21 bushels, Sherman, Hamilton and Stanton 20 each, Greeley 19, Morton 18 and Wallace 15.

It Was a Good Year for Oats.

The acreage in oats this year was 30 per cent less than in 1911, but the crop was greater than last year's by 32 per cent. In volume the crop ranks sixth among oat crops of previous years, but

has not yet had sufficient time to determine the value of this treatment in regard to the extent of increasing the durability of the post. However, a number of these posts have been used in fences for six years and they are at the present time in apparently as good condition as when set, which would indicate that the treatment is very effective.

Empty bags are worth money. Write the Fredonia Linseed Oil Works for prices. Fredonia Linseed Oil Works, Fredonia, Kansas.—Advt.

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Genasco Ready Roofing advertisement. Includes text: 'The TRINIDAD-LAKE-ASPHALT Ready Roofing', 'Dead or alive?', 'Which has greater strength and resisting power—a dead tree or a live one?', 'Every man who answers that question right knows why Genasco stays waterproof.', 'The natural oils of Trinidad Lake asphalt give Genasco its lasting life.' Also includes an illustration of a house with a roof.

How to Keep Barn Air PURE advertisement. Includes text: 'Send Name For Free Book', 'This FREE Book Tells How', 'More money for you this year if you give your stock plenty of good, pure air.', 'Saves money by increasing health of stock, makes food go farther and do more good—Get the best—the KING AERATOR'. Includes an illustration of a ventilator.

\$10.00 Sweep Feed | \$14.00 Galvanized Steel Wind Mill advertisement. Includes text: 'We manufacture all sizes and styles. It will pay you to investigate. Write for catalog and price list.', 'CURRIE WIND MILL CO., Topeka, Kansas.' Includes an illustration of a windmill.

Free to Every Little Girl! Beautiful Doll Presents advertisement. Includes text: 'I will send this big, handsome life size, sleeping doll, and 31 other all different Doll Presents, all free and express charges prepaid, to any little girl if she, or her mamma, or papa will write me at once.', 'Don't Send Me One Cent!', 'Doll Present Man, Dept. 200, Topeka, Kansas', 'I Prepay Express Charges'. Includes illustrations of a doll, a dollhouse, a doll bed, and a doll table.

## 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.

### Market Value of Silage.

What is the feeding value and market value of silage from corn that would yield 10 bushels per acre?—H. B. Dexter, Kan.  
Silage made from corn which did not yield more than 10 bushels per acre would probably not be worth more than \$1.50 to \$2 per ton. This is assuming the corn was well matured and was put into the silo with the stalks and leaves in a green and succulent condition. G. C. Wheeler.

### Silage for All Farm Stock.

I have a concrete silo 14 by 42 feet which lacks about 10 feet of being full after setting. The corn was quite ripe because I could not get a machine for filling when the corn was at the proper stage. The stalks were green and we kept a stream of water running into the blower all the time. The corn would have made about 20 bushels per acre.  
I would like to buy and feed about 50 head of heifers that will weigh between 600 and 700 pounds but do not know whether I have hay enough for what stock I have and 50 head more. Would expect to feed the heifers about 120 days, and old feeders tell me that without silage it will take about 35 tons of hay. How much hay will it take with the silage? How much corn should they have to start with and how fast should it be increased in amount? I have 100 tons of alfalfa hay and some wheat straw and will have to buy all the corn. Can get corn at 45 cents per bushel.  
I also have 30 head of horses to winter. I usually winter my horses on alfalfa alone. Will it be advisable to feed them some silage, and if so, how much?  
I also have 15 head of stock cows to winter. Should I winter these cows on alfalfa hay and feed the silage to fattening cattle? How about wintering cattle on silage and wheat straw? How much silage should fattening cattle have to start with and how fast should it be increased?—R. H. R., Maize, Kan.

Your silo undoubtedly contains approximately 100 tons of silage. If it was sufficiently moistened during the filling process it probably will be of very good quality. You can begin feeding these 50 heifers practically all the silage they will eat. Silage is essentially a roughage feed and there is little danger of overfeeding. Supply what alfalfa hay they will consume in addition. You will find that the amount of alfalfa hay required to feed these heifers out, will be about cut in two by using the silage in this way.

You will find it usually more convenient to feed the silage part of the ration all at one time and preferably in the afternoon or evening. Of course it will be necessary to feed additional corn and this should be begun gradually, starting with about 2 pounds per head daily. With the prevailing prices for corn and cottonseed meal, I think you will find it profitable to feed from 1 to 1½ pounds daily per head of the latter feed, beginning of course with a much smaller amount and gradually increasing. The corn part of the ration should be gradually increased until they are consuming about all they will clean up with a keen relish. I think you will find these heifers will consume on an average about 20 pounds of silage daily. In all probability they will eat a little more in the early part of the feed than later when the grain ration has become heavier. You should occasionally weigh the amount of silage you are feeding to your animals, so as to have some basis upon which to estimate the amount you are using.

The cheapest way to winter the 15 head of stock cows will be to give them 15 or 20 pounds of silage daily and 6 or 8 pounds of alfalfa daily. In addition you can possibly make use of some of the wheat straw by keeping it in racks so they may have free access to it at all times.

The use of silage will also reduce the cost of feeding your 30 head of horses and colts. Some care should be observed in feeding silage to horses to see that they do not receive any which is moldy or spoiled. I suggest that you make them an allowance of at least 8 to 12 pounds per head daily, depending upon the age and size. The remainder of their rations can be alfalfa. The weanlings and yearling colts should

have a somewhat larger proportion of alfalfa than the older horses since they ought to make considerable growth during the winter period. These colts and yearlings should also have a little grain if you expect them to make a satisfactory growth. Corn with possibly a little bran may be used. Feeding in this way, you will find that you will have an abundance of silage to last you until spring. In all probability you will have some alfalfa left. G. C. Wheeler.

### Belgian and Percheron Marks

What are the distinguishing marks between a Belgian and a Percheron horse? I am unable to tell the difference from what I read in the papers.—A. M. H., Optima, Okla.

The Belgian horse probably is the heaviest, most compact, and the most closely built of all draft horses. The Belgian is noted for its broad, deep middles and short legs. The most common colors are chestnut, bays, browns, and roans in the order named. Occasionally we see a black or a grey. Belgian horses have been criticized somewhat for a tendency to have short, thick necks; short, steep croups, and feet that are inclined to be narrow and high at the heels. The Percheron horse, while compact and blocky, is not so close to the ground as the Belgian. He has a longer stride and is a freer mover. The better type of Percherons have a distinct bold front that is characteristic. About the only colors that Percheron breeders accept are grey and black, although we see an occasional bay and sorrel.

It would be a difficult matter to give a satisfactory description of the differences between Percheron and Belgian horses. The best way to get a clear idea of these two breeds of draft horses is to see and study good individuals of each breed. Therein lies one of the values of our state fairs.

C. W. McCampbell.

Manhattan, Kan.

### No Cholera Without the Germ

Mr. Editor—It is surprising to note the various opinions hog raisers hold as the cause of cholera. Everything from a particular season of the year to acorns and new corn has been advanced and some instances cited as proof. Nothing can be more certain than the cause of hog cholera. It is a specific germ, and although it may be scattered in many ways, its presence is necessary to cause the disease.

It has been deemed impractical to enforce a general quarantine as in some counties the local situation is unfavorable. The best method is to keep hogs where they will be least exposed to contact with animals from neighboring farms. Lots should not be near the public roads. Infection may be carried by running water, sick hogs, and hogs that have apparently recovered, on the feet of men and animals and by birds. Newly purchased swine should be kept from other hogs for at least four weeks. In addition to this, pay attention to the health and thrift of the herd by freeing them from parasites, providing good feed and clean quarters. Slaked lime should be used liberally about the pens and sheds. In case of sick hogs, the law requires that all dead animals be either burned or buried deep with quicklime. Of these methods burning is preferable. Failure to comply with this law is punishable by a fine. All that is necessary to enforce compliance is to report the case to the constable. All litter, wooden troughs, etc., used by sick hogs should be burned. Houses, floors, etc., should be subjected to a thorough disinfection. Jackson, Mo. C. M. McWilliams.

[It is true, however, that hogs fed too much corn have less resistance to disease and are for this reason more susceptible to the cholera germ than hogs in good condition.—Ed.]

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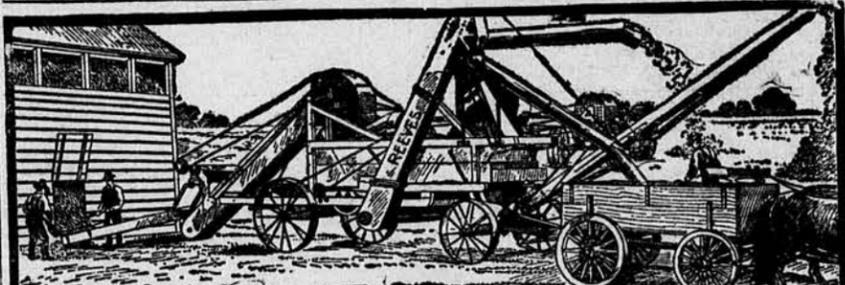
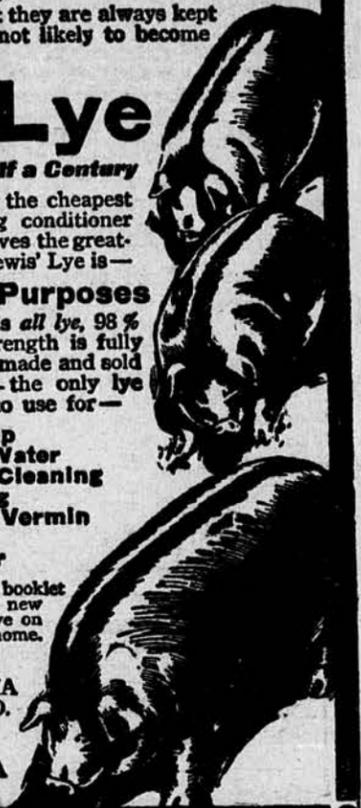
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# Dairy Farming

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.

Veal is high but not high enough to warrant sacrificing a promising heifer calf.

There is not much play about dairying but no other job pays better for hard work.

A little corn meal kept in a box in the calf's stall will make up for the absence of fat in the skimmilk.

It is a bad practice to let cream freeze. Besides being hard to churn it gives the cream an unnatural flavor.

Corn chop mixed with bran or cottonseed meal makes a good grain ration to produce milk. Corn and cob meal may take the place of chop.

I find sugar beets and stock food the best thing to feed a sick cow that will not eat corn. This soon gives her an appetite for any food.—W. H. B., Garden City, Kan.

One of our readers finds glass test tubes, secured at a drug store, make good milk testers. He has one tube for each cow and the thickness of cream at the top shows what each cow is doing.

In winter I work my butter thoroughly until all the buttermilk is out, then add 2 even teaspoons of fine salt to each pound. I print at once and set away in a cool place.—Mrs. C. A., Tonganoxie, Kan.

I find sweet potatoes will make cows give more milk than anything I have tried. I begin with 1/2 gallon per cow and increase to 1 1/2 gallons twice per day. I feed some corn and fodder with the potatoes.—C. Dearman, Hugo, Okla.

### Found On Paying Dairy Farms.

Good cows and a silo.  
Some shoats and chickens.  
Good pasture and careful milkers.  
A milk house and cream separator.  
Good shelter and a manure spreader.

### Corn, Not Hedge Balls to Blame.

Mr. Editor—I noticed an inquiry from A. J. C., of Hallsville, Mo., in which he asks whether the eating of hedge balls could be to blame for the shortage in milk from his two cows. The hedge balls will not decrease the flow of milk but I notice he feeds his cows corn twice a day and right there is the cause of their falling off in milk. Corn is a fattening food but it will reduce the milk flow. Stop feeding the corn and feed bran, shorts, and any kind of vegetable. Then see if the cows will not do better.  
John Voss.

R. 1, Carbondale, Kan.

### Best Machine Is Cheapest.

[Prize Letter.]

Mr. Editor—We know of one standard cream separator that has run more or less continuously for 10 years without repairs except rubbers for the bowl. Another family has a machine of the same make that in 10 years has cost less than \$1 per year for repairs, and it will run 10 years longer. Three cheaper separators have been laid aside after a period of about two years because they did such poor work. Still another machine was beautiful to look upon, simple of construction, and an excellent cream gatherer, but it was such a fierce thing to clean and was always going wrong at the most inopportune time. The thing to do in buying a separator, is to get one on a good fair trial before actually buying it.  
McCook, Neb.

C. Bolles.

### When Butter Was Five Cents a Pound.

Mr. Editor—When I came to Kansas in 1884 I brought two Jersey cows and two

young calves with me. The third week after getting settled we had 4 pounds of butter left over and my wife took it to Clay Center to trade for sugar which was then selling at 9 pounds for a dollar. She went to all the stores but nobody wanted to buy butter so she gave it to the proprietor of a dry goods store. The next week he wanted 4 more pounds like it and from then until he left Clay Center, 11 years later, he paid 15 cents for our butter in summer and 20 cents in winter. Meanwhile the stores did not pay more than 5 cents. One time I had 5 pounds of good, fresh butter over after supplying our customer and I traded it for 3 pounds of axle grease.

In 1893 I bought the first hand separator in the county and although it was too small it served us 16 years and will now do as good work as ever. I paid \$125 for it besides the freight from Vermont. After getting the separator I began keeping account of what our dairy was doing. In the 18 years since then we have made 47,794 pounds of butter, sold 43,088 pounds for \$8,223.78, and used for the table 4,706 pounds. During this time we also sold cows and calves to the amount of \$2,372.25, and we have given 20 animals to our children and grandchildren. We now have five cows and three calves left.

I find it takes about as much feed to make 1 pound of butter as it takes to make 2 pounds of gain on a beef animal. As near as I can ascertain, it takes about 16 pounds of milk when cows are on dry feed, to make a pound of butter, and 18 to 20 pounds while they are on grass.  
S. D. McCluskin.

Clay Center, Kan.

### Feeding Cows For Milk.

Mr. Editor—Many dairy cows are underfed when the requirements for maintenance of the cow's body and for milk production are considered. The feeding value of roughage as prairie hay, corn or Kafir stover, the stalk fields and dry pastures are generally overestimated. In general a cow fed a good and sufficient ration of roughage requires 1 pound of grain to 3 1/2 pounds of milk. For instance a 750-pound Jersey cow, giving 35 pounds of 5 percent milk would require all the alfalfa hay she would consume and 10 or 11 pounds of a grain mixture made of 300 pounds corn chop and 100 pounds bran.

A ration for a 900-pound Shorthorn cow giving 25 pounds of 4 per cent milk would be all the prairie hay she would eat up clean twice a day, a small bundle of corn fodder in the morning, and 7 or 8 pounds of a grain mixture made of 300 pounds bran, 300 pounds corn chop and 200 pounds cotton seed meal.

For a 1,000-pound cow giving 40 pounds of 3 per cent milk, a ration consisting of corn silage, prairie hay, corn chop, bran and cotton seed meal would be made up of 40 pounds silage, 10 pounds prairie hay and 12 pounds grain mixture made up of 300 pounds cotton seed meal, 500 pounds bran, 400 pounds corn chop.

A cow during production should be fed all the roughage she will clean up nicely and 1 pound of grain for each 3 or 3 1/2 pounds of milk she produces daily.  
Stillwater, Okla.

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### School Boards May Open Houses

Can a school house be closed against any sect holding church services there?—M. Z., Concordia, Kan.

School boards are authorized by the state to open school houses for the use of political, religious, literary, scientific, mechanical or agricultural societies, that may wish to hold business or public meetings there. These meetings must be held under such regulations as the boards may see fit to adopt. The board, however, has the power to close the school house for any purpose except the regular school work.

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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. Be sure to state the history of the case, location of the disease and the conditions under which animal has been kept. 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. Answers will be published in turn.

### Remove Warts.

I have a horse 4 years old that has about 50 warts on the end of his nose, ranging in size from a pin head to a 50-cent piece. They appeared this summer. How can I remove them?—A. Y., Oswego, Kan.

We occasionally meet with cases of warts around the horse's nose and mouth. These warts come on rather suddenly and frequently disappear as suddenly as they came. You can apply a little tincture of iodine or castor oil to them. I would not suggest applying any acids as it would cover too great an area.

### Reducing an Enlargement.

I have a colt that got cut in the wire, just above the knee on her right front leg. It was a small wound and soon healed up but left an enlargement. Do you think blistering will reduce it?—F. E. K., Rossville, Kan.

If the enlargement has been there some time I hardly think that blistering will cause it to be absorbed. I would suggest however, that you paint it every third day with tincture of iodine. When the skin becomes a little rough apply a little vaseline until the scales are shed off.

### Rheumatic Pigs.

I have some shoats, weighing about 100 pounds, that have become lame in the front legs. In two of them the legs are swelled up to the shoulder and the hind legs seem to be affected. When lying down their legs tremble. They were out in the field all

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summer but now have good, dry shelter to sleep in. What is your advice?—F. J. S., Wilson, Kan.

It looks as if your hogs were troubled with inflammation of the joints, or it may be a form of rheumatism. I would suggest that you give them enough epsom salts to cause a laxative condition and also give a teaspoonful of sodium salicylate for every three hogs.

### Kafir Causing Trouble.

Five of our horses have the scours from eating Kafir and one has died. Some of the horses were getting the Kafir on the head and others were fed the stalks with oats. Why should Kafir affect them in this way?—F. H., Kingman, Kan.

Kafir sometimes has poisonous effects on stock due to the formation of substances which are more often produced when the growth of the Kafir has been stunted. Sometimes we have prussic acid formed in Kafir just the same as is formed in cane. I would suggest that you feed less of the Kafir and possibly when it becomes drier it may not produce these bad results. The feeding of cane and Kafir should always be carefully done.

### Wart Treatments.

I have a cow that has small pointed warts growing in clusters on her teats. What will remove them? Was told that lumpjaw medicine would take them off but tried it and they are growing right along.—W. E. M., Rago, Kan.

Warts are sometimes difficult to remove especially if they are attached with a broad base. If they are attached with a narrow neck they may be snipped off with a pair of shears. If it is not advisable to remove them with a pair of shears or a knife, we sometimes apply nitric acid or castor oil. If you use nitric acid you should apply it with a glass rod and be careful that you do not allow the acid to come in contact with the healthy skin. I would also suggest that you give the cow 20 or 30 drops of oil of Thuja once daily for a week.

### Hock Swelling.

I have a 5-year-old trotting mare that was injured in a runaway accident about 6 weeks ago. Her hock joint is swelled to twice its normal size and the swelling is hard. Her limb seems a trifle stiff and she stumbles when trotting fast but only limps a little after long drives. What can be done?—E. A. M., Burr Oak, Kan.

It is possible that the enlargement is of a bony nature, or it may be a growth of connective tissue. A few applications of a good blister may cause absorption. Or I would suggest that you try painting it with tincture of iodine every second or third day until the skin becomes roughened, then apply a little vaseline and after the skin becomes smooth and pliable, resume the iodine.

### Clots on Udder.

I would like to have you give me a remedy for clots in cows' teats.—S. F. S., Hill City, Kan.

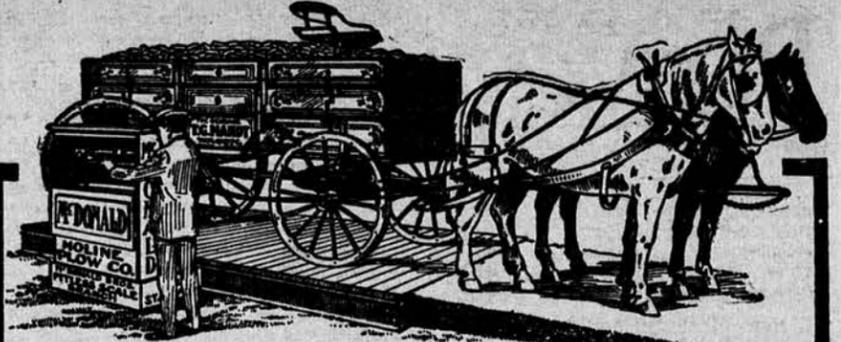
I presume you have reference to the little hard tumors in the cow's teats when you speak of clots. These tumors are of a fibrous nature and usually appear at the base of the teat. Some times they are attached by a narrow neck and are broken off fairly easily. At other times they have a wider attachment, and are not so easy to remove. Sometimes, the enlargement may not be due to a tumor, but may be due to a thickening of the circular tissue around the duct. Sometimes this condition can be overcome by surgical operation, and I would suggest that you see your local veterinarian and he will tell you what he thinks will be advisable, whether you should have it cut or not. Frequently the less done with the udder, the better.

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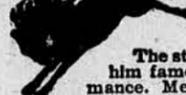
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The Only Girl I Love Shine On Harvest Moon Moonlight I Love My Wife, But Oh You Kid  
Daisies Won't Tell He's A Fan, Fan, Fan Baby Doll You'll Do The Same Thing Over  
The Vale Of Dreams They Always Pick On Me My Dear I Just Can't Make My Eyes Behave  
Call Me Up Some Rainy Afternoon Dreaming Oceana Roll When I'm Alone With You  
If I Should Fall In Love With You Casey Jones Just You, Dear I Could Learn To Love You  
When The Girl You Love Says Yes My Pony Boy Just For A Girl Who Are You With Tonight  
When Mocking Birds Are Singing Naughty Eyes Steamboat Bill Fare Thee Well, Annabelle

# FARM POWER

CONDUCTED FOR FARMERS MAIL AND BREEZE BY E. B. CHALK.

Questions answered about gasoline engines, automobiles, and engine troubles. Give full information about trouble symptoms, kind, type, and make of engines. An answer by mail if self-addressed stamped envelope is enclosed.

## How Much Oil for An Engine.

How much oil should I feed each cylinder of my engine?

I believe this question is asked oftener than any other and there are as many answers as there are makes of engines. An answer that is right for one engine may be so far wrong for another that the engine will soon be ruined, and for a third the oil will be so excessive the engine will not do its best work. In the gas engine cylinder lubrication is somewhat more difficult on account of the high temperature of the cylinder walls. Oil when exposed to heat will burn and turn to carbon so that it is necessary to feed oil all of the time to prevent the cylinder from becoming dry. If too little oil is fed the cylinder becomes dry in spots and soon wears out, and if too much is used the cylinder and the piston will be covered with carbon and the engine will run hot, show a loss of power and will soon begin to knock and pound. And the pounding engine is on the way to the junk heap.

## The Gravity Feed System.

The commonest system of lubrication is the gravity feed. With this system the engine gets all of the oil that it needs and usually wastes about two-thirds of it as it is not properly applied. The usual practice is to use from 10 to 15 drops per minute. The objection to this system of lubrication is that the oil is supplied liberally on the top of the piston, or on the side, and the other side fails to get its proper amount of oil. Or if one side of the piston gets all of the oil that it needs the side next to the oiler is getting too much. This system is used on some of the highest priced engines, however, and it is only fair to say that it gives fairly good results.

## Splash System of Oiling.

Another system of oiling and one that gives a little better results is the splash system. The oil is placed in crank case and the crank dips into the oil splashing it on the piston when it projects out of the end of the cylinder. This system is used on most of the automobiles and if properly designed is very economical. To work properly the oil in the crank case must be maintained at the proper level for if there is too much oil the cranks will dip too deeply in the oil and the pistons will receive too much oil. If the oil level is too low the cranks will not splash enough causing the pistons to run dry. With a constant level splash system where all of the surplus oil is drained off into the oil reservoir I have known an automobile to travel as far as 200 miles on a quart of oil.

## The Newest Way of Oiling.

Another way of oiling that is new but is giving a good account of itself is the one where the oil is placed in the fuel tank. The oil is mixed with the gasoline in proportion to 1 pint to 4 gallons of fuel. The chief advantage of this system is that the engine will never be injured for want of oil, for the oil will last as long as the fuel and when the fuel is exhausted the engine will stop. It has the further advantage of being very saving of oil, for the reason that the oil is properly applied. It is only necessary to see that the oil is thoroughly mixed with the gasoline and when it is once mixed it will stay mixed. The oil is taken in with every charge and as the gas burns, the oil is deposited on the cylinder walls but never in such quantities as to cause the engine to smoke or to cause carbon.

## What the Saving Is in Oil.

With the oil in the fuel lubricating troubles will be unknown and the engine will work better than with any other system while the oil item will be reduced at least one-half. A comparison

of the three systems will show the following cost for oil in running an engine while burning 5 gallons of gasoline.

Gravity feed, 3 1/2 pints at 60c gallon... 26 1/2 c  
 Splash system, 2 pints at 60c gallon... 15c  
 Oil in fuel, 1 pint at 60c gallon... 7 1/2 c

In view of the fact that the oil in the fuel type of lubrication is the best and that the manufacturer could make the engine that much cheaper, it is surprising that more of them do not adopt this system of lubrication. However, there are many men who would not buy an engine with this system of lubrication, though the system is used on most 2-cycle engines.

## Would Help Old Automobiles.

After a man has become used to an engine oiled by the gravity feed oil cup, the amount of oil used in the fuel system does not seem to be enough. The first engine I operated with that system did not seem to be getting too little oil but I wanted to be sure that it was getting all of the oil it needed. After running the engine for a couple of hours I took the cylinder off and removed the piston to make an examination. I found piston and cylinder walls well coated with oil and all of the rings free in their grooves. Although the engine had been running some time, the cylinder was particularly free from carbon. With many of the automobiles, especially some that are three or four years old it would be a decided advantage to put the oil in the fuel and in this way cut down the operating expense. Four years ago the manufacturers had not overcome the lubricating difficulties and some of the systems put out on the cars of that date use from five to six times the oil they should.

## How New System Could Be Used.

Where the cylinders are not oiled by the splash system (and few of them were at that time), the oil could be put in the fuel tank, first cutting off the oil lead that is intended to oil the cylinder. In that way cutting down the cost per mile considerable. In doing this, however, it is well to see that you do not cut off the oil from the piston pin bearing and have it cut out.

In many cases it will be found that the engine is getting too much oil and filling the cylinder up with carbon. By using the oil in the fuel system the carbon can be prevented and the cost of running reduced at the same time. This should appeal to the average driver.

## A Way To Stop Smoking Trouble.

In some towns there is an ordinance prohibiting the running of a motor that is smoking and I have been asked what could be done to prevent the smoking; some saying that they had cut down the oil two-thirds less than the directions with the machine called for and knew that they were ruining their motor by not using enough oil. To these inquiries I have recommended that they use a small amount of oil in the fuel as an auxiliary to their usual oil system and in every case the trouble has been remedied.

## His First Ride on a Motorcycle

W. R. Dreher is an enthusiastic motorcyclist. His father-in-law is—or was—a skeptic. Dreher decided the only way



Notice the pack saddle on this machine, a new feature introduced this year, which may be dispensed with if desired.

to convince him was to take him out for a little trip. So early one Sunday morning, just a few weeks ago, they started—with a very dejected father-in-law in the tandem seat. His face wore the look that seems to say: "I'm re-



"Harvest"—by Vincent Adornis.

# Prosperity

There has been a bumper crop.

This is because the tillers of the soil have been industrious, and the rain and the sun have favored their plantings.

There has been industrial activity.

The makers of things in factories have been busy. They have had work to do and pay for doing it.

There has been commercial success.

The people who buy and sell and fetch and carry have been doing a lot of business and they have been paid for doing it.

The country is prosperous because all the people have been busy.

Good crops and good times can be enjoyed only when the Government maintains peace and harmony.

This task of the Government is made comparatively easy because

the American people have been enabled to become so well acquainted with each other. They know and understand one another. They are like one family.

The producer and consumer, no matter where they live, are close together.

This is largely due to our wonderful facilities for intercommunication. We excel in our railways, our mails and our telegraphs, and, most of all, in our telephones.

The Bell System has fourteen million miles of wire spread over all parts of the country. Each day there are twenty-five million telephone talks all the way from twenty feet to two thousand miles long.

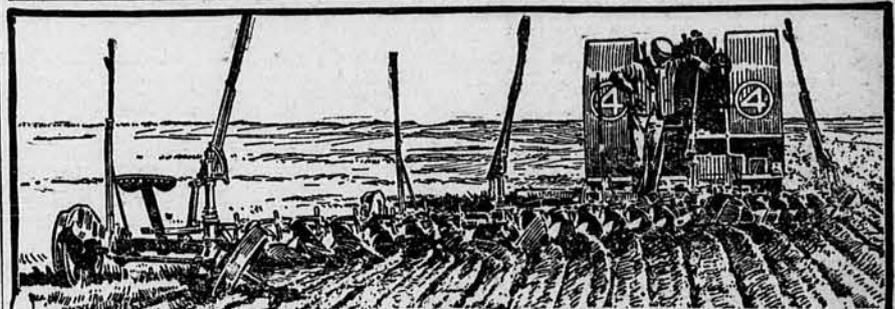
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signed to my fate. But, oh! that I had lived a better life!"

Seven hours later, when they returned, the older man was even more enthusiastic than the younger one.

They had traveled some 10 miles on the trip; and yet the older man vowed that there wasn't a stiff joint or a sore spot on him. They had visited nearby towns, some of which the father-in-law hadn't seen in years, and yet they were back home seven hours after the start, and the "exorbitant cost" of the trip was just—51 cents.

**Farmers Sons Wanted** with knowledge of farm stock and fair education to work in an office; \$80 a month with advancement, steady employment, must be honest and reliable. Branch offices of the association are being established in each state. Apply at once, giving full particulars. The Veterinary Science Association, Dept. 22, London, Canada.

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# Poultry Keeping

CONDUCTED FOR FARMERS MAIL AND BREEZE BY REESE V. HICKS, PREST. 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.

A darkened nest will stop egg eating.

Feed a little more corn as the weather turns colder but don't let the ration be all corn.

Who has a handy contrivance for sprouting oats for the laying flock in winter?

Whole grain is best for the evening feed. It stays with the birds longer through a cold night.

Slaked lime mixed with water enough to make a dough, with some salt added, is relished by the fowls.—Mrs. J. F. Ramsey, Ft. Scott, Kan.

I find hyposulphite of soda to be a good tonic to keep chickens healthy. Use a tablespoonful to each quart of drinking water now and then.—Lucy A. Blair, Whiting, Kan.

One way of improving the farm flock without extra cost is to select a dozen of the best layers, mate them with the best male in the flock and keep these birds in a separate pen. Then save the eggs from this pen for hatching.

A few more letters are needed for this page each week, now that our poultry folks have more time to read. Letters containing helpful information from men and women who have succeeded with chickens, are the kind we like to get. Let's be neighborly.

### Good Cold Weather Feeds.

Mr. Editor—A good feed for hens in cold weather is Kafir boiled in skim milk for an hour. Mix with it all the kitchen scraps and feed warm. Mill run may also be cooked in milk. If you have no bone mill to grind up the bones for the flock, take an old ax and crush them. It works all right and furnishes a food that the fowls need.

Yale, Okla. Mrs. J. E. Campbell.

### How to Make Hot Alfalfa Mash.

[Prize Letter.]

Mr. Editor—During the coldest weather of last winter we fed a hot mash nearly every morning. This mash was made up of corn chop, Kafir chop, oats, and alfalfa leaves from the mow. If you have a large flock, a good way to prepare the hot mash is to put the wash boiler on the stove and heat the water, meanwhile putting the alfalfa leaves and chop mixture in a tub. The hot water is poured over the feed and then stirred with a heavy stick. There was not a day last winter that we did not get some eggs. We believe it was the hot alfalfa mash that was responsible as never before in our 28 years of housekeeping did we get so many eggs in winter. Our house is warm and few of our hens had their combs frosted, even though the thermometer got down to 20 below zero. We have a mixed lot of chickens but my choice pen is made up of Buff Orpingtons. They are good layers and so nice to handle.

R. 2, Pond Creek, Okla.

### December the Month to Mate.

[Prize Letter.]

Mr. Editor—Mating should be done in early December for early chickens are the ones that count whether for market, laying, breeding or the show room. My pens are kept in a sanitary condition with plenty of fresh air and sunlight. There are 4 or 5 inches of straw on the floor and all dry feed is given in this litter. Exercise for the birds is a very important item.

One cannot be too careful in selecting the birds to make up the breeding pen. They should always be the most vigor-

ous and perfect specimens in the flock. If you are not well informed on the selection of high scoring birds it will help you to study the American Standard of Perfection, which is the standard used by most shows.

One mistake often made is the mating of too many hens with one rooster. I have White Crystal Orpingtons and I put seven or eight hens each with my most vigorous males. With the older males I put only four or five hens. It is not safe to mate more than this number with a single male if you want a good hatch and strong, healthy chickens. Eggs sold for hatching from breeders that do not have enough males will turn out poor hatches and this is one thing that gives the business a bad name although the breeders may be honest people.

Neodesha, Kan. A. H. Vanderhoff.

### Reliable Poultry Breeders

#### COCHINS.

PURE PARTRIDGE COCHIN cockerels for sale. Henry Snyder, Piedmont, Okla.

PARTRIDGE COCHINS for sale. Pure bred. Mrs. C. E. Wonderly, Benedict, Neb.

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LENNAPPE STRAIN of Rose Comb Reds. Heavy laying strain. Large vigorous stock, deep red color, absolutely no white. Mrs. A. L. Scott, Larned, Kan.

PURE S. C. REDS. Strong, vigorous, egg laying strain. April hatch now ready. Cockerels \$1.00 up. "We ship no scrubs." Mrs. M. E. Wells, Byron, Okla.

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SINGLE AND ROSE COMB Rhode Island Red cockerels, hens and pullets from best laying and richest colored strains in this country. \$1, \$2, \$3 and \$5. Col. Warren Russell, Odessa Farm, Winfield, Kan.

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S. C. W. L. cockerels. Hens \$3.00 doz. Sarah Rollins, Gretna, Kan.

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SINGLE COMB BROWN LEGHORN cks. from the best laying strains in this country \$1, \$2, \$3 each. Col. Warren Russell, Winfield, Kan.

200 SINGLE COMB BROWN LEGHORN cockerels and pullets. Can furnish utility or show birds cheap if taken at once. G. F. Koch, Jr., Ellinwood, Kan.

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WHITE PLYMOUTH ROCK cockerels, which are large, pure white and healthy with true Rock shape. 1, \$1.50; 2, \$2.75; 4, \$5.25; 6, \$7.50. Mrs. Walter Cline, Versailles, Mo.

#### LIGHT BRAHMAS.

BEST QUALITY of Light Brahmans for sale. Price reasonable. Mrs. Fred O'Daniel, Westmoreland, Kan.

#### SEVERAL VARIETIES.

ROSE COMB REDS, Silver Lace Wyandottes \$1.00. Mrs. Oia Elliott, Delphos, Kan.

CHOICE Single Comb Brown Leghorn and Orpington cks. and hens \$1 to \$5. Mrs. Mattie Story, Cleo, Okla.

LOW PRICES—Thoroughbred stock. Sixty varieties. Special list free. Jordan Poultry Farm, Coffeyville, Kan.

S. C. BUFF ORPINGTONS, B. P. Rocks and large White Holland turkeys. Write James Meberg, Everest, Kan.

SINGLE COMB BROWN LEGHORNS. Bronze turkeys. Satisfaction guaranteed. Chas. Lorenz, Hitchcock, Okla.

KANSAS POULTRY FARMS, Emporia, Kansas. Any variety chickens, ducks, turkeys. Prices lowest. Quality best.

PHEASANTS, Ringneck, Golden and Silver. Also Black Tailed Japanese Bantams. Write Chas. W. Newman, Sabetha, Kan.

STOCK AND EGGS from Black Orpingtons, White Plymouth Rocks, Light Brahmans. Write for prices. L. Gray, Admire, Kan.

43 VARIETIES, Poultry, Pigeons, Ducks, Geese, Turkeys, Guinea, Incubators, Dogs. Catalogue 4 cents. Missouri Squab Co., Kirkwood, Mo.

FOR SALE—S. C. Buff Orpingtons, R. C. Rhode Island Reds, Buff, White and Partridge Cochins, White, Chinese and Toulouse geese, Imperial White Pekin ducks. The above stock is strictly pure bred and scores from 95 to 97 1/2 points. Both hens and roosters (prices reasonable). Write for prices and get first choice. Chiles Poultry Yards (P. O. Box No. 22), Chiles, Kansas.

### BARRED ROCK COCKERELS

Hatched from prize winners and special mated pens. Large, vigorous fellows, splendid markings. Prices \$2 up. Describe wants. C. C. Lindamood, Walton, Harvey Co., Kan.

### Turkey Bargains

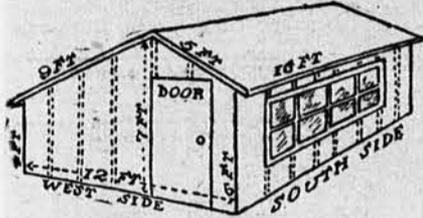
500 M. Bronze, 300 White Holland, 200 Bourbon Red, also several thousand cockerels of Standard Poultry. Write for descriptive circular and prices. Address W. F. HOLCOMB, Mgr. Nebraska Poultry Co., Clay Center, Nebraska.

**A Well Planned Poultry House**

MRS. R. B. HAMMERLI.

[Prize Letter.]

Mr. Editor—I have a poultry house I think is about right. It is 12 by 16 feet, and will house 75 birds with ease. It is 4 feet high on the north and 6 feet on the south. The roof has a 9-foot slope on the north and a 5-foot slope on the south. Studding were set every 2 feet and drop siding was used to board up the walls. The roof is shingled. There are four windows on the south each with a double sash 22 by 28 inches in size and arranged so the



PLAN SHOWING THE EXTERIOR.

top ones may be lowered. We did not want the open front style as we wanted it tight for fumigating and also to keep out beating storms. The upper sash are lowered most of the time and during cold weather we have a muslin curtain to lower over the opening. Roosts are hinged to the north side and may be raised and fastened to the ceiling where they are out of the way for cleaning, etc. A dropping board below keeps the floor in good condition. Nests are placed along the east and west sides. This house has a good cement floor which keeps out rats.

This house admits plenty of sunlight and we have not had a frozen comb or sick chicken all winter. And how they did lay. For two weeks we were unable to get to town on account of bad weather and at the end of those two weeks 35 dozen eggs had accumulated. Besides this we almost lived on eggs during that time as we were out of nearly every-

**The Poultry Advertising Season is Here. Farmers Mail and Breeze is the Best Medium**

All indications point to a better season for the poultry business than a year ago. That means better results for Farmers Mail and Breeze poultry advertisers. This paper continues to be, as for years past, the leader in its class as a poultry advertising medium. It carries the most poultry advertising among farm papers because it gives the best results. Most of its circulation is in Kansas and Northern Oklahoma, and there isn't any better poultry territory anywhere. No other farm paper covers any state so well as Farmers Mail and Breeze covers Kansas. Other poultry breeders are building up a good, steady year after year business by advertising in this paper. Why not you?

**HERE IS PROOF THAT IT PAYS.**

We advertised last spring in 10 farm papers and poultry journals and your paper headed the list in both inquiries and orders. When we have anything to offer we certainly will advertise in Farmers Mail and Breeze.—Armstrong Brothers, Arthur, Mo., Oct. 8, 1912.

The ad I inserted in Farmers Mail and Breeze was entirely satisfactory, as it brought me more orders for poultry than I could fill. Could have sold double the amount of poultry if I had had it to spare. I may send you an egg ad next spring.—Mrs. H. F. Arnott, Sabetha, Kan., Oct. 8, 1912.

We had a prosperous season again this year. We will want space in the paper again next year. We find it always pays well.—Mrs. C. S. L. Wade, Miltonvale, Kan., Oct. 10, 1912.

I have received better results through Farmers Mail and Breeze than through any other paper.—Herbert Rowland, Hanover, Kan., Oct. 10, 1912.

Here is a little ad. Run it until I tell you to stop. If inquiries come in as fast as they always do when I advertise my Mottled Anconas in your paper, you will not need to run it long.—W. H. Hardman, Frankfort, Kan., Oct. 10, 1912.

Since the middle of April I have had all the business I could take care of and of course Farmers Mail and Breeze was responsible for the largest share of it.—Chas. J. Cook, Marysville, Kan., May 31, 1912.

**Circulation Over 104,000 Copies Each Issue Positively Guaranteed**

We have a special, low rate on poultry advertising. Write for it to

**Farmers Mail and Breeze**  
Topeka, Kansas

## How to Make Your Hens Lay More Winter Eggs

Your hens ought to be paying you bigger profits just now than any other time of the whole year. Prices are away up, but fresh eggs are scarce. Hens—your hens—have a tendency to put on flesh during winter instead of producing eggs. This is due to closer confinement, lack of exercise and green stuff. Hens need a tonic during cold weather to keep the egg clusters active and turn the largest possible amount of food into egg. Dr. Hess Poultry Pan-a-ce-a will do exactly that. It positively makes hens lay more eggs.

# Dr. Hess Poultry Pan-a-ce-a

**Dr. Hess Poultry Pan-a-ce-a contains:**  
 Potassium Nitrate. An Eliminator.  
 Nux Vomica. A Nerve Tonic  
 Quassa. A Bitter Stomachic and Appetizer.  
 Hypophosphite of Soda. An Internal Antiseptic.  
 Iron (Sulphate). A Blood Builder.  
 Iron (Red Oxide). A Blood Builder.  
 Carbonate of Lime. An Antacid and shell forming.  
 Sodium Chloride. An Appetizer and Cleanser.

Under the supervision of Dr. Hess (M.D., D.V.S.) the above is carefully compounded and blended, with just enough cereal meal to make a perfect mixture.

has been on the market nearly 20 years—it is the only egg-producing tonic that has stood the test of time. A penny's worth of Dr. Hess Poultry Pan-a-ce-a is enough for 30 fowl per day. If it doesn't make your hens lay more eggs, your dealer will return your money; and it also cures gapes, cholera, roup, indigestion, etc.

**Our Proposition.** You buy Dr. Hess Poultry Pan-a-ce-a of your dealer. If it fails to make your hens lay more eggs and keep your poultry healthy, he is authorized by us to refund your money. 1½ lbs. 25c (mail or express 40c); 5 lbs. 60c; 12 lbs. \$1.25; 25-lb. pail \$2.50; except in Canada and extreme West. If your dealer cannot supply you, we will. Send 2c for Dr. Hess 48-page Poultry Book, free.

**DR. HESS & CLARK**  
Ashland, Ohio

**DR. HESS STOCK TONIC.** A combination of powerful tonics and mild laxatives. Increases digestion—reduces food waste—puts most of the ration on the animals' bones or in the udder. A positive flesh, bone and milk producer. Ingredients plainly printed on every package—take them to your druggist and he'll tell you these tonics have a wonderfully bracing effect on steers, hogs, sheep, horses, cows, etc. Sold on a liberal money-back guarantee. 100 lbs. \$5.00; 25-lb. pail \$1.60. Except in Canada and extreme West and South. Send 2c for Dr. Hess Stock Book.

**FREE.** Dr. Hess (M.D., D.V.S.) will at any time prescribe for your ailing animals free of charge if you will send him full details. Mention this paper and send 2c stamp. 96-page Veterinary Book also free.

**INSTANT LOUSE KILLER KILLS LICE**

thing else. Considering that we had only 50 hens at the time I think this was doing pretty well.  
Oak Hill, Kan.

**If You Want Eggs in Winter.**  
[Prize Letter.]

Mr. Editor—If your poultry house is not double walled, try plastering the walls on the outside. First, nail strips of wood at intervals and tack woven wire over this for lath, then plaster over the wire. The plastering not only improves the looks of the house but makes it draft proof. It is a good plan to have a curtain to hang from the ceiling to the floor just in front of the roosts. Ventilation may be provided by taking the sash out of a window and putting muslin in its place.

Give the layers a variety of feed to stimulate them in their work. One can at least parch the corn occasionally or feed sprouted oats. It also helps to treat them to a mess of cracklings from the winter's butchering, occasionally. Put in a little salt when the mash is fed and let them have all surplus milk.  
Mrs. L. F. R. 1, Woodward, Okla.

**Cactus Leaves a Medicine for Fowls.**  
[Prize Suggestion.]

Mr. Editor—To keep fowls in condition or in case there is cholera or roup in the flock we find cactus leaves bruised up in the drinking water to be especially good. The cactus is the common or "sow ear" cactus which is so plentiful in the Southwest. We first pile up the cactus with some straw or trash and set it afire to burn off the prickles. A good hot fire is needed and it won't hurt the cactus. The leaves are then put in the drinking trough and mashed up with a hammer until the water has a slimy appearance. This simple and inexpensive remedy has been worth more to us than all the poultry dopes in the stores. Last spring our chicks were dying with the diarrhoea and this treatment stopped the losses at once. Use plenty of it as the chickens like it.  
Carl D. Holaday.  
Ashland, Kan.

**Would Rule Out the Fakers.**

Mr. Editor—For the past few years the government and also the states have stamped their disapproval on such remedies as fakery proclaim will cure all diseases the human family is heir to. The right kind of action taken by poultrymen will also stamp out the fakery in the poultry business who claim great prizes, sweepstakes, etc., for their birds, while as a matter of fact they are but

winners, if at all, where there was little or no competition. With the united poultrymen back of the movement, advertising of such a nature will not be permitted. To get this united effort, you, Mr. Poultryman, must be one of the boosters, one who will help to forward the cause. You cannot help more effectively than by joining the American Poultry association.  
William A. Hess.  
Humboldt, Kan.

**Poultry Advice—Good and Bad.**

Mr. Editor—Since engaging in the poultry business 12 years ago I have seen a great light, but nevertheless I am in it to stay. While there is much of truth written there is also a lot of rot talked, written and published on the subject. I never could understand why some persons persist in inflating people's minds about the poultry business.

In the course of time every one learns to know what is sound and good in poultry literature and what is worthless. He also learns that the greater number have much to say that is of value and if he assumes, as some do, that it is not worth while to read the writings of persons he has occasionally found wrong he misses much that would be helpful to him. We don't get perfection in other classes of writings and it is not reasonable to expect it in poultry writing.

There is another side to this question. The beginner is prone to stand in his own light, and to put his own half-formed ideas above any and all authority. After watching the affairs of many poultrymen for a number of years I have come to the conclusion that the average beginner suffers far more through disregard of all authority than he does at the hands of those whose writings mislead.  
Austin Long.  
R. R. 6, Pittsburg, Kan.

**"Kellerstrass Way of Treating Poultry Diseases"**

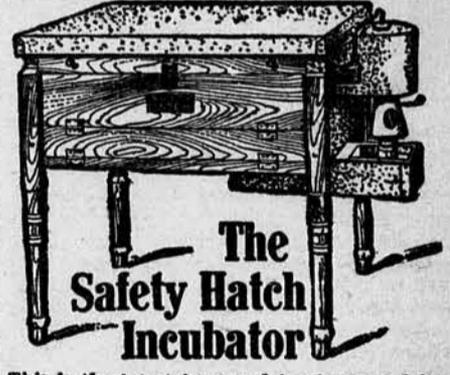
Big Book Free Tells you about Ernest Kellerstrass' method of handling Poultry Diseases, how to select the "Laying Hen" how to feed and fatten chicks and other information valuable to every poultry raiser. Free. Write for it today. Liberal proposition to agents for Kellerstrass Poultry Remedies. Address ROYAL MFG. & IMPORTING CO., 1805 Kellerstrass Bldg. Kansas City, Mo.

**You Can Earn a Good Living Raising Poultry**

Cut down living expenses—raise poultry for your own use and for sale to neighbors. Thousands make money this way with **SUCCESSFUL INCUBATORS SUCCESSFUL BROODERS** Life Producers—Life Preservers Why don't you do the same? Learn how easy it is to start. Booklet "How to Raise 45 out of 60 chicks"—10c. Catalogue FREE. Write today. Address, Des Moines Incubator Co., 316 Second St., Des Moines, Ia.

**Wanted!**

Johnson wants your name and address if you are interested in chicken raising. He will send you the famous Old Trusty Book, free—finest published, worth \$1.00. A Postal Brings Johnson's 1913 Old Trusty Book, Free. Tells about the incubator sensation of the world. 400,000 sold—all making big money for owners. Tells about 25 to 30 day free trial offer, 10 year guarantee. Price is less than \$10.00, freight paid east of Rockies and allowed that far to points beyond. Get the Johnson's Book Free—read all the facts—see hundreds of photographs. Don't miss it! Mail a postal now to Johnson Incubator Man Clay Center, Neb.



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 inside can be taken out and cleaned. Every piece of lumber in it is kiln dried. If your hardware dealer does not handle The Safety Hatch send his name and get free catalog.

One Minute Washer Co., El Reno, Okla.

**More Chicks**

Bigger, stronger and healthier, because hatched under right conditions. Send for catalog of the 1913 model automatic

**QUEEN Incubator**

25 Points of Superiority Sells at the lowest possible price on liberal trial plan. The Queen is used by successful poultry raisers everywhere. My book tells you all about it. Your copy is free. Send for it now, today. P. M. WICKSTRUM, Incubator Man Box 8, Lincoln, Neb.

# CROPS and FARM WORK

(Crop Reporting Service of Farmers Mail and Breeze.)

There will be small excuse for the man who is caught unprepared for winter this year. Not in a good many years has fall weather been so favorable for finishing up the year's work generally. A field of standing corn unhusked on December 1 was the exception rather than the rule. Aside from corn husking, threshing sorghum crops and baling hay are occupying the attention of farm folks.

Last week's correspondence on conditions in the hog raising industry has been augmented by further reports, all telling practically the same story of an alarming shortage in swine of all ages. Except where the cholera has discouraged hog raisers there seems to be a general desire to get back into the game as quickly as possible.

This year's sugar beet crop in the Arkansas river valley of Kansas will exceed the output of all previous years. In round numbers, 100,000 tons of beets have been harvested and are being marketed. This is 11,000 tons better than the record of any previous year and due to the abundance of moisture in the soil and in irrigation reservoirs last spring, for which last winter's heavy snowfall was responsible.

## KANSAS.

**Wyandotte County**—Farmers making good use of this fine weather in corn fields. Wheat could not look better. Roads in fine shape. Corn 50 cents.—G. F. Espenlaub, Nov. 30.

**Stafford County**—Number of hogs on farms far below average. In some localities there will not be enough for meat. Some communities swept clean by cholera. Few fall pigs to be seen. Present price \$7.—S. H. Newell, Nov. 23.

**Sherman County**—About 25 per cent of usual number of hogs on hand. Spring pig crop will be below normal. No disease here and no losses. Everybody getting into stock raising as fast as possible. Price of hogs \$5.15.—J. B. Moore, Nov. 29.

**Logan County**—Not much wheat put out. Cane threshing has commenced. Yields fair. Not enough hogs raised in county to supply our own meat and lard. Cows selling high but horses falling off. Eggs 25 cents, butter fat 31.—A. O. Brooking, Nov. 23.

**Comanche County**—About 40 per cent of usual supply of hogs on hand. Spring pigs bred for spring farrow. No disease worth mentioning. About all land farmed to wheat and hog raising being reduced. Price of hogs around \$7.—S. A. DeLair, Nov. 23.

**Gray County**—Not more than 50 or 60 per cent of usual number of hogs on hand and do not think next season's supply can be brought up to normal. Have heard of no outbreaks of cholera or other disease. Price about \$6.—A. E. Alexander, Nov. 26.

**Montgomery County**—Fine weather for plowing and farmers are busy at it. No rain since Nov. 6. Crops short this year. Hogs have been decreasing the last few years. More cholera this fall than usual. Other stock healthy. Sheep flocks increasing.—J. W. Elkenberry, Nov. 30.

**Greenwood County**—Weather cold and dry. Some cattle still on pasture. Feed selling at good prices. Oil cake being fed. Stock hogs scarce. Corn has been selling at 60 cents but is being shipped in and price is lower now. Kafir 40 cents, butter 30, eggs 25.—C. E. Moore, Nov. 23.

**Morton County**—Nice weather the last few weeks and farmers are getting fall work well caught up. Threshing and broomcorn seeding the order at present. Not much wheat sown on account of dry weather. Stock doing fine. Cattle scarce and high. Broomcorn \$20 to \$80.—Margaret McGee, Nov. 29.

**Stanton County**—Number of hogs in county about normal which is not enough for home demand. Pigs and shoats scarce and but few sows bred. No disease reported. Suckling or spring calves being sold at \$15 to \$25. Hogs \$5, potatoes \$1.50 per 100 pounds, eggs 20 cents, butter 20.—G. S. Greger, Nov. 25.

**Clay County**—Hogs have been badly thinned out in this county. Cholera is prevalent and many farmers are discouraged over hog business. Vaccination seems to be only half satisfactory. Fall pig crop large but spring crop will probably be small on account of spread of cholera.—H. H. Wright, Nov. 23.

**Dickinson County**—Few hogs being fattened this winter. Pigs also scarce as farmers have cut down their breeding stock on account of disease and corn shortage. Cholera caused heavy losses this fall. Hogs did not do well last summer on alfalfa alone, without corn. Price \$7.—J. G. Engle, Nov. 23.

**Lincoln County**—Fat, heavy hogs about as numerous as last year. Feeding shoats are scarcer by about 40 per cent. About 50 per cent more of fall pigs than usual. Usual number of sows bred for spring farrowing. Some parts of county report sickness. Good fat hogs bring \$7.—E. J. Wacker, Nov. 25.

**Stevens County**—Some milo and Kafir being threshed and some still to gather. Feed as well as grain crops good. Stock in great demand. Railroad building through Hugoten. Milo and Kafir about 60 cents per 100 pounds, corn 30 cents per bushel, broomcorn \$20 to \$60, hogs \$7, dressed \$10.—Monroe Traver, Nov. 29.

**Ottawa County**—Have had a dry, open fall with scarcely any rain. Standing corn nearly all husked. More hogs than usual

being fed out this fall. Young stock and sows on hand indicate more hogs next season. No disease reported. Cattle feeders paying 50 cents for corn. Hogs \$7.—W. S. Wakefield Nov. 23.

**Rush County**—Not as many hogs in county as usual and pigs on hand far below normal. Spring pigs will show a shortage on account of scarcity of breeding stock. No disease in county. Short corn crops for two years responsible for decrease in hogs. Brood sows and pigs very high and in demand. Price \$6.75 to \$7.25.—J. F. Smith, Nov. 30.

**Morris County**—Farmers taking advantage of remarkable fall weather to get in corn and thresh Kafir and cane. Corn will average 30 to 35 bushels. Kafir yields good. Number of hogs on farms far below normal. Several cars of light hogs have been shipped in and sold at \$10. Fewer pigs than usual and spring crop will not be above normal. No disease reported. Heavy hogs bring \$7.25.—J. R. Henry, Nov. 30.

**Barber County**—Fine weather for fall work and for stock. More stock hogs on hand than a year ago. Very little disease the past year and fall pig crop is large. Weather and wheat pasture just suits them. Another thing in favor of keeping breeding stock is the fact that the price of hogs is high. Local price of hogs about \$7.25. Mule and horse buyers have laid down.—C. H. Reynolds, Nov. 29.

## OKLAHOMA.

**Rogers Mills County**—Not as many hogs a third as many hogs as we had before the dry years set in three years ago. Not many old sows left to breed from. Hogs about \$7, corn 40 cents.—V. Funkhouser, Nov. 29.

**Roger Mills County**—Not as many hogs on hand as usual, as they were sold off close during the high market. Pigs scarce too and not as many sows to be bred as usual for spring farrowing. No serious disease in county. Price \$6.60 to \$6.75.—Hugh Sober, Nov. 23.

**Choctaw County**—About 50 per cent of average number of hogs on farms. Pigs on hand do not indicate normal supply for market stock next season. No disease at all. Local market on fat stuff about \$8 on foot and \$10 dressed. Nearly everyone interested in some good breed of hogs.—J. W. Jones, Nov. 25.

**Kiowa County**—Farmers nearly through picking cotton. Yields were good all over county. Reports indicate a large acreage of wheat put out. Crop is looking fine and some being pastured. Plenty of roughage on hand. Hogs took sudden drop in price a few days ago. Turkeys 11 cents and no demand.—Mrs. A. L. Henderson, Nov. 30.

**Hughes County**—Finest kind of fall weather and farmers are busy gathering in late crops. Most of them will finish this month. Plenty of rain this fall and ground is in fine shape. Not much wheat sown here this fall. Plenty of feed and stock looking well. Corn 45 cents, potatoes 90, butter 30 to 35, eggs 30, milk 30 cents per gallon.—Albin Haskett, Nov. 27.

**Washington County**—Number of hogs in county below normal on account of short crops of corn the last two years. About 75 per cent of usual number on hand and per cent of pigs indicates a shortage next season. A great deal of breeding stock being sold off. No cholera in county and hogs are healthy and thrifty. Fat hogs worth around \$7.—J. M. Brubaker, Nov. 30.

**Noble County**—Supply of hogs about 25 per cent short. Fewer pigs than we have had in a good many years. Cholera killed most hogs in county last fall and this with short corn crop last year accounts for scarcity. Many brood sows fattened and sold. Stock hogs will be short about 50 per cent next season. Plague dying out at present. Price \$6.75.—A. E. Anderson Nov. 24.

### Try Doctoring the Collars.

Mr. Editor—The best way to heal a sore shoulder on a horse is to open the collar at the side and with a wire hook take out enough packing at the point over the sore so as to make a soft, hollow place for it. Then sew up the collar again. We had two horses that had sore shoulders every working season but they have never been sore since we treated the collars this way.

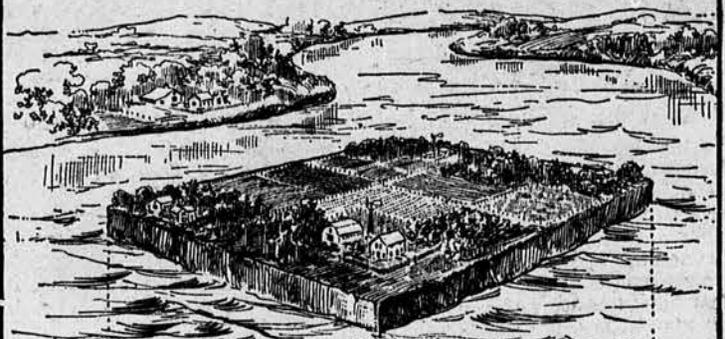
D. H. Dyck.

R. 1, Hillsboro, Kan.

### SIX SILVER NARCISSUS TEASPOONS FREE.

I have just consummated a most remarkable purchase whereby I secured at a ridiculously low figure 5,000 sets of beautiful Silver Plated 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.

# The Richest Soil on Your Farm



## Floats Away

Erosion in the Mississippi and Missouri valleys washes into the streams and rivers the richest top-soil from the farms at the rate of a cubic mile of earth every year. Your farm loses its share. Become a soil conserver; learn how to prevent erosion and washing of the best of your farm soil and silting of rivers. Our free book shows how; contains handy tables, data, photos, drawings. Write for it.

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205 New York Life Building,  
Kansas City, Mo.

### 9 CORDS IN 10 HOURS



BY ONE MAN WITH THE FOLDING SAWING MACHINE. It saws down trees. Folds like a pocket-knife. Saws any kind of timber on any kind of ground. One man can saw more timber with it than 2 men in any other way, and do it easier. Send for FREE illustrated catalog No. A41 showing Low Price and testimonials from thousands. First order gets agency. FOLDING SAWING MACHINE CO. 257-145 West Harrison St. Chicago, Illinois



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WATCH, RING FREE AND CHAIN. We give LADIES' SMALL and gent's size, HUNTING and open case watches to anyone, for selling our art post cards at 10c a packet. Order 20 packets now. When sold send \$2.00 and we will send you FREE a step-wind, 6-yr. guaranteed watch, highly engraved, proper size; also silver netting and handsome chain. PALACE MFG. CO., Dept. 74, CHICAGO



# We will make your hired man pay his own wages

We will make him increase the net profits from your crops at least 50% by feeding cobs, stalks and leaves to your cattle instead of throwing them into the manure pile. We will make him increase the milk yield of your dairy cows and add weight to your feeders. If you do your own work we will save you the price of two hired men. When we sell you an

## INDIANA SILO

we will double the feeding value of your year's corn crop because the Indiana Silo saves all the food values of your standing corn, only about half of which is in the grain. The price of the silo will come out of this increase and you will never miss it. So you see it is evident that you can't afford to be without an Indiana Silo whether you have a hired man to pay or not.

The Indiana Silo is built of uniformly perfect silo material; it is designed with scientific skill and put together with air-tight expansible seams and patented self-draining all-wood mortised joints. It has a wonderful system of door construction and marvelous strength.

If your help is costing you too much and your animals are eating their heads off every winter, let us build an Indiana Silo to your order now, and we will make delivery when you want it.

### THE INDIANA SILO COMPANY

Factories:  
Anderson, Ind. 379 Union Bldg. Des Moines, Ia. 379 Indiana Bldg. Kansas City, Mo. 379 Silo Bldg.

WE want to send you our catalog, and a free copy of the book "Silo Profits", which is the story of the Indiana Silo as written by scores of owners of Indiana Silos. Write for it today and let us send you the name of our representative in your locality. Remember you don't need cash to buy an Indiana Silo—"It buys itself."



# FOSTER'S FORECASTS

(Copyright 1912 by W. T. Foster.)

## THREE DECEMBER COLD WAVES.

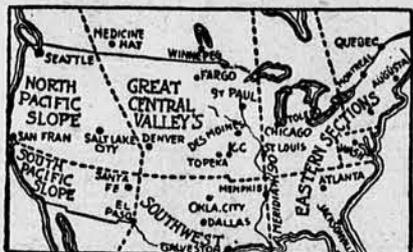
To Farmers Mail and Breeze:

Washington, D. C., Dec. 7.—My last bulletin forecasted a disturbance to cross the continent December 8 to 12, warm wave 7 to 11, cool wave 10 to 14. Warmer than usual, not much precipitation and generally moderate weather describes the disturbance.

Next disturbance will reach Pacific coast about December 12, cross Pacific slope by close of 13, great central valleys 14 to 16, eastern sections 17. Warm wave will cross Pacific slope about December 12, great central valleys 14, eastern sections 16. Cool wave will cross Pacific slope about December 15, great central valleys 17, eastern sections 19.

West of Missouri the intensities of the weather features accompanying this disturbance will be moderate.

We cannot now determine which of three cool waves will be the most severe cold wave. One of them will be due to cross the continent December 10 to 14, the second 15 to 19 and the third 20 to 24. We had expected the great fall in



FOSTER'S WEATHER MAP.

(For Better Understanding of the Forecasts.)

Broken lines separate map into eight great weather districts, named North Pacific Slope, South Pacific Slope, Great Central Valleys including the Northwest and Southwest, and Eastern Sections including the Lakes, the Northeast the Southeast and Washington. The dividing line bisecting St. Louis is meridian 90.

temperature to come with the third cool wave but we now suggest that you be prepared for each of the three. The fall of temperatures will be great and as it will be a sudden change from very warm to very cold it will pay to be prepared for it.

Fourth disturbance of December will reach Pacific coast about 17, cross the Pacific slope by close of 18, great central valleys 19 to 21, eastern sections 22. Warm wave will cross Pacific slope about December 17, great central valleys 19, eastern sections 21. Cool wave will cross Pacific slope about 20, great central valleys 22, eastern sections 24.

This will cause severe winter storms and severe weather from Pacific slope to eastern sections and will be followed by unusually cold weather. Not as much snow in northern sections and less than usual rain in south than might be expected with a great winter storm. Last part of December is expected to average colder than usual and not much precipitation. Weather will be moderate the first half of December.

## Fall Listing As Done at Hays

BY A. M. TENEYCK.

[Written for Farmers Mail and Breeze.]

C. A. F., a Dickinson county reader of the Mail and Breeze asks if in the experiments made at Hays City in fall listing they split the ridges or just planted in the furrow. He writes: I had some fall listing this year that was relisted again this spring that did not do as well as the double listing in the spring. Do you think I would have had better corn in the fall listing if I had just taken a planter and planted in the furrows?

Our usual plan at Hays Experiment station has been to list in the fall and level the ridges in the spring after the weeds start, using the disk lister cultivator. We have found it necessary to level the ridges in order to do a good job of relisting, also there is an advantage in destroying the weeds. In planting the corn or Kafir the usual plan has been to split the ridge in relisting and we have had good results by this method. Also we have practiced listing in the same furrow with equally good results.

Whether it is better to list in the same furrow or split the ridges at planting time depends largely on the condition of the soil. If the soil is quite dry it is usually better to list in same furrow but if the soil is plentifully supplied with moisture and there is plenty of moisture in the ridges we prefer to split the ridges in relisting.

Our work at the Hays station has been mainly in the larger fields and we have no comparative experimental tests but experiments have been carried on at the Experiment station at Manhattan without very definite results favoring either method of relisting, namely, the yields from splitting the ridges are just about equal on the average to yields secured by planting in the same furrow. In each case the lister was used in planting.

I would not favor the plan which you propose of planting in the fall listed furrows with the corn planter since this furrow will almost surely be covered with weeds. Hence the early cultivation with the disk lister cultivator or disk harrow is very necessary and after the ridges are leveled then it is necessary to use the lister when the corn or Kafir is planted.

Listing early in the spring is a good method of preparing the seedbed for corn but in the western part of the state I prefer fall listing as a rule, since the fall listing leaves the soil in better condition to resist soil drifting in heavy winds, also in the best possible condition to catch the snow and early spring rains. The experiments which I have carried on at Manhattan and the observations and experience which I have had at Hays station have made me a very enthusiastic advocate of the "listing method" of preparing the seedbed for planting of all inter-tilled crops and this method has given better results in the growing of wheat than early plowing and careful cultivation.

## One Cause of High-Priced Fruit.

A Kansas farmer, who raised a large crop of apples, thought he would ship a carload to his old Iowa home where apples were scarce. After supplying his home town, a small place, he had a large number left which he thought he could dispose of in a large town nearby. On moving his car there he found that he would have to pay \$100 per day license for the privilege of selling. His price for apples was \$1 per bushel while the grocers of the town were selling them out for 60 cents a peck. The license was put on "to protect home trade" and it seemed to do it pretty effectually for our friend sold no apples there. The people of that town had no one but themselves to blame for the high prices they were compelled to pay. If they wished to bind themselves hand and foot and deliver themselves over to the retail traders they could do so but they should not complain that the farmers are not producing enough. The farmers are producing cheap fruit but it becomes dear before it reaches the city consumer. The instance given above shows why it does in most cases.



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**How Do You Put On Manure?**

ANSWERS TO THE QUESTION.

Mr. Editor—I have tried spreading manure on top but I get better results by plowing it under. If put on late in the winter I prefer to run the disc ahead of the plow, setting it almost straight. I have no use for the lister, no matter in what kind of land, and always use the plow in my corn land. We have always raised the best corn by top planting.

Erwin S. Brees.

Colony, Kan.

**Disc Rather Than Plow It Under.**

Mr. Editor—I would put the manure on plowed ground and disc it in rather than to plow it under. The strength of the manure goes downward whether left on top or plowed under. If the manure is spread thin, as it should be, it will not bother cultivation. Our experience in Kansas has shown that the crop is more or less damaged in spring by drying out where the manure is plowed under.

L. H. Beard.

Hall's Summit, Kan.

**Box Spreader's Advantages.**

Mr. Editor—I have a wagon-box spreader that I have used for two years and during that time I have hauled over 700 loads in it without spending a cent for repairs. It cost me \$88 complete, with wagon, delivered at my nearest railroad town. I would not trade it for one of the kind that costs \$125, as it will run much easier and does the work just as well. Besides, I need an extra wagon occasionally and all that is necessary is to swing up the spreader box and I have it.

Joseph M. Harmon.

Charity, Mo.

**Where the Spreader Shows Up.**

Mr. Editor—On this farm we haul the manure to the field as it is produced, if weather permits. We have found that it pays well on almost any crop, especially on wheat and oats when spread at the rate of 8 or 10 loads per acre. If too thick it is likely to burn the crop. It is better to put it on thin and give the land another dressing in about two years. We use a 70-bushel spreader and with it we can spread the manure more evenly and it will go twice as far as when spread by hand.

A. M.

R. 1, Lincoln, Kan.

**Use Spreader For Straw Too.**

Mr. Editor—Of the different farm implements invented in recent years, to lighten and advance the labor of the farmer, the manure spreader must take a front seat. Besides spreading manure the spreader comes into good use in spreading straw by attaching it to a rack filled with straw. Let a boy drive the team while a man feeds the straw from the rack. We have seen this plan carried out and it worked perfectly.

R. 2, Aurora, Kan. W. H. Plumly.

**Raising the Home Meat Supply**

BY L. J. YORK.

[Written for Farmers Mail and Breeze.]

The bulk of the meat supply for farm use should be killed between Christmas and the middle or last of January when the weather is right for it. The hogs for the main killing should be on full feed by the first to the middle of November. I find where the range is good and there are acorns and nuts in the woods, it is still a good plan to feed grain night and morning and let the hogs have the run of pasture or woods through the day. But through the last month they should be kept up and fed grain as nothing makes meat so sound and firm.

Corn should make up the bulk of the ration but Kafir, oats or wheat should also be fed to give variety. Some green feed is necessary and may be furnished in the form of green alfalfa, cabbage, rape or even weeds all of which they will relish. An abundant supply of water is as important as the feed.

**Good Housing Helps Fattening.**

For pen fattening I have a tight floor on which the hogs get their feed. The house is open on the south side for ventilation and there is plenty of dry bedding which is renewed occasionally. Hogs kept in a dry, warm pen will put on fat much quicker and with less feed than those subjected to exposure of all kinds. I have seen farmers carry

baskets of corn and throw them in to the hogs while the latter were standing in mud knee deep, with the thermometer close to zero. These men are so busy trying to grow cotton or grain to pay their meat bill of last summer that they have no time to properly look after a supply for next year. Ten acres planted to feedstuffs will fatten enough hogs to make an abundant supply of meat and lard for any family. It is possible to do away with a large part of the work by allowing the hogs to do their own feeding in the fields. Where corn is unusually heavy it is best to gather the best part of it before turning in the hogs. A bunch of scrawny hogs turned into a field like this will make rapid gains and be ready for butchering in a few weeks. If there is no access to a running stream a barrel on a shed will solve the water problem.

**Little Waste and Saves Labor.**

There is little waste in allowing the hogs to do their own gathering as they never stop while there is a grain to be found. The loss by waste is at least not to be compared with the amount of labor saved. This method also insures the hogs will get just enough to make them fatten well.

I find it a good plan to fence apart 5 to 15 acres in the spring in which to grow crops for the special benefit of pork hogs. Corn and cowpeas make a good combination for this purpose. In a 10-acre field I like to have 5 acres in corn, 2 acres in peas, 2 acres in Spanish peanuts and 1 acre in Dwarf Essex rape.

Lowry, Okla.

**Water Flows in Soule's Ditch**

Twenty years ago A. T. Soule, a millionaire of Rochester, N. Y., came to southwestern Kansas looking for a chance to spend some of his money for the benefit of mankind. He built an irrigation canal at a cost of more than one million dollars from the Arkansas river across Gray and Ford counties and expected to irrigate 100,000 acres of virgin soil from it. But he never saw the water flow down his ditch and for 20 years the great undertaking has been known as "Soule's Folly."

Two years ago a syndicate of Denver capitalists became interested in the ditch and began rebuilding it. A big dam has been built across the Arkansas river a mile west of Ingalls in Gray county and this has diverted water into the ditch. Besides this a big pump near the dam is supplying a stream of water from the underflow, 20 feet wide and 3 1/2 inches deep. The supply of water available from these two sources is now 45-acre feet per day, which means water enough to cover 45 acres 1 foot deep, every 24 hours. The rebuilding of the ditch has now progressed as far as Dodge City from the dam near Ingalls and there is enough water available to irrigate from 6,000 to 10,000 acres of ground in Ford and Gray counties.

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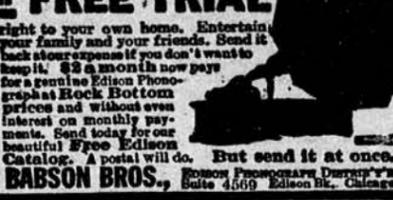


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**Fruit Growers' Year Meeting**

DECEMBER 18-20 AT TOPEKA.

The 46th annual meeting of the Kansas Horticultural society will begin Wednesday, December 18 and close Friday, December 20. The meeting will be held in Representative hall in the State house at Topeka and anyone is welcome to attend. One hundred dollars in prize money has been set aside for the customary exhibit of fruits and vegetables. Secretary Walter Wellhouse has prepared the following program of the meeting:

WEDNESDAY, DECEMBER 18.

11:00 a. m.—Trustees' meeting.  
1:30 p. m.—President E. G. Hoover will call to order.  
Prayer by Rev. Roy B. Guild, pastor Central Congregational church, Topeka.  
Annual report of trustees by congressional districts, on horticultural conditions and progress: First district, W. R. Martin, Wathena. Second district, Marshall Chandler, Argentine. Third district, F. L. Kenoyer, Independence. Fourth district, C. C. Cook, Eskridge. Fifth district, Albert Dickens, Manhattan. Sixth district, J. J. Alexander, Norton. Seventh district, C. A. Blackmore, Sharon. Eighth district, Geo. A. Blair, Mulvane.

APPOINTMENT OF COMMITTEES.

"Hardy Shrubs for Kansas," E. F. A. Reinisch, superintendent of parks, Topeka.  
"Trees for Street and Yard Planting and Their Care," Prof. C. A. Scott, state forester, Manhattan.  
"The Ben Davis Apple," Louis Erb, orchardist, Cedar Gap, Mo.  
"The Pollination of Apples and Pears," Geo. H. West, fruit grower, Colorado Springs, Colo.  
7:30 p. m.—Address of welcome, Hon. John S. Dawson, attorney general.  
Response, President E. G. Hoover.  
Address, Frank Strong, chancellor University of Kansas.  
"Adaptability," L. A. Goodman, president American Pomological Society.

THURSDAY, DECEMBER 19.

9:00 a. m.—Call to order by President Hoover.  
Prayer by Rev. W. I. Cole, pastor North Topeka Baptist church.  
Reports of officers.  
"Some Results of Spraying in 1912," J. H. Merrill, assistant entomologist, Manhattan.  
"How the Government Experiments Have Helped the Growers in Southern Kansas," W. D. McComas, superintendent of the Thomas Orchards, Wichita.  
1:30 p. m.—Report of committee on order of election; election of officers; election of trustees for Districts 2, 4, 6 and 8.  
Orchard Soil Management," Prof. S. A. Beach, vice dean of agriculture, Ames, Ia.  
"Improvement of Market Conditions for Horticultural Products," Prof. George O. Greene, assistant horticulturist, State Agricultural college, Manhattan.  
"Orchard Irrigation," Sheridan Ploughe, Hutchinson.  
7:30 p. m.—"Pruning," illustrated lecture, E. H. Faylor, associate editor Fruit Grower.  
"The Use of Dynamite in Horticulture," illustrated lecture by Randall Waugh, St. Louis, Mo.

FRIDAY, DECEMBER 20.

9:00 a. m.—Call to order by president-elect.  
"Production and Distribution," Edwin Snyder, Topeka.  
"Horticulture and Agriculture in the High School," Prof. C. H. Withington, Topeka.  
"Dewberries," J. C. Banta, fruit grower, Topeka.

**Who's Who Among Kansas Snakes**

What snakes have we in Kansas that are really useful and which ones are poisonous, asks J. B., Jackson county, Kansas.

R. K. Nabours of the zoology department, Kansas Agricultural college, says there are only four venomous snakes known to occur in Kansas—the timber rattlesnake (*crotalus horridus*), the prairie rattlesnake (*sistrurus catenatus*), the Massasauga (*crotalus confluentis*), and the "copperhead" (*ancistrodon contortrix*). The "cottonmouth" moccasin may occur in the south-eastern part of the state, but is very rare.

All the other snakes in the state are absolutely harmless, as far as the bite is concerned. The so-called spreading adder, or viper, the "hog-nose" snake, the garter snakes, the blue racers, bull snakes, chicken snakes, king snakes, jointed snakes (really legless lizards), and the water snakes, moccasins, etc., have no fangs or poison glands, and are therefore, unable to do injury further than to prick the skin with their small holding teeth.

Snakes eat insects and small rodents to a considerable extent, and so far as they do, are beneficial. But it is not believed that they devour enough of them to make them of any considerable economic importance. Some snakes, such as the black snakes (chicken snakes), the bull snake, and the racer, rob the nests of chickens and birds of their eggs and young, and they sometimes capture adult birds, and are harmful to that extent.

Trial trip until January 1, 1913, for 15 cents, Mail and Breeze, Topeka, Kan.

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For Men, Women and Children

Mayer Honorbilt Shoes lead in style, fit, comfort and wearing quality. It would be impossible to find shoes of equal style so dependable for wear. The choicest leather is used in making Honorbilt Shoes. They are built to last a long time and keep their shape to the end. Mayer Honorbilt Shoes are "built on honor."

If you want style and quality without extra cost, ask your dealer for Honorbilt Shoes. If not obtainable, write to us.

WARNING—Be sure and look for the Mayer name and trade mark on the sole.

We make Mayer Honorbilt Shoes in all styles for men, women and children; Drysox, Yerma Cushion Shoes, and Martha Washington Comfort Shoes.

FREE—Send name of dealer who does not handle Mayer Honorbilt Shoes and we will send you free, postpaid, a beautiful picture of Martha or George Washington, size 15x20.

**F. Mayer Boot & Shoe Co., Milwaukee.**



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At the Lowest Prices in the United States

It is never necessary to make an apology to your friends about the quality of the piano you buy at Jenkins, nor have a feeling that you paid more for your Piano than your neighbor, who purchased the same make. Our ONE PRICE, NO COMMISSION PLAN does not mean "get all we can"—it does mean "Give all we can." It means the greatest economy and greatest satisfaction in piano buying. It means that nowhere in the world could you buy more piano quality for less money; it means freedom from all puzzle schemes and trick piano selling, devised to induce you to pay a higher price for a piano than it is worth. Our fall stock of pianos is now coming in. Note the values listed below.

\$155	For a Brand New BARCLAY. \$5 monthly.
\$125	For a Brand New BARMORE.
\$175	For a Brand New BARCLAY. \$5 monthly.
\$200	For a Brand New WOODWARD.

"The Pilot is under no obligations to the Jenkins Music House, of Kansas City, to write this, but recent dealings with them constrains us to say for the benefit of our friends that we never knew a method of selling more open and honest than theirs, and did we know about what price and style piano we wished to buy we would about as lieve send our twelve-year-old daughter to purchase it as to employ an expert. Their prices are plainly marked on every one of their hundreds of instruments and are the same to cash buyer or the one who wishes to make monthly payments."

Write Today **J. W. Jenkins Sons Music Co., Kansas City, Mo.**



25 beautiful Gold embossed Xmas and New Year cards only 10 cents. Write for catalogue. German Am. Post Card Co., Dept. 96, Burlington, Iowa.

\$100 MONTHLY and expenses to trustworthy men and women to travel and distribute samples; big manufacturer. Steady work. S. Scheffer, Treas., G. W., Chicago

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



**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.

What's the nicest thing you're planning for Christmas? The Home Editor would like to hear about it.

If the handkerchiefs that have been to school come out of the wash looking brown and grimy, try boiling them by themselves with a little turpentine in the water next time.

The first woman's jury in Kansas was empaneled a few days after election to decide whether a certain woman had stolen four chickens. After half a dozen hours' deliberation they decided she hadn't.

That half of the human race that doesn't use tobacco is quite ready to declare it is both useless and harmful; but those of us who ruin our nerves and our good looks chewing gum have no room to talk.

Did you sneeze this morning when you came out doors? That's not proof so much that the morning air was cold as that you slept with your windows closed last night. People who sleep and live with plenty of fresh air seldom have colds.

**Christmas Cookies.**

One cup sugar, 1/2 cup butter, 1/2 cup lard, cream together till light. Add 1 cup sirup, 1 teaspoon each of allspice, cloves and cinnamon and 1/4 teaspoon black pepper. Dissolve 1 even teaspoon soda in 1/2 cup hot water, add 2 well beaten eggs. Mix all of this well, then add enough flour so they can be handled without sticking. Roll out and make cookies the size of a quarter dollar, sprinkle with white sugar, and bake. Make them four weeks before Christmas, put in a stone jar, and set in cool, dry place. They are fine.

Dora Boesker.

R. 2, Canton, Kan.

**How to Use Cranberries.**

[Prize Letter.]

Spiced Cranberries—Boil together 3 1/2 pounds of brown sugar, 2 cups of good vinegar, 2 tablespoons each of ground allspice and ground cinnamon, 1 tablespoon ground cloves. When boiled to a sirup add 5 pounds of cranberries that have been picked over and washed. Let simmer slowly for 2 hours, then turn into a stone jar and keep closely covered. This forms a delicious relish used with turkey fresh from the oven.

Cranberry Olivies—Spread slices of roast turkey, chicken or veal with jellied cranberry sauce. Sprinkle with grated bread crumbs, some minced celery

and bits of butter, season lightly with pepper and salt, roll up neatly, fasten securely, and fry in hot butter to a golden brown. Serve in a border of hot mashed potatoes.

Cranberry Apple Sauce—Cook equal parts of cranberries and apples together. When done press through a colander, flavor with lemon juice and add sugar to make quite sweet. This is very nice if served as a sweet, or if made rather tart is excellent with roast goose or pork.

Mrs. Mary French.

R. 1, Sweetwater, Okla.

**Imitation Buckwheat Cakes.**

For those who find buckwheat too heating for a steady diet, I am glad to commend this imitation buckwheat, which is more wholesome than the original. In the evening mix together 4 cupsful of whole wheat flour, 1 cup of wheat flour and 1/2 cupful of corn meal. Add half a compressed yeast cake dissolved in a little lukewarm water, with enough milk and water to make a thick batter. Add also a little salt to season. Cover and let rise over night. In the morning add 1/2 level teaspoonful soda, dissolved in milk enough to make the batter of the right consistency for baking. One-half this amount will serve two people for two mornings. Put soda only in what is to be used. "The best cakes ever eaten," says one who is a connoisseur in cakes.

Emma Paddock Telford.

**Rule for Smoked Ham.**

[Prize Letter.]

Our smoked hams, shoulders and bacon have received such very flattering commendations from our customers and from guests at our home, and have given so much satisfaction to ourselves that we would like to offer our recipe to readers of Mail and Breeze. We use 6 pounds Turks Island salt, 4 ounces saltpeter and 2 pounds brown sugar dissolved and boiled in sufficient water to cover 100 pounds of meat when closely packed and weighted. Pack as soon as the animal heat has gone and the brine is cold. Let a 12-pound ham remain for four weeks, then thoroughly rinse, drain, and hang to smoke. Not having a smoke house we use a hoghead or large barrel. We use damp corn cobs, and by keeping up a steady, dense smoke for one day of 10 hours the meat is as strong of smoke as most people enjoy. It is best when freshly smoked, and does not need freshening. It is not strong enough of either salt or smoke to keep very long, but this is overcome by either leaving a part longer in the brine or by slicing as for

the table, partly frying, then packing in earthen jars and covering with lard. When wanted remove from the lard and finish cooking.

Mrs. Myron C. Safford.

Salem, N. Y.

**These Mean an Easier Day.**

There are several little things which seem to be absolute necessities in the kitchen which are not found in the majority of rooms. One is a pin cushion stocked with pins and needles near at hand on some convenient shelf, and another is a box with black and white thread and twine. Some women who have kept house for 25 years are still trotting in to the sitting room and back into the kitchen whenever they want a pin or need a needle and thread to take an emergency stitch. They should read about conservation of energy.

A pair of scissors hung on a convenient nail is another of the necessary little things. There should be a separate pair for the kitchen, and not the one taken from the sewing basket. It should not be a dull, cast-off pair, either, but a good, sharp one, for the scissors are used many times in the kitchen.

Another kitchen comfort is a big rocking chair with a cushion. This saves many a backache, for a tired woman will drop into a rocker right behind her just for a moment when she is watching something cooking on the stove, when she would not think of going into the next room to rest. And if she will sit down in this chair a number of separate minutes during the day her rest will amount to a pretty good sum by night, and she may be surprised that she feels so much less tired than usual when she has done a big day's work.

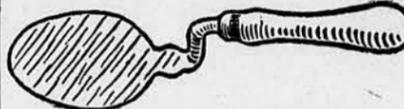
A big palm-leaf fan should have a place in the kitchen. A few waves of a fan after a woman has been bending over a hot task for a long while will work like magic, and will be a lightener of the day's toil.

A rubber hose long enough to reach from the water supply to the stove will save lifting of heavy pails of water on wash day. In this manner the boiler and tubs can be filled and emptied without any strain on anyone's back.

**The Handiest Kitchen Tool.**

[Prize Letter.]

The handiest little tool in my kitchen is a flat, nickel-plated egg turner. With it I turn eggs, pancakes, meat, every-



THE HANDY EGG TURNER.

thing fried or stewed. The handle has a bend in it which comes to the edge of the skillet and sits upright. I simply could not get along without my turn-all. My little son made up his mind he could take the prize swatting flies with it, but to that I said no.

Mrs. Cora Harding.

R. 2, Perry, Kan.

**When the Butter and Eggs Fail**

PRIZES FOR BEST RECIPES.

A few days ago there came to the Home Editor's desk a recipe for an "eggless, butterless, milkless cake." This recipe was intended to be used in mid-winter when eggs, milk and butter are scarce and high. But as she read it the question arose, would a cake with so many of the good things left out be worth eating? Wouldn't it be just as well to have fewer cakes and have them good, and when we cannot afford these things have something else instead of cake? I'm going to pass this question on to the readers of the Home Department. What do you think about it? Something to "finish up on" we must have. What do you serve for dessert during the cold weather when the hens refuse to lay and butter is worth almost its weight in gold? For the best letter received on this subject before December 20, Farmers Mail and Breeze will give a gun metal initial watch. Second and third prizes will be sets of narcissus silver teaspoons. For the sake of convenience in the office please mark your envelope down in one corner, "Desert Editor."

Trial trip until January 1, 1913, for 15 cents, Mail and Breeze, Topeka, Kan.

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One mile round trip railroad fare refunded for each \$1 you spend in our Store.

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Do your Christmas Shopping early—don't wait until selection is poor and crowds thickest—come now. Take advantage of the wonderful variety in the West's Biggest Store—buy Christmas presents for the whole family on a single flock!

**Jones Pay the Freight**

We pay the freight on all orders of \$5 or more within 200 miles.

**THE JONES STORE CO**  
KANSAS CITY'S PROFIT-SHARING STORE

**Christmas Buying Made Easy**

and the expense made light for those who shop by mail at the Big Store.

Our Mail Order Service brings all the great resources of this store to your door—and enables you to buy as economically as if you came to the store. Close attention is given every letter—your smallest order as carefully filled as the largest order we receive. The choicest goods always selected for you, and full benefit given you when any special price-advantages are offered. Full information written about any goods in our lines.

We pay postage anywhere in the United States—express or freight anywhere in Kansas, on all purchases.

**The Mills Dry Goods Co.**  
Topeka, Kansas

**MAYOR'S WALNUT OIL HAIR DYE**

Recolors gray hair or beard to all shades desired from light brown to black within 24-48 hours. A high class, meritorious, harmless and cleanly compound; very simple, easily applied, quick and sure. Does not stain the skin or scalp or rub off on the pillow, keeping the hair soft and glossy, that curling with hot iron or shampooing will not affect. If skeptical send for TESTIMONIALS FROM DRUGGISTS, HAIRDRESSERS or INDIVIDUALS selling or using our remedy. Ask your druggist for it or write us direct. Price postpaid by mail: trial size 60c; large treble size, \$1.10. Address **MAYOR WALNUT OIL CO.**, Dept. Z. V. O., 2527 Wyandotte St., Kansas City, Mo., U. S. A.

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A practical school with railroad wires. Owned and operated by A. T. & S. F. R. Ry. **EARN FROM \$50 TO \$165 PER MONTH.** Write for catalogue. **SANTA FE TELEGRAPHY SCHOOL,** Desk G, 505 Kansas Ave., Topeka, Kan.

**DOUGHERTY'S Business COLLEGE**

Practical business training; experienced instructors; unexcelled equipment; calls for students exceed supply. For full information address **Geo. E. Dougherty, Pres., 116-120 West 8th Avenue, Topeka, Kansas.**

**LAWRENCE Business College**  
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Largest and best business College in the West. Capacity 1000 annually. Write for catalog.

**\$25** Pays for a full Business Course in this School. Why pay more? We guarantee Positions. Board Cheap. Write for Journal D. Address, **Central Kansas Business College ABILENE, KANSAS**

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KANSAS CITY, MO.

6th Year. \$100,000 New College Building. Shorthand, Typewriting, Bookkeeping, Telegraphy and English Branches. Write for Free Catalogue.

**This Beautiful 20 Year Watch \$3.75**

Elegantly engraved THIN MODEL, GOLD FINISHED double Hunting case, Jewel American lever movement, stem wind and stem set. 30 year guarantee sent with each watch. Long gold finished chain for Ladies, fob or vest chain for Gents Free.

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20 Year Guarantee EXAMINATION FREE. Let us send in O.O.D. to your express office, after you examine it, if you think it's a bargain and equal to any \$15.00 watch, pay the express agent your Special price \$3.75. Mention Ladies' Men's or Boys' size. **GUNTER WATCH CO., DEPT. 1270, CHICAGO, ILL.**

**FREE TO OUR READERS!**

**Twenty of the Most Beautiful Christmas and New Year Post Cards**

To help you and all readers of the FARMERS MAIL AND BREEZE in your preparations for Christmas we will send you, **ABSOLUTELY FREE AND POSTPAID**, a big package of TWENTY of the most beautiful Christmas and New Year Post Cards you ever saw, if you will send us only 25 cents to pay for a three months' subscription, or, providing you are already a subscriber, the subscription of a friend. Or, you may send a renewal or extension of your present subscription. Every card we send you will be a beauty—no cheap comic designs, but a handsome assortment of the prettiest, most expensive Holiday post cards on the market. In the assortment you will find post cards for little tots and older children, showing Christmas Trees, Santa Claus and all sorts of toys, also cards for older people, having a pleasing verse or a beautiful sentiment expressed by a great mind, or beautiful Christmas greetings and

words of good cheer, all lithographed in exquisite colors on the finest cardboard with designs and flowers heavily embossed and finished with magnificent gold, silver and holly borders and backgrounds.

If you do not care to send 25 cents to pay for a three months' subscription for yourself, get two of your friends to give you 25 cents for a subscription, send us their names and the 50 cents, and we will mail you, free and postpaid, a beautiful assortment of 15 Christmas and New Year Post Cards for each of your subscribers, and 20 of the handsomest Christmas and New Year Post Cards for yourself, and in addition, we will enter, renew or extend your own subscription for six months free. Christmas will be here almost before you are aware of it, so don't delay. Send us your order early—today if possible. Address, **FARMERS MAIL AND BREEZE, CHRISTMAS CARD DEPT., TOPEKA, KAN.**

**Social Life on the Farm**

BY MRS. ELIZABETH WILSON.

In a recent issue of the Mail and Breeze was an article headed, "Is Prosperity the Cause?" This article was called forth by a letter from one who had suffered many a heartache on account of the unsociability and real or apparent selfishness in church and neighborhood.

Many times the question has recurred to me while busied with daily duties, and I have wondered whether it may be true. Prosperity is the goal for which we all are striving, but is it a mistake? Success in business, beautiful homes and surroundings, the possession of all that seems desirable—is it true that the acquisition of these things proves a detriment to our usefulness as good citizens, good neighbors, good friends? The thought is disappointing and saddening.

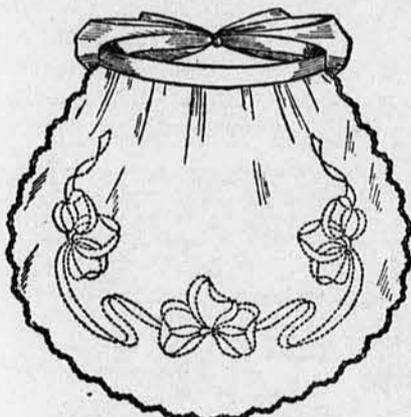
I truly believe that in many cases thoughtlessness is more the cause of these troubles than indifference and selfishness. Surrounded as many families are by near relatives who visit and are constantly in each other's society, is it any wonder that they forget the lonely ones, those whose dear friends are far away? Right here I think the feasibility of neighborhood social clubs is demonstrated. Granted that the church might fill this want, still church work is usually along other lines, equally important but not necessarily social.

Sisters, let us one and all in every community constitute ourselves social committees, self appointed if needs be, to bring the women together, and the young people too. Organize social gatherings—clubs if you will. Bring in the newcomers and strangers and hold monthly or weekly meetings at the various homes, sometimes occupied with needle and thread and pleasant conversation, at other times with a program literary and musical, with light refreshments served at the close or during the meeting.

In some places these gatherings are called Aid Societies, and a definite object is aided by a slight contribution. But more often the object is sociability and mutual benefit. Worries are driven far away for the time being. "We banish cares that now annoy, and never let a trouble come to stay." In several localities out of this city these clubs exist, and no doubt they are numerous all over our state. Would there were many more, for they are proving a benefit and blessing to all. R. I, Hutchinson, Kan.

**Embroidery Design for Apron.**

This bow-knot design is to be worked in shadow embroidery. The work should be done on the wrong side in double cross stitches, closely and evenly, so that



10-4-7—EMBROIDERED APRON.

on the working side the material is well covered, and on the right side there are straight lines of tiny stitches outlining the design. Either white or color may be used for the bow knot, but the edge should be buttonholed in white. Sheer material like batiste or swiss should be used for shadow embroidery, and then the work will show through. The stamping for shadow work is done lightly on the wrong side of the fabric. A transfer pattern of this apron will be furnished for 10 cents by the Mail and Breeze Pattern Department, Topeka, Kan.

**Magazines for Christmas.**

The Christmas present we enjoyed more than anything else we ever received was a large box of magazines, a year's volumes of two different magazines. The stories were new, and the articles and illustrations lost nothing in interest, even though they had been pub-

lished nearly a year previously. Our own magazines had been passed on to neighbors, and these were used the same way, making in reality a "chain present." They were shipped to us by freight, and would have been appreciated at Easter, New Years, or any time. Mrs. Walter Scott. R. 1, Burlington, Kan.

**Babies Need Mother's Help**

TO BE HEALTHY AND WISE.

In a recent issue of the Mail and Breeze a writer emphasized the baby's health, which all mothers place first in importance. But baby's brains are surely second. The baby's brain is like a fertile garden, fenced about with mother's love and father's care, and bountifully sown with seeds through his five senses.

We farmer mothers are often too busy with the unending round to think about teaching him. But don't turn the little questioner away with an impatient "I'm busy! Run and play!" Answer his questions and encourage others. There is no more pitiful object in the country schools than the little mite of 5 or 6 who cannot read, add or subtract, and often does not know one letter or figure from another. Suppose there are 25 pupils in school. The teacher, out of justice to the other scholars, cannot give this beginner more than 20 minutes of her time, and even that is more than any other one pupil gets. His mind is not yet trained to work, and he sits through the dragging day, his little body miserable, because babies must be active always.

Too many teachers are blamed for the child's failure to advance rapidly, his dislike of school, and his tendency to mischief. But the teacher cannot do her best by your child if you have not laid a good foundation. Mothers, teach your baby. But don't make his letters and figures and words and colors a task. Mix them with his play till they are play. Tell him stories, let him tell them to you, teach him to read, have him read to you, and see how soon he will come to the place where he would rather read to mother than make mud pies. But don't forget the pies. They are important, too.

Let me illustrate what I mean. My own small daughter, just a little more than 2 years old, has been very slow in learning to talk. In fact, she is just beginning to try to say everything she hears. But she knows all her letters by sight, and leaves her dolls to run get her blocks when papa or mama has an idle minute, that she may show them A. Lately she found in a magazine an imaginative picture of Lazarus. I told her the story of the brother of Mary and Martha, and for several days she wanted the story of Lazarus in preference to any of the Mother Goose rhymes with which she is so familiar.

Watch your little gardens! Water the seeds with careful attention, choke the weeds that are sure to creep in, and see your gardens grow and flourish till they are an honor and a joy to you and life a pearl of great price to them.

**Keeps Baby Warm and Clean.**

[Prize Letter.]

A warm and convenient garment for a child that creeps or sits and moves about the floor may be made from a dark gray outing flannel, using a child's sleeping drawers for a pattern. I cut the lower part just like the pattern, with feet in, but I made no sleeves. I rounded out the front and back and a space under the arms far enough so baby's skirts could be tucked inside, leaving straps to fasten on the shoulders. I bound the edges with bias seam binding. All seams should be sewed up, leaving no opening. The garment should be made large and roomy so it can easily be slipped on when the child is on the floor. It will keep him warm, besides keeping the skirts and stockings clean while he is moving about the floor.

Mrs. W. C. C.

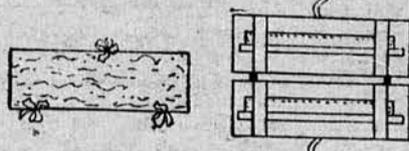
Leonardville, Kan.

**How to Make a Collar Case.**

[Prize Letter.]

A very pretty collar case is made by taking two pieces of cardboard 4 by 15 inches and covering with lawn or silk. Sheet wadding should be used as padding between cardboard and silk. About 2 inches from each end of cardboards fasten ribbon across on one side. This

is to hold the collars in place. Put together the sides that are crossed with ribbon and fasten the cardboards loosely



CASE OPEN AND CLOSED.

at one edge with narrow ribbon. Tie in center of the other edge for a front fastening. Mrs. H. F. Johnson. Annawan, Ill.

**FREE WATCH RING AND CHAIN**  
We positively give free a beautiful, gold-finished, engraved American made, stem-wind, stem set watch, proper size, guaranteed five years. Also a beautiful ring set with three diamond cut brilliants for selling 20 jewelry articles at 10c each. Order jewelry today. When sold send \$2.00 we will send watch, ring, chain. ARDEN WATCH CO. Dept 59 Chicago

**65 Christmas Post Cards 10c**  
CHRISTMAS STAMPS, CHRISTMAS TAGS, CHRISTMAS LABELS AND CHRISTMAS SEALS, all 10c, in color and gold embossed. The most wonderful package ever offered. Remember, everyone sending 10 cents for this BIG 65 Christmas Set will receive our Special Wholesale Offer. Ladies, Girls and Boys can make money selling the packages to their neighbors and friends. Do not delay, but send now today, for a package. H. E. Becker & Co., Dept. O 68 508 S. Dearborn St. CHICAGO

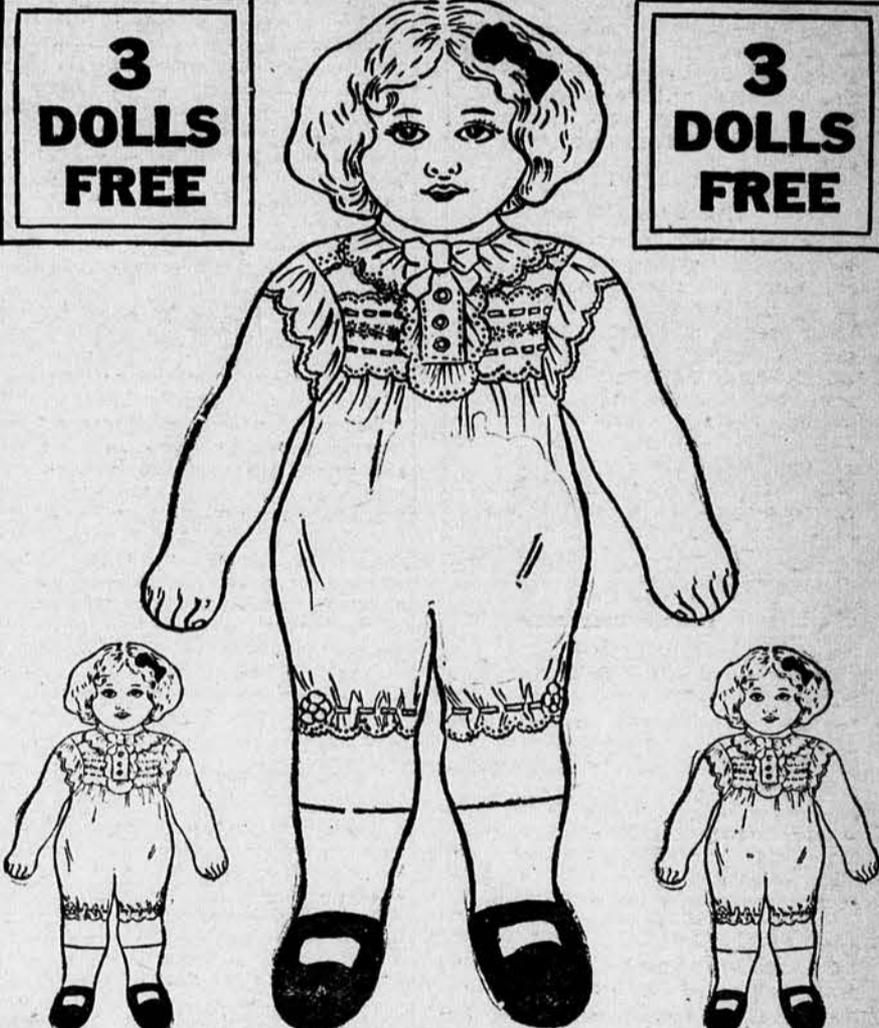
# Xmas Gift!

## Little Girls and Mammias—Look!

### 2 BABY DOLLS AND ONE BIG DOLL FREE!

3 DOLLS FREE

3 DOLLS FREE



## Grandest Offer Ever Made!

Yes, we want to GIVE you all three of these beautiful, golden-haired dolls. The big doll is 2 1/4 ft. tall, the baby dolls about 6 inches tall—and you need not spend a cent of your money to get them. They cannot be broken, have cheeks like two pink roses, big brown eyes and lips that look as if they wanted to be kissed. The large doll is so big that you will have to put her to bed in your own crib and dress her in your own outgrown clothes or some of the baby's. With a real child's dress on and a red bow that can't get lost or come untied in her bright curls, you will have a doll that all your little friends will admire, and you will love her better than your other dolls because she is the kind that won't break, lose her eyes or snarl her hair. The two little baby dollies, dressed in white baby dresses, will make your doll family the cutest and most desirable ever offered. The dolls are stamped in beautiful colors, on strong cloth, and mamma can sew them up on the machine in ten minutes. Printed directions will tell her how to make Miss Dolly so she will sit down, bend her arms and legs, and allow you to place her in all kinds of natural positions. Each doll has on bright red stockings and black laced boots.

### How To Get Them FREE

Send 25c for a year's new, renewal or extension subscription to our popular home and news weekly and we will send the dolls as a gift.

**WEEKLY CAPITAL**  
Dept. 3D-C, Topeka, Kan.

### Free Doll Coupon

Weekly Capital, Dept. 3D-C, Topeka, Kansas. I am enclosing 25c to pay in advance for a year's subscription to the Weekly Capital. You are to send me free and postpaid the three dolls described above.

Name .....

Address .....

# HOME DRESSMAKING

These patterns may be had at 10 cents each from Farmers Mail and Breeze.



- 5568—Seven-Gore Skirt, 5 sizes, 22 to 30 inches waist measure. Size 24 measures 3 3/4 yards around lower edge.
- 5994—Long Kimono, 5 sizes, 30 to 44 inches bust measure.
- 5679—Men's Sleeping Coat and Drawers, 5 sizes, 34 to 42 inches breast measure.
- 5991—Girls' Dress, sizes 6, 8, 10, 12 yrs.
- 5254—Ladies' Shirtwaist, 7 sizes, 32 to 44 bust.
- 4824—Child's Coat, 4 sizes, 1/2 to 5 yrs.
- 5988—Misses' and Small Women's Dress, with six-gore skirt, sizes 14, 16 and 18 yrs.
- 6017—Children's Rompers, sizes 2, 4, 6 yrs.
- 5587—Ladies' 30-Inch Length Coat, 6 sizes, 32 to 42 bust.
- 5550—One-Piece Kimono, sizes 2, 4, 6, 8, 10, 12 yrs.

### USE THIS COUPON FOR PATTERN ORDERS.

Farmers Mail and Breeze, Pattern Department, Topeka, Kan.  
 Dear Sir—Enclosed find ..... cents, for which send me the following patterns:

Pattern No..... Size.....  
 Pattern No..... Size.....  
 Pattern No..... Size.....

Name .....

Postoffice .....

State .....

R. F. D. or St. No.....

**BE SURE TO GIVE NUMBER AND SIZE.**

### Inexpensive Christmas Gifts.

A combing apron is very handy to slip on when one wishes to dress the hair. To make it take a linen towel of medium size, fold crossways and cut the neck hole at fold. Cut the towel down the front, and finish all raw edges with ribbon. To make it still prettier the ribbon can be cat-stitched on.

Chamois Puff—Use a round piece of chamois about 12 inches in diameter, and trim with dainty lace or ribbon.

Traveling Bag—Get 1 yard of rubber sheeting, which can be bought at a

drug store for 50 cents. Take the same amount of dark linen, and make into bags, lining with the rubber. This amount will make six nice bags, which will provide a nice receptacle for wash cloths, comb, brush, etc. Make the bags as attractive as you like by embroidering them or sewing on braid in some pretty design, and if you like sew pockets throughout the bag.

Mrs. Del B. Wyatt.

Woodward, Okla.

### Gifts For the Outside Friends. [Prize Letter.]

We all have so many friends we wish to remember at Christmas time that we need fat purses, and that is something many of us have not. Besides our immediate friends perhaps we know a girl who is away from home, or an old lady who has no one to think of her; or perhaps the telephone girl or the mail carrier has served us faithfully, and we would like to remember them in some way. Here is a plan I have followed the past two years, and I shall follow again this year: A few days or a week before Christmas I make up a lot of nice candies. For \$1.25 invested in sugar, nuts and dates—the flavorings you already have—you can make candies and stuffed dates enough to fill a number of boxes and have plenty for your own family too.

I make my own boxes. To do this I buy a square of bristol or card board from the printer, and with a pencil and rule mark off my boxes according to the amount of candy I want to put in. A nice size is 6 inches long, 4 inches wide and 4 inches deep—not very large, but it will hold quite a treat. Bend your cardboard sides up along the pencil lines, slit the ends on each side and fasten the corners with red or green baby ribbon. Cut a plain card for a cover and tie on with ribbon. A large square of cardboard or bristol board will cost 10 cents.

For uncooked candy I make French creams; and marshmallows, chocolate creams, fudge, etc., for cooked candies. Five cents worth of red sugar sand will color a lot of candy and will be prettier than other coloring. There are so many recipes for candy in the various magazines that one can easily have a variety. A box of homemade candy and a Christmas card will help out on your gifts, and please the one who receives it. I once read of a wealthy lady who had received many beautiful and costly gifts at Christmas time. Along with all these someone sent her a box of home prepared stuffed dates, and she declared that box of sweets brought her more pleasure than all the rest of her gifts.

Mrs. H. F. Tracy.

Conway Springs, Kan.

### Marking the Troublesome Rags. [Prize Letter.]

To prevent the annoyance of taking out a handkerchief, towel or napkin which when opened would prove to be torn or ragged I devised the following plan: Each Tuesday as I iron the clothes I carefully inspect each article, and every handkerchief or napkin that is torn I iron in long, narrow folds, entirely different from the others, so it will not by any chance get mixed with the good ones when the clothes are put away. Each worn towel is folded in the same manner. Each nightgown, apron, or other article worn beyond mending is torn into squares and ironed in the narrow folds, then the articles are put in a certain drawer in rows according to size and material. This drawer proves quite a treasure store; it supplies material for many purposes—bandages for cut fingers, soft dust cloths of all sizes—and is always available.

Mrs. G. F. DeLitterst.

Piqua, Ohio.

### 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, Kan.

## Emery, Bird, Thayer Company

Kansas City, Mo.



There are a little over two weeks to Christmas—this is the Southwest's greatest Christmas store. We have gathered here for the Christmas season a wonderful assortment of

# Christmas Goods

Including thousands of novelties in Fancy Goods, foreign and domestic novelties in Jewelry, Silverware, Stationery, Toilet Goods, Leather Goods, Books and Toys. Complete stocks of fine Furs, Christmas Slippers, Furniture, Chinaware, Cut Glass, Artwares, Pictures, Gloves, Handkerchiefs and other things. An early selection means a better choice and if desired we will hold goods purchased now, until wanted. Come to Kansas City to do your Christmas shopping. If you cannot come, please write, giving full descriptions of articles wanted and price you wish to pay.

Address Dept. "C.R.M."



# 98 cents

5 Year Guarantee

To advertise our business, make new friends and introduce our great catalogue of Elgin watches we will send this elegant watch to any address by mail postpaid for **Only 98 cents**. Regular gentlemen's size, open face, full engraved, high grade gold plate finish, Arabic or Roman dial, lever escapement, stem wind and stem set, a marvelously correct timekeeper and fully guaranteed for 5 years. Send this advertisement to us with your name and address and 98 cents and watch will be sent by return mail postpaid. Satisfaction guaranteed or money refunded. Remember, 98 cents is positively all you have to pay for this wonderful watch. Send 98 cents today. Address **R. E. CHALMERS & CO., 533 So. Dearborn St. CHICAGO**

### 1913 ART CALENDAR FREE

I will send a handsome 1913 wall calendar in 8 colors and gold, and a big assortment of Xmas and other past card novelties for 4c postage if you say you will show the cards I send you to 4 of your friends. C. A. Fogelsanger, 233 So. 5th St., Philadelphia, Pa.

### WIRELESS TELEGRAPH SCHOOL

Only one in America connected with a Business College. Kansas Wesleyan Business College leads, not only in Telegraphy but in Penmanship and all branches. WRITE FOR CATALOGUE. T. W. ROACH, Prest., Salina, Kansas.

### AGENTS \$36 A WEEK

Hundreds of Agents coinng money. \$5.00 worth of tools for the price of one. Drop forged from finest steel. Low priced. Fast seller. Big demand. J. A. O'Wood sold 100 in two days. He says: "Best seller I ever saw." Get in the game. Write at once for terms and free sample to workmen. **THOMAS MFG. CO., 2964 Wayne Street, DAYTON, OHIO**

### Get This Magnificent \$25 "Climax" Talking Machine

# FREE

### On My Special "First Member" Co-operative Club Plan!!

Also 10 Beautiful Selections on Big 10-Inch Records

EVERY home in the land may now know "the joys of music." Every fireside may now be made equally attractive to young and old by the most popular and most delightful form of entertainment known to this age. The "Climax" Talking Machine brings into your home the world's most famous singers, actors, minstrels, quartettes, bands, orchestras, soloists and comedians—entertainment that never gets tiresome or uninteresting—entertainment that may be used for the amusement of all the family, your neighbors and friends, at any time and all times!

I want to distribute 1,000 of the latest improved "Climax" Talking Machines—each fitted out complete with extra large horn, 100 needles and 10 famous musical selections. For this purpose I have organized the Capper Talking Machine Club and I have a most attractive plan by which I give one of these complete outfits, absolutely free of cost, to the first member joining my club from each locality.

### POSITIVELY NO PUBLIC WORK!

No Canvassing! No Soliciting!

I will ship you one of these machines absolutely free—without a cent to be paid in advance. You can play it as many times as you wish and use it as your very own for one whole month. In the meantime my original and most wonderful plan will be working in your interests and for you so that the Climax Outfit may become your own property and you may keep it forever, and always enjoy its magnificent entertainment without its having cost you a penny!

There is positively no public work, no canvassing, no soliciting for you to do! There is no "catch" in this offer by which I require you to go out and sell something. Remember, there is positively no public work of any kind for you to do in order to obtain the wonderfully liberal advantages of my great plan by which you may secure one of these fine outfits absolutely free!

Be quick! If you want to get the benefits of this unequalled "first member" plan. Send no money. Just say "Tell me about your free Talking Machine Plan." Sign name and address and mail your request today and I will mail full particulars the same day I get your letter. Address, **CAPPER TALKING MACHINE CLUB, Dept. 12, Topeka, Kansas**



# Read This Great Offer!

## Convincing Testimony

### "Handiest Piece of Furniture in the House."

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

### "More Than Pleased."

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

### "All Right in Every Respect."

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

### "All Who See It, Praise It."

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

### "Saves Many Steps."

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

### "Nothing Like It for the Money."

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

### "Very Useful and Handsome."

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

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

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

### "Everybody Thinks It Just Grand."

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

## Get This Beautiful "Gold Medal" Kitchen Cabinet FREE

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

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

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



## Positively No Public Work!

### No Canvassing! No Soliciting!

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

There is no "catch" in this offer by which I require YOU to go out and sell something. Remember, there are no IMPOSSIBLE conditions for you to comply with in order to obtain the wonderfully liberal advantages of my great plan by which you may secure one of these fine Cabinets without expense to you.

### Detailed Description of "Gold Medal" Kitchen Cabinet

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

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

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

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

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

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

ARTHUR CAPPER, Publisher.

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

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

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

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

I think so, anyway.

*Arthur Capper*  
Publisher.

## Read This Letter From My Banker

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

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

## FARMERS CLASSIFIED PAGE.

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

### HORSES, CATTLE, HOGS, SHEEP.

**SHEPHERD ponies**, write for prices. Charles Clemmons, Coffeyville, Kan.

**BARRED ROCKS**. Duroc-Jersey yearling Tatarax boar. F. F. Wood, Wamego, Kan.

**STANDARD bred trotting brood mares and stallion colts**. Prices low. Max J. Kennedy, Fredonia, Kan.

**WELSH PONIES** all ages for sale. Imported and from imported stock. Reasonable prices. Olathe Pony Farm, Olathe, Kan.

**FOR SALE**. Eight Jersey bull calves. Some from high producing dams, ready for use. Chester Thomas, Waterville, Kansas.

**FOR SALE**—Starlight Fifth, No. 2721. Mammoth Kentucky Jack, fifteen and half hands. Black, white points. Five years old. Winner first premium Okla. State Fair. L. S. Kemp, Crescent, Okla.

**ENTIRE DAIRY HERD**—50 head of the best cows—Jerseys, Holsteins and Short-horns. Fresh and springing. Just bought from a retiring dairyman. Jack Hammel, 215 Adams, Topeka, Kan.

### DOGS.

**FOR SALE**—Bird dogs either sex. E. G. Kephart, Holt, Mo.

**THOROUGHbred Scotch Collie pups** for sale. W. H. Smee, Zurich, Kan.

**1 PAIR** of Russian hounds, 1 pair of Stag hounds. Roy Phillips, Eskridge, Kan.

**HOUNDS** that catch the game. Send 2 ct. stamp for prices. Rash Bros., Centerville, Kan.

**WANTED**—White Eskimo-Spitz puppies five to seven weeks old. Also parties to take all my brood bitches and sell me their puppies. Brockways Kennels, Baldwin, Kan.

### FOR SALE.

**FOR SALE**—Small gasoline tractor. S. B. Vaughan, Newton, Kan.

**50,000 HEDGE posts** for sale in car lots. W. H. Bitts, Melvern, Kan.

**FOR SALE**—Robinson Duplex hay press—like new—price right. C. E. Reed, Norton, Kan.

**LONG GREEN LEAF TOBACCO**. Old crop. 20c hundred pounds delivered. True Cutler, Holt, Mo.

**THREE GREAT PIANOS**—Steinway, Steck, Vose. Write for prices. Jenkins Music Co., Kansas City, Mo.

**FOR SALE**—Thrashing outfit in first class condition. Separator new, cheap if taken soon. Edward Antene, Ada, Kan.

**FOR SALE**—Full blood Angora goats \$5.00 each. Pure Indian Runner ducks \$1.50 per pair. Frank B. Smith, Rush Center, Kan.

**NEW EXTRACTED HONEY**—Two 60-pound cans \$9.50. Special prices on 10-can lots. J. M. Ruyts, Carlsbad, New Mexico.

**THREE** very fine apartment buildings, near Main and Armour, income \$8,000; can divide or will exchange all for good stock farm. A. S. Jones, 3824 Woodland, K. C. Mo.

**FOR SALE**—One Keystone portable 4 hole corn sheller, new, with swing cob stacker and wagon box elevator; cost \$385, will sell very cheap. Theo. Johnston, 1219 Jackson St., Topeka.

**FOR SALE**—Good clean hardware stock in town of 800 population. Stock will invoice about \$4,000.00. Sales will average about \$16,000.00 a year. Good reasons for selling. B., care Mail and Breeze.

**FOR SALE**—One Pilot 35 light capacity Eagle acetylene generator, new, at wholesale cost. Buy this and save dealer's profit. Light your home for the winter. Write for further information today. J. Oscar Smith, Moberly, Mo.

**KANSAS PURE APPLE BUTTER**, made from selected cider, apples and granulated sugar. Put up at mill in paraffine oak kegs. 5 gal. \$4.40, 10 gals. \$8.50, 15 gals. \$12.40, 20 gals. \$16.50. F. W. Bowers, Sabetha, Kan.

**MOTORCYCLES**—Any make rebuilt, from \$25 up. Motorcycle tires, \$3 up. New motorcycles at factory prices. Buy direct. Save dealer's profit. Write for catalog. Deninger Cycle Co., Rochester, N. Y.

**WE SELL** fancy onions and potatoes 75 cents bushel. Sweet potatoes 90. Cabbage dollar cwt. Alfalfa honey \$2.50 24 rack cases. We pay 15¢ for turkeys, 10¢ for springs and heavy hens, broilers 14. Coops loaned free. Write us. Cope's Sales System, Topeka, Kan.

**LOUISIANA PURE SUGAR CANE SYRUP**. Put up at the mill without any glucose or any Sulphur Dioxide. 6 one gallon pails at \$4.00. 27 gallons ½ barrel \$13.00. 54 gallons, whole barrels at \$25.00. Above is freight paid to your railroad station. We pay the freight. Mary & Tuma, Washington, La.

### FOR SALE OR EXCHANGE.

**WE TRADE FOR ANYTHING**. Realty & Merchandise Exchange, Newton, Kan.

**FOR SALE OR EXCHANGE**—General store and meat market with store room and 7 room residence. Doing good business, will trade for farm in Kansas or Mo. If priced right. Address Box 134, Derby, Kan.

### LANDS.

**KANSAS wheat farm**—cash bargain. F. P. Cone, Chanute, Kan.

**TO TRADE**—40 acre farm for automobile. W. A. Owensby, Urbana, Mo.

**FOR SALE**—Three 80 acre improved farms close to this city. J. H. King, Cawker City, Kan.

**160 ACRES**, 100 cult., 30 bottom, one mile town, \$22.00 acre. Box 667, Weatherford, Okla.

**80 ACRES Chickaskia valley land** for sale. Good market, excellent schools, churches. James Lee, Milan, Kan.

**77 A.** all tillable, house, barn, chicken house, good water, orchard. 1 mile town. A. Fleming, Meriden, Kan.

**DO YOU KNOW BEANS?**—We trade merchandise, farms, town property, business. Williams Realty Co., Buxton, Kan.

**\$200 BUYS 10 acre poultry farm** with bungalow, \$10 down, \$5 a month. Minton Land Co., Sheldy Bldg., Kansas City, Mo.

**PRATT CITY property**. Block ground, well improved. Will sell or trade for cheap land or livestock. W. L. King, Pratt, Kan.

**CUBA LAND**—Best investment. Greatest opportunities. Finest climate. Map free. Sanderson, 280 Palace Building, Minneapolis.

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

**FARM FOR RENT**—A well improved farm of 500 acres, 300 acres in cultivation, balance in pasture and hay land. A. C. Krape, Garnett, Kan.

**FOR SALE**—Improved corn, alfalfa and stock farms, \$50 to \$75 per acre, southeastern Kansas. Write for list. J. K. Beatty, Coffeyville, Kansas.

**160 GOOD smooth land**, fair improvements, one mile north of Scranton, Kansas. \$65 per acre. W. S. Robinson, owner, Topeka, Route No. 6.

**FOR SALE BY OWNER**—A well improved 80 acre bottom farm near Tonkawa, Kay Co., Oklahoma. Address P. O. Box 56, Tonkawa, Oklahoma.

**FOR SALE**—159 a. 3 miles from Thayer, Neosho Co., Kan. 110 a. in cultivation, balance pasture and meadow. Write Box 8, Route 2, Thayer, Kan.

**NO COMMISSION**—Sell or trade your farm, city property or business quick. Save time and money. Inclose stamp. W. C. Schiede, Siloam Springs, Ark.

**FINE** eighty a. two miles from Delta, Colo., the county seat; fine fruit, sugar beet and alfalfa land; irrigated by Gunnison Tunnel; at sacrifice price. B. F. Rape, Taft, Calif.

**RAISE** paying grapefruit and orange groves on high fruit lands in "Famous Frostproof Lake Region." Easy terms. Write owners for particulars. Ohlinger & Alfield, Frostproof, Florida.

**240 ACRE** improved farm; 60 acres in alfalfa; close to school; spring water in pasture; a bargain at \$12,000; buy land at owner's prices. Write me what you want. N. F. Horn, Morrowville, Kan.

**SUNNY TENNESSEE**. Improved farms, ideal climate. 65 acres \$50. 91 acres \$1,800. 265 acres \$3,000. 120 acres \$1,000. Schools, churches, telephones, rural routes. Free list. Jenkins & Son, Huntington, Tenn.

**BIG BARGAIN** for sale by owner. Muskogee Co., Okla., 100 acres bottom farm, close railroad, surrounded by alfalfa farms; all in cultivation, no trade, \$7,500.00. M. J. Rimel, 508 North "E" St., Muskogee, Okla.

**105 A.** can all be cult. but 5 a. of timber. Bal. in wheat and good tame pasture. 1 mi. town. Price \$45 a. \$2,000 cash, balance time 6% or trade. No inc. Many other bargains. B. F. Cavanaugh, St. Paul, Neosho Co., Kan.

**EASTERN KANSAS**—Well improved 160, ½ mile town, 2 rooms school, churches. Adjoining Santa Fe Trail. 45 acres timothy and clover. 7 ½ alfalfa. Springs and abundant well. All level and fertile. Buy from owner. 2 others. S. J. Molby, Agricola, Kan.

**I HAVE TWO** extra good well improved wheat farms (one, one-half a section and one a section), in the eastern part of Treco county, that I will on account of poor health sell cheap for cash or will exchange for eastern Kansas or Missouri land. Add. Owner No. 1, care Mail and Breeze.

**FARMS FOR SALE**. We offer big bargains in improved Illinois, Iowa, Missouri, Kansas and Colorado farms. Will consider smaller farms, merchandise or income property in part payment for some of them. Write for particulars and describe fully what you have. Northern Iowa Land Co., Independence, Iowa.

**I DARE YOU**—Just because there is a \$500 payment due Jan. 1st I dare you to make me an offer for a quarter section of fine land cornering in one of the best, most rapidly growing towns in Colorado—worth \$35 per acre—lays fine—fertile soil—heavily grassed—one 40 can be divided into town lots and easily sold.—Owner, 316 Burns, Colo. Springs, Colo.

### WANTED.

**E. R. BOYNTON HAY CO.**, Kansas City, Mo. Receivers and shippers. Try us.

### FARMS FOR SALE.

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

### FARM WANTED.

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

**FARMS WANTED**. We have direct buyers. Don't pay commissions. Write describing property, naming lowest price. We help buyers locate desirable property free. American Investment Association, 28 Palace Bldg., Minneapolis, Minn.

### SEEDS AND NURSERIES.

**WANTED**—You to send for our free fruit book now, at wholesale prices. Address Wichita Nursery, Box B, Wichita, Kan.

**WANTED**—Choice seed of Mellotus or Sweet Clover, Fenclaria or Pearl Millet and Teosinte, in lots ranging from 200 lbs. to one ton. Also Squaw corn, Hickory King, genuine Bloody Butcher, and Calico or Strawberry Corn in the ear, carlots. Box 207, Sherman, Texas.

### BUSINESS CHANCES.

**\$1.00 A WEEK** will start you in a big money-making mail order business—with the best line—in spare time. Particulars free. Nadico, 1658 Belmont Ave., Chicago.

### HELP WANTED.

**GOVERNMENT FARMERS WANTED**—\$60 to \$75 monthly. Free living quarters. Write Ozment, 38 F. St. Louis.

**WANTED**—Men and women for government jobs, \$90.00 month. Write for list of positions open. Franklin Institute, Dept. H 54, Rochester, N. Y.

**WANTED**—A farm raised woman, between 30 and 40, as housekeeper in physician's family of 3. Good home, fair wages. Address A. B., care of Chanute Tribune, Chanute, Kan.

**MEN AND WOMEN** wanted for government positions, \$90.00 month. Annual vacations. Short hours. No "layoffs." Common education sufficient. Over 12,000 appointments coming. Influence unnecessary. Farmers eligible. Send postal immediately for free list of positions open. Franklin Institute, Dept. H 54, Rochester, N. Y.

**WANTED SALESMEN AND SALESWOMEN**—Hundreds of good positions now open paying from \$1,000.00 to \$5,000.00 a year. No former experience required to get one of them. We will teach you to be a high grade Traveling Salesman or Saleswoman by mail in eight weeks and assist you to secure a good position where you can earn good wages while you are learning Practical Salesmanship. Write today for full particulars, and testimonials from hundreds of men and women we have recently placed in good positions, also list of good positions open. Address (nearest office) Dept. 236 A, National Salesmen's Training Association—Chicago, New York, Kansas City, Seattle, New Orleans, Toronto.

### MALE HELP WANTED.

**\$75.00 MONTH** paid railway mail clerks. Examinations coming. Preparation free. Franklin Institute, Dept. H 54, Rochester, N. Y.

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**AGENTS**—Would you take a steady job starting right away, earning \$30 a week with chance of promotion to position of district manager at three thousand dollars yearly. No experience required. My line is snappy, self-sellers that make and hold customers. Need seventy-five more salesmen. If you want to make big money quick write me today. E. M. Davis, 1052 Davis Block, Chicago.

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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.

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We pay highest prices for furs. You can figure just what you'll get back as we have one grading on skunks and give you a fair deal. No commission charges. Immediate remittance when shipment arrives. Write today for new price list and free shipping tags.  
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Send for my special price list at once. It will save you money. I charge no commission and pay cash promptly. I want regular customers. Sell direct to me.  
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10 to 50% more money for you to ship Raw Furs, Horse and Cattle Hides to us than to sell at home. Write for Price List, market report, shipping tags.  
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**FUR COAT, \$12.50**  
We tan the hide and make your coat for only \$12.50. Complete coat (we furnish hide), \$18.00. A square deal, all work guaranteed. We are pioneer tanners of this country of cattle and horse hides for coats, robes, rugs, harness, lace, leather, etc. Write for free booklet of information on handling and shipping hides; also price list.  
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# MARKET PROBABILITIES

[Written Specially for the Farmers Mail and Breeze.]

Heavy receipts of cattle in Chicago weakened prices for beef steers to the extent of 10 cents, and reflected some weakness at river markets the first of the week. Other classes of cattle were steady except that stockers and feeders were stronger.

The cattle market last week developed nothing out of the ordinary for Thanksgiving week. The general market was stronger, but late Tuesday showed a tendency to weakness. Little precedent of value can be gained from a holiday week and the next few weeks will show the most interesting trend of the season. The International Live Stock show has started in Chicago, and killers have their eyes on some three dozen or more loads of finished beeves offered. Most of them will go for Christmas beeves, and in fact that supply is the bulk of the strictly finished beeves that will be collected in December. At river markets the first 15 days this month a few prime steers will be offered, but most of the supply will be in the short fed class. With the turkey season over for this year the roast beef season has started. Packers expect the beef trade to assume wide proportions between now and the first of the year, and the only check anticipated will be the high prices. Notwithstanding the scarcity of prime beeves average quality is expected to be better than a year ago. Farmers and feeders say that the open winter thus far, together with excellent fall and winter pastures have placed cattle in excellent condition for wintering and feeding. The good quality of the corn, compared with last year will be a factor in the pounds gained. Reports from the oil mills in Oklahoma indicate fewer cattle on feed than a year ago, but this number is increased to a considerable extent by small bunches being fed by farmers and Oklahoma as a rule will have about as many as a year ago. Colorado will have considerable beef pulp and hay to feed, and it is quite probable that late winter will see a good many fat cattle come from that state. It's a guess on the corn belt supply, but early marketing of short fed beeves has drawn heavily on future supplies, and indications are that Illinois, Iowa, Missouri and Kansas will market fewer cattle in January and February than a year ago.

### Butcher Cattle Market Firm.

The only new feature that has shown in the cow market in the past week was the offerings of fed grades. Some in that class sold at \$6.75 to \$7.25, but most of the offerings were "canners" to good grass fat that sold at \$3.50 to \$6.50. The next two weeks will make the change to fed grades entirely, and prices will take on a higher range. Some fed heifers sold at \$6.50 up to \$8.25, and some tidy weight grain fat grades would sell higher. Veal calves about held steady, though some weakness was quoted at eastern points.

### Light Stocker and Feeder Trade.

Thursday's holiday broke into the movement of thin cattle more than for any other class. Demand though was sufficient for all offerings, and from now on there will be little trouble in disposing of all except the lighter weight kinds. Commission men hold unfilled orders for all classes, and eastern buyers are keeping close watch for the heavy, half fat kinds. Milch cows are very scarce and prices firm. Country buyers say that few are available in the country. Stock calves are quoted steady.

### Hog Situation is Bullish.

Hog prices fell back 5 to 10 cents on Monday, though the strongest part of the market was towards the close. The top price in St. Louis was \$7.85, in Kansas City \$7.82½, in Chicago and St. Joseph \$7.75 and in Omaha \$7.70.

Though no important net change occurred in the hog market last week, the general position is considered bullish. Prices broke early in the week and recovered the loss later. Receipts have been fairly liberal, though short of both the preceding week and a year ago. Traders say that November receipts will be relatively larger than December receipts, and that the movement now, light in weight is at the expense of future supplies. In the past two years cholera has collected a heavy death rate in practically every hog producing state, and a good many sick fall pigs are still coming. Packers are going to hold prices below 8 cents as long as possible, but when the upward movement sets in there will be a material advance. Comparatively few hogs are following cattle owing to scarcity and high prices of stock hogs. The situation of the market is bullish, whether December shows any material rise or not. Packers have been unable to get prices below \$7.50 in more than a month past.

### Fed Sheep Make Market Bow.

Fed sheep have been ushered onto the market rostrum and the past ten days marks the change from grass fat to fed offerings. As yet only a few fed lambs have been offered, but fed

sheep in the weightier classes sold at \$4.50 for ewes, \$4.85 for wethers and \$6.25 for yearlings. The movement will begin slowly. The open season thus far has brought in a far larger number of grass sheep than was expected a month ago, and the season between grassers and fed grades will be short. The general market last week was strong to 25 cents higher. Eastern markets which have been lagging for some time past showed the greatest advance. The top price in Chicago was \$7.75 for lambs and \$7.65 at river markets. Buffalo for sometime past has been receiving large supplies of native sheep but from now on they will draw their supplies from the Central West. Wool and pelt prices are firm, and wholesale prices for mutton were advanced ¼ to 1 cent.

### Light Trade in Horses.

The Thanksgiving holiday reduced demand for horses and mules. Fewer buyers were wanting supplies than for some time past, but receipts were small at all markets and prices held about steady. Some mules went to the cotton states and there was some demand for heavy horses, but the supply was unusually small. In the next few weeks only a scattering demand is expected, and the trading will be quiet until after the first of the year.

### The Movement in Livestock.

The following table shows receipts of cattle, hogs and sheep at the five (Continued on Page 28.)

**IOWA FARMS!** Best soil, good improvements, all sizes, bargain prices, easy terms. Write today for our 1912 illustrated list. **NORTHERN IOWA LAND COMPANY, Independence, Iowa.**

# CAKE—CAKE—CAKE

Write or wire for delivered price. All Choice Cotton Seed Products. Get sample of our Pea Size Cake, suitable for Sheep or Young Cattle.  
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**JAS. C. SMITH HIDE CO., Topeka, Kansas**



# FUNSTEN Pays CASH for FURS!

**We Want Ten Million Dollars' Worth of Furs**  
Biggest Prices! Better Grading! Most Money by Return Mail!

Those are the advantages you have in sending your furs to Funsten. We are the largest in the world in our line. The biggest American, Canadian and European buyers are represented at our regular sales. Competition for Funsten Furs is greatest. As we sell furs in larger quantities and get more spot cash, we can pay you more cash for yours than you can get anywhere. We count on large volume of business and small margin of profit. No traveling buyers—do all our business direct with you. We want ten million dollars' worth of furs. We want your shipments, anything—from one skin up.  
**Big Money in Trapping** Do trapping during spare time. It's good sport and pays big. Mink, coon, skunk, muskrat, fox, wolf, lynx, white weasel and all kinds of furs are valuable.  
**Traps** To accommodate trappers and shippers we furnish traps, including the famous VICTOR at factory cost. Largest stock in U. S.  
**Funsten Animal Bait** Guaranteed to increase your catch or money back. Beware of imitations. Funsten Animal Bait won Grand Prize at World's Fair in 1904. U. S. Government uses Funsten Bait. One can of Funsten Animal Bait brought one man in St. Michaels, Alaska, \$1,199 clear profit. Costs only \$1 a can. Different kinds for different animals. Whether you are an experienced trapper or just a beginner, we can help you catch more furs—make more money. Write today for free Trapper's Guide, Game Laws and Trapper's Supply Catalog—three books in one—Fur Market Reports, Funsten Safety Fur Shipping Tags, etc. ALL FREE. (32)  
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## PERCHERON MARES AND STALLIONS

Tuesday, December 17, at  
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IN STATE AGRICULTURAL COLLEGE JUDGING PAVILION

### PRIZE-WINNING MARES

Including

#### Imp. Galette

Grand Champion Mare Kansas and Oklahoma State Fairs and American Royal, 1912.

And her team mate

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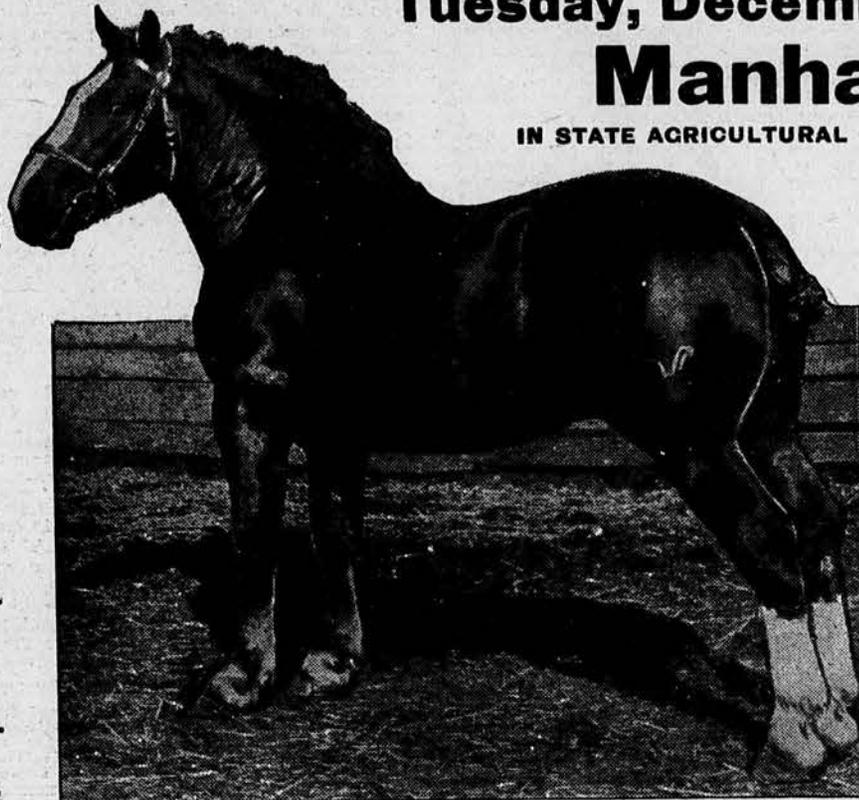
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#### Carno

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#### De Costeline

Reserve Champion Stallion Kansas' Two State Fairs, 1912.



TWICE A RESERVE CHAMPION IN 1912.

Including our  
1912 Show Herd From

### The Blue Ribbon Stock Farm

50 Head—35 Mares and Colts  
and 15 Stallions—50.

Including 20 Mares bred to Imp. Scipion 27123 (43667), champion stallion of France and America wherever shown.

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Auctioneers: Cols. Snyder, Brady, Crews and Busenbark.

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NOTE: THE ROBISON PERCHERON SALE, TOWANDA, KAN., DECEMBER 19

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Percheron  
Stallions, Mares  
and Colts

A select lot of 25 head from my recent importation of 90 head from France, together with 25 head of my best American bred animals will make this the greatest offering ever sent into a sale ring in the West.



CASINO, undefeated champion, still looking for trouble.

Whitewater Falls  
Stock Farm,  
Towanda, Kan.  
Thursday,  
December 19

Sale will be held in  
Sale Pavilion on the farm

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J. D. Snyder, W. M. Arnold.

## Send for catalog to J. C. ROBISON, TOWANDA, KAN.

LEE BROS. PERCHERON SALE AT MANHATTAN, KAN., DECEMBER 17, 1912

# WHAT BREEDERS ARE DOING

**FRANK HOWARD,**  
Manager Livestock Department.

**FIELDMEN.**

- A. E. Hunter, Kansas and Oklahoma, 410 East Williams street, Wichita, Kan.
- J. W. Johnson, 820 Lincoln St., Topeka, Kan., Kansas and Nebraska.
- C. H. Walker, Kansas, Missouri and Nebraska, 3632 Flora Ave., Kansas City, Mo.
- Geo. W. Berry, E. Kansas and southern Missouri, Capper Bldg., Topeka, Kan.
- Grant Gaines, Iowa, 384 Chamber of Commerce Bldg., Omaha, Neb.
- G. E. Hall, Nebraska, 334 Chamber of Commerce Bldg., Omaha, Neb.
- H. W. Graham, Iowa and Illinois, Chillicothe, Mo.
- E. R. Dorsey, Girard, Kan.

**PUREBRED STOCK SALES.**

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

**Combination Sale.**

Feb. 12-13-14—L. E. Wooderson, Mgr., Caldwell, Kan.

**Percheron Horses.**

Dec. 17—Lee Brothers, Harveyville, Kans. at Manhattan, Kans.  
Dec. 19—J. C. Robison, Towanda, Kan.

**Jacks and Jennets.**

Feb. 6—Limerick & Bradford, Columbia, Mo.

**Poland China Hogs.**

- Dec. 11—H. C. Graner, Lancaster, Kan.
- Dec. 20—Miller and Manderscheid, St. John, Kan.
- Jan. 17—S. A. Roberts, Knoxville, Ia.
- Jan. 20—Roy Johnston, South Mound, Kan.
- Jan. 21—Peter Ellerbrook Est., Sheldon, Ia.
- Jan. 30—C. W. Jones, Solomon, Kan.
- Feb. 5—J. L. Griffiths, Riley, Kan.
- Feb. 6—H. Fesenmeyer, Clarinda, Ia.
- Feb. 7—Olivier & Sons, Danville, Kan.
- Feb. 7—J. O. James, Braddyville, Ia.
- Feb. 15—L. E. Holmes, Bloomington, Neb.
- Feb. 15—Thos. F. Walker & Son, Alexandria, Neb.
- Feb. 18—J. H. Harter, Westmoreland, Kan.
- Feb. 21—R. W. Halford, Manning, Ia.
- Feb. 22—C. L. Branich, Hiawatha, Kan.
- Feb. 22—C. C. Ingram, Bloomington, Neb.
- Feb. 26—J. W. Pfander & Sons, Clarinda, Ia.
- Feb. 26—L. R. McClarnon, Braddyville, Ia.

**Duroc-Jersey Hogs.**

- Jan. 8—Munsell & Isenberg, Herington, Kan.
- Jan. 15—H. B. Miner, Guide Rock, Neb.
- Jan. 16—F. C. Crocker, Filley, Neb.
- Jan. 22—Thompson Bros., Garrison, Kan.
- Jan. 24—John Higgins, Abilene, Kan.
- Jan. 29—W. E. Monasmith, Formoso, Kan.
- Jan. 30—Leon Carter, Asherville, Kan.
- Jan. 31—W. H. Seddon, Persia, Ia.
- Feb. 1—Geo. P. Philippi, Lebanon, Kan., at Esbon, Kan.
- Feb. 4—J. O. Hunt, Marysville, Kan.
- Feb. 5—Mosier & Fitzwater, Goff, Kan.
- Feb. 5—Samuelson Bros., Cleburne, Kan.
- Feb. 6—Samuelson Bros., Blaine, Kan.
- Feb. 5—Mosier & Fitzwater, Goff, Kan.
- Feb. 7—Agricultural College, Manhattan, Kan.
- Feb. 7—A. T. Cross, Guide Rock, Neb.
- Feb. 8—Hammond & Buskirk, Newton, Kan.
- Feb. 8—Geo. E. Garrett, Bloomington, Neb.
- Feb. 11—E. H. Shaw, Esbon, Neb.
- Feb. 19—E. M. Myers, Burr Oak, Kan.
- Feb. 20—Geo. W. Schwab, Clay Center, Neb.
- Feb. 20—Rinehart & Son, Smith Center, Kan.
- Feb. 21—W. C. Whitney, Agra, Kan.

**Berkshire Hogs.**

Feb. 7—Agricultural College, Manhattan, Kan.

**O. I. C. Swine.**

Feb. 6—H. L. Bode, Friend, Neb.  
Feb. 7—Chas. H. Murray, Friend, Neb.

**Hampshire Hogs.**

Jan. 23—T. W. Lavelock, Princeton, Kan.

**Polled Durham Cattle.**

Jan. 2—Achenbach Bros., Washington, Kan.

**Holsteins.**

Feb. 4—Rock Brook Farm, Omaha, Neb.  
Feb. 4—H. C. Glissmann, South Omaha, Neb.

**Herefords.**

Feb. 26—Warren T. McCray, Kentland, Ind.

**Jersey Cattle.**

Dec. 12—J. U. Howe, Wichita, Kan.

**Kansas and Oklahoma.**

BY A. B. HUNTER.

**Good Enough Again King.**

This great boar heads the good herd of Duroc-Jerseys owned by W. W. Otey & Son of Winfield, Kansas. Messrs. Otey are offering 25 gilts and 20 boars sired by this richly bred hog. Also 8 tried sows and 12 fancy gilts bred to him. This firm makes a specialty of herd boars and show prospects. They guarantee their shipments and back up every statement. Try them if in need of anything in Duroc-Jerseys.

**The Caldwell Combination Sale.**

The Kansas and Oklahoma Improved Stock Breeders association will hold a combination sale as usual. It will be a three days sale beginning Wednesday, February 12th. The patrons of this sale will have a splendid opportunity to dispose of some of their surplus livestock without the great trouble and expense of arranging for an individual public sale. Not in the five years that the writer has been in this field have the prospects for a sale at Caldwell, Kansas, looked so bright as the forthcoming combination sale and Mr. L. E. Wooderson, its efficient manager says that more patrons and better stock are now assured than ever

before at this period in advance of the sale dates. So those who expect to consign stock, either horses, cattle or swine of whatever breed, should get in touch with Mr. Wooderson right away as it will be necessary to get out catalogues and make all the proper arrangements in good time. Don't wait but write today for entry blanks. Address L. E. Wooderson, Caldwell, Kan.

**Duroc-Jersey Bred Sows.**

R. C. Watson, Altoona, Kansas, who owns one of the richly bred herds of Duroc-Jerseys in this state is offering a select lot of tried sows and gilts bred for spring farrow. He is offering open gilts and some summer pigs. His hogs have the run of alfalfa and wheat and are in splendid condition. His summer pigs will weigh a pound for each day of their age. He will make close prices on these and will be glad to have anyone interested in Duroc-Jerseys write him.

**Duroc Hog Sale at Wichita.**

J. U. Howe, Wichita, Kansas, will offer Thursday, December 12th, 40 head of Durocs. They are all immune to cholera. If you want tried sows or fancy gilts or a young herd boar you should arrange to attend this sale. One of the best yearling Col. bred boars to be found in the country will be offered in this sale; also the great breeding boar Gold Standard, by Gold Cloud, an Illinois Champion. These hogs carry the best blood of the breed and in the offering are a number that should go to the best breeders. We invite you to read the display ad on another page which will tell you more regarding this choice Duroc offering. Mr. Howe will also sell a nice lot of Jersey cattle including six head of choice milch cows. Write today for catalog.

**Cooper's Stallions and Jacks.**

C. F. Cooper, Nickerson, Kansas, has moved his Percheron and Belgian stallions together with his Mammoth Jacks to Hutchinson, Kansas. His sale barns are located at the Hutchinson State fair grounds. If you are expecting to purchase anything in the stallion or jack line just drop off at Hutchinson, Kansas, either depot and take a street car for the fair grounds. Mr. Cooper is making attractive prices on both stallions and jacks. The stallions range from three to six years old and include both imported and home bred stallions among which are several prize winners at Hutchinson State fair this year. When you write or call please mention Farmers Mail and Breeze.

**Kansas and Nebraska.**

BY J. W. JOHNSON

**300 Holstein Cows.**

H. C. Glissmann, Omaha, Nebr., is starting his advertisement in this issue of Farmers Mail and Breeze. Mr. Glissmann owns a 300 acre farm in Madison county, N. Y., which is located in the center of the greatest Holstein cattle territory in the world. His farm is but two miles from the farm where the first herd of Holsteins was founded 42 years ago. Mr. Glissmann is shipping west 300 head of high grade cows and heifers from two to five years of age. It should be remembered that these cows are almost purebred—as purebred bulls have been used in that section for 35 years. All of the cows and heifers are bred to purebred bulls and many of them will freshen soon. He is also offering for sale 35 bulls of serviceable age and they are all purebred. Everything is tuberculin tested. The cows and heifers will be sold in any number desired. Mr. Glissmann will be pleased to answer inquiries promptly. Address H. C. Glissmann, Station B, Omaha, Nebr., and mention Farmers Mail and Breeze. Look up advertisement in this issue.

**Young Polands Sell Well.**

F. W. Comfort's sale of Poland Chinas at Cawker City, Kan., last Wednesday was fairly well attended but the prices received were not as good as Mr. Comfort had a right to expect. The offering was young but of good blood lines and a creditable showing for Mr. Comfort. Among the prominent breeders in attendance was F. C. Strelbel, Alton, Kan.; W. A. Prewett, Asherville; Senator Logan, Beloit; Ole Hansen, Mankato; Lloyd Loudermilk, Glen Elder; Spencer Young, Osborne and a number of others. Mrs. Comfort served a nice dinner and the sale was held in a comfortable pavilion which Mr. Comfort had arranged. Will Myers of Beloit conducted the sale and was assisted by Ole Hansen and Spencer Young. Most of the offering was of May and June farrow and was too young to sell as well as the quality

**PUREBRED HORSES.**

**The Best Imported Horses** One thousand each. Home-bred registered draft stallions—\$250 to \$650 at my stable doors. A. LATIMER WILSON, CRESTON, IOWA.

**Percheron and Belgian Stallions and Mares.** Imported and home bred. Easy terms. HART BROS., OSCEOLA, IOWA

**JACKS AND JENNETS.**

**BEST MAMMOTH JACKS IN KENTUCKY.** We have forty-five of the best, big bone, Mammoth Jacks in Kentucky. Visit the Cloverdale Farm and save two or three large profits. Write for circular and testimonials. H. T. BROWN & CO., Box B, Lexington, Ky.

**Jacks and Jennets**

One of the largest selections of large Black Mammoth Jacks in the West. 15 to 18 hands standard. I have the large kind that all are looking for; the kind that bring the large high-class mule. Reference: the five banks of Lawrence. A. E. SMITH, LAWRENCE, KANSAS.

**Truman's Pioneer Stud Farm**  
America's Largest Importers

Shire, Percheron and Belgian Horses

Write for Illustrated Catalogue.  
TRUMAN'S, Box E, BUSHNELL, ILLINOIS

**STALLIONS and JACKS**

Percherons and Belgians, also Mammoth Jacks and Jennets. State Fair winners and all at prices that will move them. Write today describing your wants.

C. F. COOPER  
R. 4, Box 4, Hutchinson, Kan.

**PIONEER STOCK FARM**

We have on hands at all times Percheron, Belgian, Shire and German Coach stallions and mares from weanlings to 6 years old. Imported and home bred stallions and mares weighing up to a ton or better. They are priced to sell; am selling all the time. Can show you. Come and see.  
JOHN W. WADDILL & SON, (Adair County), BRASHEAR, MO.

**50 - PERCHERON STALLIONS - 50**

Bishop Brothers have 50 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. We have them to sell. Write us.  
BISHOP BROTHERS, Box A, TOWANDA KANSAS.

**Belgian and Percheron Stallions and Belgian Mares**

Imported and Home-Bred, ELEVEN American Royal Prize Winners. All of our horses have been selected with extreme care as to breeding qualities. Every one sound and fully acclimated. Sold with breeding guarantee and terms to suit and at farmers' prices. Come and see us. Write for particulars.  
BLUE VALLEY STOCK FARM, Blue Mound, Linn County, Kansas.

**Bergner & Sons' Coach Horses**

65 Head German Coach Horses, with Size, Beauty and Action  
A general purpose horse that fits the farmer's need. Write for further particulars. We are offering stallions at prices you will be able to pay for with proceeds of one season's stand. Also mares either single or in matched teams. Write or call soon.  
J. O. BERGNER & SONS, "Waldock Rancho," Pratt, Kan.

**Imported Stallions: Percheron, Shire, Belgian**

Each year we show our New Importation the same Month they land. Each year they win more than all other Exhibitors combined. At the American Royal this year, we won 2nd on 4-year-old Percheron, 1st, 3rd and 4th on 3-year-old, 1st and 3rd on 2-year-old, and 1st and Champion Group of Five Stallions. Our Horses are Handsome and the best to buy; Our Guarantee and Insurance the very best.  
PERCHERON IMPORTING CO., Chas. R. Kirk, South St. Joseph, Mo.

**Robison's Percherons**

Stud headed by the champion, Casino 27830 (45462.)

Stallions and Mares, all ages for sale. Importation of 40 head landed at the farm September 23; 30 head more landed here October 20. All are for sale.

J. C. Robison, Towanda, Kan.

**MR. STALLION BUYER!**

**I Want You To Come To Emporia, Kansas**

and visit my barns. Let me show you the best lot of Percheron and Belgian Stallions you ever saw for the money.

**We Have the Goods.**

An unusual variety from which to select. All we ask is a chance to show the goods. You will say the price is right. That is why it is hard to get away from Wiley's without buying a stallion. Look at all the horses you can before you come. Wiley gives a cash guarantee and meets all competition, quality considered. For full particulars write

**L. R. WILEY, Emporia, Kansas.**

Breeding Farm, Elmdale, Ks. Sale Barns, Emporia, Ks.

**PERCHERON AND ROYAL BELGIAN Stallions and Mares**

Our recent importations are now for sale. You will like the type because they have the QUALITY, BONE and WEIGHT AND are PRICED RIGHT. Come and write,

**Wolf Brothers,**  
Box B, Albion, Nebraska



and breeding warranted. Mr. Comfort expects to hold annual sales and this is the beginning. He expected a little better prices but expressed himself as being satisfied and appreciative of the nice attendance of both farmers and breeders. He will likely buy some choice bred sows this winter.

#### Polled Durham Auction.

Achenbach Bros., Washington, Kan., are probably the best known breeders of Polled Durham cattle in the west. For two or three years they have been planning to hold a public sale and January 2nd, has been selected as the date of their draft sale which will be held at their farm which joins Washington on the west. Col. Geo. Bellows has been engaged to conduct the sale and it will be to those interested in Shorthorn cattle and especially Polled Durhams the big event of the season. 27 head will be sold, 12 of which will be bulls of serviceable age, including The Baron, their great herd bull, four years old and in his prime of usefulness. He was placed at the head of the aged bull class at the Iowa state fair this season and won the same place at the Kansas State fair at Topeka. He will weigh easily 2,500 pounds and could be made to weigh much more. The younger bulls range in ages from 8 to 12 months and are a select lot. Achenbach Bros. are thorough business men and know the cattle business thoroughly. Every animal will be found in perfect breeding form. All the cows and heifers will be bred or have calves at foot. The sale will be advertised in Farmers Mail and Breeze and Mr. George Berry, who is probably more familiar with this great herd than any other fieldman will write the future notices and the copy for the advertising. The Achenbachs will be glad to answer any questions about the sale offering and will do so promptly. Watch for information about the offering which will appear soon in this paper.

#### Kansas and Missouri

GEO. W. BERRY.

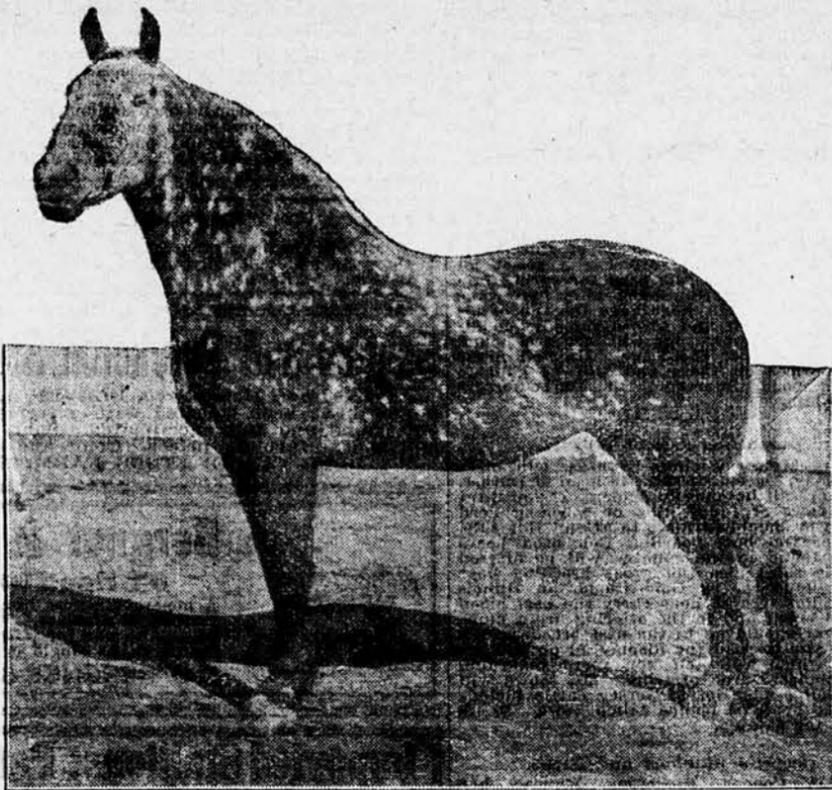
Judah Bros., of Hiattville, Kansas, are offering some real holiday bargains in bred sows and gilts bred for spring farrow. You will also note the extreme low prices which they are making on choice fall and spring boars. Do not fail to write them for full description and more complete price list. See their advertisement elsewhere.

#### Lee Bros.' Percheron Sale.

The sale of Percherons announced by Lee Brothers to be held at the state agricultural college at Manhattan is an opportunity of unusual importance to horsemen. The offering of 50 mares and stallions is characteristic of the Percherons for which Blue Ribbon Stock Farm of Lee Brothers is justly celebrated. These gentlemen have owned many of the famous specimens of the Percheron breed and representatives of the Blue Ribbon Stock Farm have achieved prominence as the winners of first prizes and championships at the big shows. It will be remembered that some dozen head of the great mares shown by Mr. W. S. Corsa in the sensational string of mares, in 1911, were purchased from Lee Brothers, including

four of the highest priced mares in the record breaking sale at Gregory Farm. Notwithstanding the splendid record made by Lee Brothers' Percherons in past years, their present holding of mares and stallions has been pronounced by competent judges to be the best they have ever owned, and their offering at Manhattan on Dec. 17, the best they have ever made. This sale includes

the Blue Ribbon Stock Farm herd has the distinction of having sold as a two-year-old for \$4,000 and was the champion horse wherever shown in France and America. The large number of choice mares in this sale have their intrinsic value augmented by being in foal to this celebrated horse, and their prospective foals will make attractions on the farms where they are sold.



Allie—Owned by Lee Bros., Harveyville, Kans., in sale at Manhattan, Kans., Dec. 17; companion to Imp. Galette, grand champion Percheron mare, Kansas and Oklahoma State fairs and American Royal, 1912.

their entire show herd of 1912 excepting the aged stallion, Imp. Scipion. The superb team of mares, Imp. Galette and Allie go in the sale; also, the three-year-old mare Imp. Jocaste, the two-year-old blacks, Irene and Rose, the champion yearling grey mare Della, and the high class stallions, De Costelline, reserve champion of Kansas and the black Carno, champion American bred stallion at American Royal. A prominent feature will be found in the twenty head of mares which are bred to Imp. Scipion, one of the very great stallions in America. This famous black stallion now at the head of

Remember date and place of sale as above noted. The catalogue will be sent on application to Lee Brothers, Harveyville, Kan.

#### Chas. Dorr's Durocs.

In the breeder's column of Duroc-Jersey swine you will find the advertisement of 75 head of Duroc-Jersey bred gilts, big early boars and a lot of summer pigs, from one of the oldest Duroc breeders in Kansas, Chas. Dorr. These pigs carry the breeding of Ohio Chief, Tatarax, W. L. A.'s Choice Goods, Hanley Boy, Goldfinch and Kant Be Beat. He is selling his hogs at farmers'

prices. Pedigree goes with each one sold and nothing shipped but what is good and just as he will represent it. Write to him at Osage City, Kansas, for prices and get a start in full blooded Durocs cheap.

#### Karakule-Arabi Sheep.

We desire to call your attention to a new industry for United States sheep breeders, viz., the raising of Karakule-Arabi sheep for their fur. Government statistics show that we are sending more than 14 million dollars annually to Asia for Persian, Astrachan and Krimmer fur. Why not produce fur for our own consumption? There is no branch of the sheep industry that will pay you better than the growing of these lambskins for fur. It has also been demonstrated that the mixture of Karakule-Arabi blood with our native sheep very materially increases the weight and quality of the mutton, and the fact that the Karakule-Arabi sheep are the hardiest known to civilization can go for days without water, and stand the most severe cold or heat, should prove that the infusion of their blood into your flock will prove a valuable investment. At this writing the Karakule Sheep Co. has a limited number of lambs, at very reasonable prices. If you want one or more of them, write at once, as the demand is greater than the supply. The company issues a neat little booklet giving full information about the breeding of these sheep and the profit in the business. Address Karakule-Arabi Sheep Co., Majestic Bldg., Topeka, Kan. 1/4

#### Iowa

##### GRANT GAINES.

#### Lawson's Coming Sale.

Long King's Equal is still siring the kind that breeders and farmers are looking for and are willing to pay good prices for. Mr. Jno. B. Lawson will sell in February a good lot of bred sows safe in pig to Long King's Equal. We will have more to say about this sale offering in the near future. Watch for it.

#### Great Herd Will Be Dispersed.

On February 7 the great herd of Poland Chinas owned by the late Peter Ellerbroek of Sheldon, Iowa, will be dispersed at public auction. Since Mr. Ellerbroek's demise the herd has been in the hands of his sons, who are in every way familiar with the former management their father gave this herd. The young Ellerbroek's are handling the herd along the same lines that gave it such a favorable reputation under Mr. Ellerbroek's care and they will on February 7 offer 80 head of bred sows, the tops of the spring gilts, fall gilts and herd sows. Practically the progeny of every popular big type boar of the breed will be in this sale. It will be a superior offering. Watch for further announcement.

#### Gritters' Northern Bred Polands.

Recently we visited the herd of big Poland Chinas owned by Mr. Ed Gritters of Hull, Iowa. This famous herd is located well up in the northern part of Iowa on the main Dakota line of the Milwaukee rail-

# Lamer's Percheron Sale

## Salina, Kan., Friday, Dec. 27, 1912

We will sell at Salina, Kansas, on Friday, December 27, 1912, Fifty-seven (57) head of imported and home-grown Mares and Stallions, consisting of:

- 24 Mares, 2 to 5 years old, in foal**
- 7 "Yearling" Mares**
- 12 "Suckling Colts"**
- 10 Stallions, 2 to 5 years old**
- 3 "Yearling" Stallions**
- 1 Imported Hackney Stallion**



This consignment of horses was very carefully selected by me during the past summer and I can say, without the least hesitancy, that they are as good, or better, a lot as will be offered at public auction this winter.

Our aged mares are all in foal by the best Stallions in the country and I can assure you that I bought only the kind that would build up a reputation for myself and establish a foundation of a family of horses.

We also have 40 Percheron and Belgian Stallions in the stables,—from 2 to 5 years old, weighing from 1,700 to 2,100 pounds,—that we are offering at private sale.

**Date of Sale December 27, 1912. Write for Catalogue.**

P. S.—On the following day, Saturday, December 28, 1912, we will sell 100 head of grade farm mares and mules

**C. W. LAMER & CO., Salina, Kan.**

road. It is the land of big things and the birth place of the modern big Poland China hog. Our readers who live in the mild climate of nearly perpetual sunshine of the southwest would have been greeted with many surprises the day we looked over the herd of Mr. Gritters if they could have been suddenly transported to this great northwestern prairie, which was 20 years ago swept with death dealing blizzards that often froze men and livestock. The climate has been greatly changed since then but it is still rugged and cold and develops a strong constitution in both men and livestock. It is the natural habitat of big hogs. They must grow big in order to survive. But their size is not alone desirable for climatic resistance. There is an added profit in selling a 500 to 700 pound yearling or a 300 to 500 pound under a year hog which is near the average of the porker sent to the Kansas City

stock yards. It is not at all strange that the men who have fought for the big hog and made him popular should be the ones to first recognize his worth. They came from a country in Europe where land is worth \$2,000 an acre and they are by their good farming making land values high here in Iowa and the big Poland China is a strong factor in the game. Early in February Mr. Gritters will sell about 70 head of big Polands. They will be bred to some of the greatest boars of the breed. A Wonder A, by Fessenmeyers' A Wonder stands nearly as high as the ordinary field fence and if fat I think would be the biggest hog we ever saw. Watch these columns for review of Mr. Gritters' sale offering.

**Kansas, Missouri and Iowa.**

BY C. H. WALKER.

**Dean's Immune Mastodons.**

There is no denying the popularity of the big type Poland Chinas. They came into favor through necessity and have since proven their worth in every particular. They have filled the long felt want and need of bigger hogs, heavier bone, prolificacy. There is no question of the value of immunizing against cholera. Cholera is the greatest menace of the present day to swine. Breeders have come to realize that it is an issue that must be met squarely and openly and practically all of the more progressive breeders and feeders are protecting their herds and their customers by this method. Clarence



Mastodon Price \$4250

Dean of Weston, Mo., was among the first to engage in the breeding of the big type Polands and one of the first to see the advantage of serum treatment to fight the cholera. These two points should be big factors in the prospective buyer's consideration. It is worth a whole lot to the buyer to know where he can get the right kind of Poland China breeding material and to know that they are immune from cholera. The Dean herd of Mastodon Polands offers this advantage. Because Mr. Dean has been progressive in his breeding operations is one reason for his heavy trade. Breeders buy from him because they know they will get good hogs and at a minimum risk. In Mastodon Price, Columbia Wonder and Gritter's Longfellow 3d, Mr. Dean has three big type boars carrying the blue blood of the breed. Mastodon Price (illustration shown herewith), the senior herd boar, has sired a wonderfully good lot of boars and sows and his get is in demand because they prove out. We urge those in the market for choice breeding material backed up by the best blood lines and blood that is free from cholera to write Mr. Dean for his descriptions and prices. He guarantees the stock he sells and sells it worth the money.

**Duroc-Jersey Boars at \$25.**

Chas. L. Taylor of Olean, Mo., who made such an enviable show record on his Duroc-Jerseys at the Missouri State fair and the American Royal is making special prices now on boars sired by his prize winning herd boars and on a fine line of gilts bred to them. At the prices which he is offering these pigs, \$25, farmers or breeders in the market should by all means write Mr. Taylor. It is very seldom such bargain prices are made on breeding stock carrying the very best blood lines and backed up by prize winning ancestry. Mr. Taylor is making this limited offer in order not to carry too many boars through the winter. Write him per his advertisement in this issue and kindly mention this paper.

**Limerick & Bradford's Jack Sale.**

Shortly after the first of the year Limerick & Bradford of Columbia, Mo., will sell a selected offering of Mammoth Jacks and Jennets. The date they have selected is February 6 and this will be one of the first of the series of jack sales to be held in Missouri this winter and spring. They have sell only by exclusive agency in each town, listed 40 head, 25 jacks and 15 jennets, all of which have been carefully selected as to individuality, soundness and breeding ability and are young and of serviceable age. Those in the market for jacks that are both young and good should keep this sale in mind. More detailed mention of this offering will be made in due time

**Iowa and Illinois.**

BY H. W. GRAHAM.

**Yoakam's Polled Durham Sale.**

Readers of this paper will be interested in the coming sale of Polled Durham cattle to be sold at public auction at the English River Stock Farm, at Webster, Iowa, Thursday, December 12. This offering is made by Marion Yoakam & Sons of that place, who have been breeders for over 12 years of this well known breed. Their herd had for its foundation stock as good as could be obtained in the country, largely made up from select individuals purchased of the J. H. Miller herd of Peru, Ind. At the head of this herd stands White Gauntlet, a fine big 4-year-old bull of excellent type. He is a grandson of the great prize winner, Golden Gauntlet that helped to make the Miller herd famous. The females in this offering are nearly all bred to him to bring calves early in March to June. There are no old cows in the offering of females. They are all guaranteed breeders. Among them are some fine specimens of such families as Misses, Knowlmores, Orange Blossoms, Rose of Sharons and other noted strains. Cruickshank blood predominates in this herd and over half of this offering is Scotch bred. Among the 11 head of bulls are several that give promise of making good herd headers. They are mostly 2 years old and ready for service. They possess the Scotch type with level backs, good depth and have every in-

**DAIRY CATTLE.**

**HOLSTEINS FOR SALE**—30 head of registered heifers and males, also 73 head of fine bred heifers and young cows, \$58.50 and up. Come and see them. M. F. KNUDSEN, CONCORDIA, KANSAS.

**BANKS' FARM JERSEYS**

Quality with milk and butter records. One of the best sons of CHAMPION FLYING FOX, imported, at head of herd. Stock for sale. W. N. BANKS, Independence, Kan.

**LINSCOTT JERSEYS**

Only registered herd of merit in Kansas. A grand son of Golden Fern's Lad—bred for butter—and 20 cows and heifers for sale at moderate prices. R. J. LINSCOTT, HOLTON, KANSAS

**Holsteins at Auction**

Having sold my farm will dispose of my entire herd of registered and grade Holsteins. Will sell at Public Auction, December 10th, at the Pioneer Holstein Dairy Farm at Speed, Phillips Co., Kan. A carload of females varying from calves to cows not over six years old; also few young registered bulls. Great bargains will be offered. For particulars write P. J. PAULSEN, SPEED, KANSAS.

**DAIRY CATTLE.**

**HOLSTEINS**—CHOICE BULL CALVES H. B. COWLES, TOPEKA, KANSAS.

**Holsteins!**

I will sell the following high grade Holsteins, many of them practically full bloods, and in good condition: 50 yearling heifers and 50 1 1/2-year-old heifers just being bred to a son of a 24 lb. dam; 100 2 to 2 1/2-year-old heifers and 100 2 1/2 to 3-year-old heifers bred to a high class registered bull, to freshen from Dec. 1st, 1912, to March 1st, 1913. 100 matured cows, very heavy producers, springing up ready to freshen soon, most of them in calf from registered bulls. A number of high colored registered bulls, ranging in age from 6 months up, out of heavy producing dams, and selected especially to head choice herds. Can fill any order from one animal up. Have a small surplus of excellent registered cows and heifers I will dispose of. Also have 100 head of high grade Guernsey cows and heifers from yearlings up. Write me regarding your wants. JAMES DORSEY, Gilberts, Illinois

**Holstein Cows and Heifers at Bargain Prices!**

On account of shortage of ensilage crop in N. Y. state I am shipping west 300 head of high-grade Holstein heifers and cows, 2 to 5 years of age. These are arriving in lots of 50 every week and I will make attractive price to men that can handle a carload. All tuberculin tested and bred to registered bulls. Also a few registered bulls ready for service. ROCK BROOK FARM, STA. B, OMAHA, NEB.

**Herd Established Over 25 Years Evergreen Crest Galloways**

Twenty cows and heifers for sale, either registered or high grades. All two years old and over are bred to Flagstaff 29295 and Sally's Othello 33696. Anyone desiring a herd of breeding cows should inspect this offering. Also two yearling bulls for sale. J. & W. R. CLELAND, NEW HAMPTON, MISSOURI.

**Lookabaugh Shorthorns At Private Treaty**



The Kind I Breed and Sell.

**Over 200 Head From Which to Select**

A great variety of prize winners and prize winning blood. Breeding stock of both sexes and all ages. If you want breeding stock don't miss this opportunity. As many good Shorthorns cannot be seen on any other farm in the whole Southwest.

- Cows with Calf at Foot and Re-bred.
- Richly Bred Young Things, Show Prospects.
- Handsome Young Bulls, Herd Header Material.
- Rugged Young Bulls, the Farmer and Stockman Kind.

In fact a splendid array of foundation Shorthorns, that carry the blood of the best families and the most noted sires of the breed. Don't wait, but come and get your first pick. Visitors always welcome at Pleasant Valley Stock Farm. Write your wants today. Address

**H. C. Lookabaugh, Watonga, Okla.**

**OIL - OIL - OIL**

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

XXX 46 gravity water white kerosene	.....\$5.50	for 52 gal. bbl.
XXX 42 gravity kerosene (the kind usually sold)	.....\$4.75	for 52 gal. bbl.
XXX 64 gravity gasoline	.....\$8.75	for 52 gal. bbl.
1 case graphite axle grease (2 doz. 3 pound pails)	.....\$3.50	
40 gravity prime white stove distillate	.....\$4.25	for 52 gal. bbl.
38 gravity stove distillate	.....\$4.00	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 crude oil barrels, \$1.50 each for refined oil barrels, returned to me at refinery in good order, freight prepaid. Send the money with your order.  
C. A. STANNARD, BOX M, EMPORIA, KAN.

**LIVESTOCK AUCTIONEERS.**

**L. R. BRADY** LIVESTOCK AUCTIONEER Manhattan, Kan. Write or wire for dates.

**COL. S. B. YOUNG, Osborne, Kan.** Livestock Auctioneer. Write for dates

**W. C. Curphey, Salina, Kan.** Livestock Auctioneer. Phone for dates

**Wm. H. Harper, LIVESTOCK AUCTIONEER. GLASCO, KANSAS.** Phone for Dates.

**COL. HOMER BOLES, Randolph, Kan.** Livestock and General Auctioneer.

**Col. D.F. Perkins, Concordia, Kan.** Up-to-date methods in the Auction business. Purebred stock sales and big sales generally. Write for dates.

**Chas. E. Reeble, Emporia, Kan.** Pure Bred Live Stock and Real Estate Auctioneer. Speaks German. Write or wire for dates.

**JOHN D. SNYDER HUTCHINSON, KAN. Auctioneer** Pedigreed Live Stock a Specialty.

**J. H. JONES, LIVE STOCK** 600 Kan. Ave., Topeka and farm sales solicited. 16 years experience.

**Lafe Burger** Live Stock and Real Estate Auctioneer Wellington, Kan.

**R. H. DENGATE, Lucas, Kan.** LIVESTOCK AUCTIONEER. DATES CLAIMED ARE PROTECTED.

**N. S. HOYT, Mankato, Kan.** Livestock Auctioneer. Big Horse and other Stock Sales a specialty. Terms reasonable. Special service to breeders.

**T. E. GORDON, WATERVILLE, KANS.** Livestock and Real Estate Auctioneer. WRITE FOR DATES.

**JAS. W. SPARKS** Live Stock Auctioneer MARSHALL, MO.

**Will Myers,** Livestock Auctioneer Beloit, Kansas. Write or phone for dates. I am located right to give good service

**Col. J. R. LOYD, ATHOL, KANSAS.** LIVESTOCK AUCTIONEER. Write for terms and dates and reference.

**Col. N. B. PRICE,** Mankato, Kans. LIVESTOCK AUCTIONEER. Phone or write for dates. Bonney K. heads my Duroc-Jersey herd

**COL. FRANK REGAN,** ESBON, KANSAS. Livestock Auctioneer. Write for open dates.

**G. G. DENNEY GUIDE ROCK,** Nebr. Livestock Auctioneer. Pure bred stock sales and big farm sales. Write or phone.

**G. A. DRYBREAD** Elk City, Kans. Live stock and farm sales made anywhere. Give me a trial. Satisfaction guaranteed.

**FRANK J. ZAUN FINE STOCK AUCTIONEER** INDEPENDENCE, MO. Bell Phone, 675 Ind "GET ZAUN, HE KNOWS HOW!"

**Col. Oscar H. Boatman** Irving, Kansas Livestock Auctioneer Graduate American Auction School Write for Dates



**DAIRY CATTLE.**

**Holstein-Friesian Bulls**

For sale—choice young bulls, sired by Pieterje Hengerveld Nannette, first prize bull 3 state fairs, 1911, from producing cows. Exceptionally fine markings. W. C. Jones, Rural 2, Topeka, Kan.

**HOLSTEINS FOR SALE**

Having bought entire, one of the largest and best producing dairy herds in Shawnee Co., I am now offering them in any numbers, in connection with my heifers. They are all under 8 years, mostly 3 to 6 years old. Heavy milkers and heavy springers. Nearly 100 head to select from. These cattle are all very high grades. Also bulls, all ages. High grade and registered. IRA ROMIG, Sta. B, TOPEKA, KANSAS.

**SHORTHORNS.**  
**SHORTHORN CATTLE**  
 POLAND CHINA SWINE and CLEVELAND BAY HORSES. All stock pedigreed. Prices reasonable. THOS. B. MURPHY & SONS, Corbin, Kas.

**SHORTHORNS**  
 8 bulls from 12 to 18 months. Roans and reds. Scotch Top. Address, L. M. NOFFSINGER, OSBORNE, KAN.

**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. Can ship via C. R. I. & P., A. T. & S. F., U. P., and Mo. Pac. Address  
**C. W. TAYLOR**  
 ABILENE : : KANSAS

**HEREFORDS.**  
**MATHEWS' REGISTERED HEREFORDS**

For sale 8 long yearling bulls; 30 yearling heifers, also cows with calves by side—extra good cattle, strong in Anxlety 4th blood.  
**FRED MATHEWS & SONS, Kinsley, Kan.**

**BLUE GRASS Herefords STOCK FARM**  
 Cows, Heifers and young bulls for sale. 100 head in herd. Breeding matrons by Militant, Lamplighter, Shadland Dean 2nd, Gentry Briton 6th, Hesiod 1st and Wilton Almo 6th. Visitors Welcome.  
**W. T. WRIGHT, Route 8, Mt. Pleasant, Iowa.**

**Klaus Bros.' Herefords!**  
 We offer 16 head of strong, rugged bulls, herd header material, ready for service, sired by Fulfiller 3rd, Fulfiller 25th and Beau Onward. Priced right and worth the money.  
**KLAUS BROS., BENDENA, KANSAS.**

**Modern Herefords**

**ROBT. H. HAZLETT**  
 Hazford Place  
 Eldorado, Kansas

**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 Hero Bulls and Heifers for Sale. Three bulls from 12 to 22 months old, a Mina, a Brawith 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.**

**GALLOWAYS.**

**G. E. CLARK, W. W. DUNHAM.**  
 CAPITAL VIEW GALLOWAYS.  
 12 Miles West of Topeka.  
 Can furnish car of good cows, also bulls ranging in ages from calves to 2-yr.-olds. Can suit your wants. Write  
**CAPITAL VIEW RANCH, Silver Lake, Kan.**

**Fort Larned Herd**

40 REGISTERED BULLS. 20 GALLOWAYS and 3 RED POLLS. 10 to 20 months old. Priced to sell.  
**E. E. FRIZELL, LARNED, KANSAS**

**RED POLLED CATTLE.**

**Foster's Red Polls**  
 Write for prices on breeding stock.  
**C. E. FOSTER, R. R. 4, Eldorado, Kansas.**

**RED POLLED BULLS**

and heifers by Actor 7781 and Launfal 13221. Cows large, plenty quality, represent best milking families. Also large type POLAND CHINAS. Pigs. Write or come.  
**CHAS. MORRISON & SON, Phillipsburg, Kan.**

**ABERDEEN-ANGUS.**

**Angus Bulls For Sale**  
 sired by Rutger Hentherson 3d 118104, Presto 2d 133774 and Professor Kurtz 135693. Ready for service including two choice Blackbirds. Priced right. Satisfaction guaranteed.  
**W. G. DENTON, DENTON, KANSAS.**

**ANGUS CATTLE**

Bulls and females for sale; singly or in carload lots. Address **SUTTON & PORTEOUS** Lawrence, Kan.

**CHAMPION MOLASSES FEED**

**CARRIES THE HIGHEST HONORS**  
 Was fed to the cattle that brought the highest prices this year on the Omaha, St. Joseph, Kansas City, St. Louis and Chicago markets; also carried all blue ribbons and sweepstakes at recent K. C. Royal Stock Show. Equally good for horses, hogs and sheep. Write us.  
**CHAMPION FEED CO., Tarkio, Mo.**

dication of being growthy, vigorous fellows that will do the buyer good. It is doubtful if as many good bulls will be offered in any one sale this season. Buyers needing good bulls or breeding females will do well to attend this sale. Write now for a catalog as their advertisement will not appear again owing to the sale being so close at hand. Mention this paper when writing. Don't forget that Webster is at the junction of the Rock Island and Chicago, Milwaukee & St. Paul railroads, about mid-way between Cedar Rapids and Ottumwa, Iowa, in Keokuk county. The sale is only one mile from town and buyers from a distance will be entertained free of charge.

**Nebraska**  
**G. E. HALL.**

**Big Boned Percherons and Belgians.**  
 Our last importation arrived in September and is as good a lot of stallions and mares as we ever imported, all are sound, big and drafty. Two grand champions, one reserve champion, eight first prizes, seven seconds, two thirds, two fourths, 22 prizes in all. Is what our horses won at the great Nebraska State Fair. If you want a real high class stallion, some strictly high class brood mares or show colts see Wolf Bros.' offering before buying. Prices and terms right. Address Wolf Bros., Importers and breeders, Albion, Boone county, Nebraska, and mention Farmers Mail and Breeze.

**Editorial News Notes.**

The monthly department pages of The Youth's Companion, the Girls' Page, the Boys' Page and the Family Page, have done much to increase the popularity and value of that much respected periodical. In supplying the material for these pages during the coming year, representatives of no less than twenty-two universities and thirteen colleges have given their aid. Teachers in six technical schools, thirteen agricultural colleges, numerous private schools and the public secondary schools of nine cities have given authoritative information in their respective fields. Eleven normal schools are represented in the forthcoming series of articles on teaching. The departments of public instruction of twelve states and eight library commissions have been of help. Six governors or ex-governors have given their counsel on the way in which the pages can be of the greatest service to the people in their respective states.

**Safety Hatch Incubator Catalog Now Ready.**

The One Minute Washer Co., El Reno, Okla., manufacturers of the Safety Hatch Incubators and brooders, inform us that they enjoyed a fine patronage last season. They made shipments to many states. On another page of this issue you will find a description and illustration of the Safety Hatch incubator. They sell only by exclusive agency in each town. The annual catalog is ready. Ask your hardware dealer to show you the Safety Hatch incubator. If he does not have it on sale, send his name and we will forward you a catalog by return mail. Address the One Minute Washer Co., El Reno, Okla. See ad on page 19. When you write for catalog please say you saw the ad in Farmers Mail and Breeze.

**Use Absorbine**

to remove bursal enlargements, bog spavin, thoroughpin, puffs, shoe boils, capped hocks, swollen glands, thickened tissues, rheumatic deposits, enlarged veins, to cure any strain or lameness; to strengthen any part that needs it, because it is healing, pleasant and safe to use. In addition, it is an antiseptic and germicide containing an open sore, wire cut or wound, but it not only makes it aseptically clean, but kills the germs and causes a healthy healing. Write for laboratory reports on Absorbine and Absorbine, Jr. and instructions on any particular case, sent free. Absorbine at dealers \$2.00 a bottle or sent direct, express prepaid. W. F. Young, P. D. F., 209 Temple St., Springfield, Mass. See ad on page 16.

**The "Sal Vet" International Shropshire Challenge Cup.**

This handsome silver trophy will be given by the S. R. Fell Co., Cleveland, Ohio, manufacturers of "Sal Vet" for the best pen of three yearling American bred Shropshire ewes exhibited at the International Livestock Show at Chicago. The cup is 27 inches high with base, appropriately engraved and its winning will be an honor worth striving for. (To insure ownership of this cup, it must be won three times by the same contestant, but not necessarily three consecutive times.) The "Sal Vet" people will also give a similar cup for winners among each of these three breeds, Hampshire, South Down and Oxford. Practically all of the big sheep breeders, as well as breeders of hogs, horses and cattle, are constant users of "Sal Vet". Its merit as a worm eradicator, stock conditioner and tonic are unquestioned. Instances are known where "Sal Vet" has doubled the weight of hogs in a few months without increasing the amount of feed. In the "Sal Vet" advertisement which appears on page 10 of this paper, Mr. Fell agrees to send readers of this paper enough "Sal Vet" to feed all their stock—horses, cattle, sheep and hogs, 60 days at his risk of satisfaction. We suggest that all our readers who are not already using "Sal Vet" turn to the advertisement, clip the coupon and mail it to Mr. Fell for a 60 days' supply. See his ad on page 40.

**The Folding Sawing Machine Saves Time.**

One of the important inventions of recent years to the farmer and lumberman is the Folding Sawing Machine. It is important, not only by reason of one or two desirable features, but also because of the many valuable advantages it possesses over all other hand-sawing outfits. Its strong points of superiority stand out with such special prominence as to commend it to all who have any considerable sawing to do. And the price is so low that every farmer who cuts any timber at all can easily afford to buy one—in fact cannot afford to be without it. This folding machine in reality pays for itself every five to ten days of use, for it actually saves one man's time and costs only \$15.00. Hundreds of letters from all parts of the world speak in the most

**SHEEP.**

**Special Notice to Sheep Men**  
 Send us your address, we will mail you literature on the breeding of Karakule-Arabi sheep for the production of Persian, Astrakhan and Krimmer lambs, wholesale furriers quote our half and quarter blood Karakule. Incoln skins \$8.00 to \$15.00 each. Mut-ton increase in weight and price. Address **KARAKULE-ARABI SHEEP CO.,** Majestic Theatre Bldg., Topeka, Kan.

**MULE FOOT HOGS.**

**Mule Foot Hogs** More premiums won in 1912, than any herd in the U. S. Bred sows, some extra spring farrow boars and pigs in pairs not related. Pedigrees furnished. **ZENE G. HADLEY, R. F. D. 5, WILMINGTON, OHIO.**

**HAMPSHIRE.**

**Pure Bred Hampshires**  
 Inspect our herd or write for prices. Our motto is to please. **ALVIN LONG, Lyons, Kansas.**

**Hampshire Hogs** Have one two-year-old boar and several boar pigs four-months-old for sale.  
**W. E. WOODRUFF, KINSLEY, KANSAS.**

**WRITE J. F. PRICE,**  
 Medora, Kans.  
 For prices on Pedigreed Hampshire Hogs

**REGISTERED HAMPSHIRE HOGS**

of various ages not akin; two registered and one grade Dutch Belt bulls, also 1 spotted Arab stallion.  
**C. W. WEISENBAUM, ALTAMONT, KAN.**

**Try The White Belts**

Special prices on boars. Sale of bred sows and gilts  
**January 23, 1913**  
**T. W. Lavelock, Princeton, Kas.**

**O. I. C. SWINE.**

**40 Choice O. I. C. Pigs** H. W. Haynes, Moriden, Kan.

**EDGEWOOD O. I. C's.** Choice gilts and fall pigs; also tried sows.  
**HENRY MURR, TONGANOXIE, KANSAS.**

**O. I. C.** 40 pigs, some good fall boars and tried sows for sale. Express prepaid. Everything registered free.  
**F. C. GOOKIN, RUSSELL, KANSAS.**

**O. I. C.** Yearling and tried sows and boar. Also fall pigs at special prices.  
**R. W. GAGE, Garnett, Kansas**

**KENT'S IOWA HERD**  
 100—Good lengthy, heavy-bone spring boars—50 fall and yearlings; also large number of sows from my great State Fair prize winning herd. It will pay you to write me today for prices and the way I will ship these pigs before paying for them.  
**THOS. F. KENT, Walnut, Iowa, R. F. D. No. 2.**

**STAR HERD O. I. C's.**  
 Breeding stock of various ages, either sex. Best breeding r. sired in this herd. Write your wants.  
**ANDREW KOSAR, GLASCO, KANSAS.**

**O. I. C. 125 HEAD HOGS** Bred Sows and Service Boars  
**W. H. Lynch, Reading, Kansas.**

**Neef's Cholera Proof O. I. C's.**  
 Boars of all ages from 8 weeks to yearlings. Also prize sows bred and gilts bred or open. Can furnish pairs or trios, no kin. Herd headed by O. K. Perfection, by O. K. Winner, and Neef's Oak, by White Oak. All stock priced worth the money. Riverside Farms.  
**JOHN H. NEEF, Prop. Boonville, Mo.**

**BERKSHIRES.**

**BERKSHIRES, SHORT-HORNS and JERSEYS**

FOR SALE—25 boars by Robinhood Premier 2nd or Rival's Lord Premier, and out of sows representing such sires as Imported Bacon Compton, Berriton Duke and Premier Longfellow.  
 Also a choice Shorthorn bull calf by Silk Goods and out of a show cow.

**W. J. CRIST, :: OZAWKIE, KANSAS**

**Sutton Farm Berkshires**

**100 HEAD AT PRIVATE SALE** including serviceable boars, open or bred sows and gilts at farmers' prices. Address  
**Sutton Farms**  
 Lawrence, Kan.



Berryton Duke Jr.

**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 Court, 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).  
**E. D. KING, BURLINGTON, KANSAS.**

**BERKSHIRES.**

**Hazlewood's Berkshires!**  
 Choice spring boars and gilts priced to sell. Write today. **W. O. Hazlewood, R. 8, Wichita, Kansas**

**WAITE'S BERKSHIRES.**  
 Choice young Boars and Gilts, also tried sows. Most famous Robins Hood Blood. We guarantee satisfaction. Call or write **LEON A. WAITE, WINFIELD, KAN.**

**GOOD SOWS BRED**

to champions and grand champions. I also have some splendid fall pigs that I will sell single or in pairs no kin.  
**C. G. NASH, Eskridge, Kan.**

**DUROC-JERSEYS.**

**DUROC-JERSEY BOARS AT \$25.**  
 I am making special prices now on spring boars sired by my state fair winners. Also a choice line of gilts bred to my prize winning herd boars.  
**CHAS. L. TAYLOR, OLEAN, MISSOURI.**

**FALL AND SPRING BOARS.**  
 Some tried sows and spring gilts bred for spring farrow to our young herd boar, Col. Buddy, by the famous B. & C's Col. Priced to sell. Spring boars ready for service \$16.00 to \$20.00. Fall boar by B. & C's Col. \$25.00  
**JUDAH BROS., HIATTVILLE, KANSAS.**

**BEAVER VALLEY HERD DUROCS.**  
 Boars and gilts sired by Grand Master Col. II 94908 (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.**

**Pleasant View Durocs.** Choice March and April boars. Write for prices.  
**T. P. TEAGARDEN, WAYNE, KAN.**

**DORR'S DUROCS.** 75 head of big bred gilts, boars ready for service and suture pigs at farmers' prices.  
**CHAS. DORR, OSAGE CITY, KANSAS.**

**A Fine Offering Bred Sows and Gilts**  
 Also open gilts and summer pigs. Best of breeding.  
**E. C. WATSON, ALTOONA, KANSAS.**

**Prince Wonder 2nd.** No boar sale but best for private sales.  
 Gilts reserved for February 7 bred sow sale.  
**A. T. CROSS, GUIDE ROCK, NEBRASKA**

**LITTLE OAK DUROCS** Early spring boars served for February 22 bred sow sale.  
**Geo. P. PHILIPPI, Lebanon, Kan.**

**BONNEY K-Kansas Special**  
 Spring boars for sale but all best gilts reserved for February bred sow sale.  
**W. E. MONASMITT, FORMOSO, KANSAS.**

**Crimson Wonder Breeding** Top boars spg. pigs. Write for prices. A square deal.  
**DAVID BOESIGER, COURTLAND, NEBR.**

**FISHER'S DUROCS**  
 'A chance of a life time.' My entire spring crop sired by Old Graduate Col. and Crimson Prince at \$15 to \$25 each. Closing out. Don't delay. Write today.  
**H. E. FISHER, Danville, Harper Co., Kan.**

**Deep Creek Herd Durocs**  
 Extra choice early fall pigs now ready to ship from dams sired by State Fair Champion boars. Satisfaction guaranteed.  
**C. O. ANDERSON, MANHATTAN, KANSAS**

**FALL YEARLING BOARS** A few very choice ones; and fall and summer pigs at bargain. Bred sow sale February 8th. **P. C. GARRETT & SON, Bloomington, Nebraska.**

**BIG TYPE DUROCS** Representing the best blood lines. Over 50 sows in herd. Big crop of choice spring pigs. Stock of all ages for sale. Winter sale Feb. 5. **Moser & Fitzwater, Goff, Kansas.**

**Clover Dale Durocs**  
 Choice lot of sows bred to King of Cols. 3d. Boars ready for service and fancy bunch of fall pigs. Stock all in fine, healthy condition. **L. T. SPELMAN, PAOLA, KANSAS.**

**HIGGINS' DUROCS**  
 Herd headed by Cherry Col., by Tippy Col.; Good E Huff Model 2d, by Good Enuff Model; Crimson Wonder King, by C. Wonder Again. Bred sow sale, January 24th, 1913.  
**JOHN T. HIGGINS, ABILENE, KANSAS.**

**Dreamland Colonel**

35 Sept. yearlings and tried sows for big bred sow sale in February. Nothing better. Also choice boars. **LEON CARTER, Asherville, Kan.**

**Bonnie View Farm**  
 Duroc-Jerseys: Boars and gilts. Plymouth Rocks: 100 cockerels.  
**Searle & Cottle, Berryton, Kas.**

**Star Breeding Farm**  
**Herefords and Durocs**  
 Bulls, 15 to 30 months, single or carlots; also, females any age. Durocs headed by the champion B. & C's Col. Both sexes for sale.  
**SAM'L DRYBREAD, ELK CITY, 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 Court, 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).  
**E. D. KING, BURLINGTON, KANSAS.**

**DUROC-JERSEYS.**

**DORR'S DUROCS** 20 boars, 30 gilts and 25 fall pigs sired by a Crimson Wonder boar, good color and bone. Price low. A. G. DORR, Osage City, Kan.

**HUSTON'S DUROCS** 20 boars by Golden Model 8rd 117887, the type that will make money on any farm and improve any herd. Satisfaction guaranteed. W. R. HUSTON, Americus, Kan.

**BIG TYPE DUROC-JERSEYS** Spring males at \$25; summer pigs \$10; trios \$25; fall boars, good ones at \$30 to \$40; yearling sows, open or bred. Every hog shipped on approval. Satisfied customers in 22 states. Red Polled cattle, cheap. GEO. W. SCHWAB, CLAY CENTER, NEB.

**FALL BOARS BY DREXEL'S PRIDE** the sire of my show hogs. Spring pigs by him and Queen's Wonder 112317, a sensational Crimson Wonder Again yearling. All choice and priced right. W. T. HUTCHISON, CLEVELAND, MO.

**Quivera Place DUROCS** Spring boars for sale by Quivera and M. & M's. Col. Gilts reserved for Jan. 8 bred sow sale. MUNSSELL & ISENBERG, Herington, Kan.

**ROYAL SCION FARM DUROCS** Fashionably Bred Durocs, spring boars and bred gilts, by the great Graduate Col. Also sows and gilts bred to him. G. C. Norman, Prop., Winfield, Kan.

**DUROCS** of quality and size. Spring boars and gilts of B. & C.'s Col., Tatarax and Nebr Wonder breeding at farmer's prices. John A. Reed, Lyons, Kansas.

**College Hill DUROCS** March and April boars and gilts from state fair winners. Choice boars by G. M's. Col., and Carl's Critic. Farm joins Agricultural College. W. W. BALES & SON, Manhattan, Kansas

**Howe's Duroc-Jerseys** SPRING BOARS, herd headers or the farmers kind, also choice spring gilts. Best of blood lines. Good individuals. Priced to sell. Write for particulars. J. U. HOWE, R. 3, Wichita, Ks.

**Perfection Stock Farm** Nov. boars and gilts, also 80 choice spring pigs, by State Fair grand and reserve champions. Pairs and trios not related. Ship on approval. Prices right. Write your wants. Geo. M. Clason, Union City, Okla.

**Good E Nuff Again King 35203** The great Duroc boar of the West heads our herd. 25 gilts and 20 boars sired by him. 8 tried sows and 12 fancy gilts bred to him for sale. Herd boars and show prospects a specialty. Prices right. W. W. OTEY & SONS, WINFIELD, KAN. "The Men with the Guarantee."

**BANGROFT'S DUROCS** We hold no public sales. Nothing but the best offered as breeding stock. Yearling and spring boars. Sows and gilts open or bred to order for spring litters. 135 fall 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, KANSAS.

**POLAND CHINAS.**

**NEBRASKA'S POLAND CHINAS.** Spring boars for sale but best gilts reserved for February 15 sale. L. E. HOLMES, BLOOMINGTON, NEB.

**POLAND CHINAS** Select young boars. Gilts, bred or open. Prices right. Call or address H. L. BROOKS, LARNED, KANSAS

**QUALITY and SIZE** Big, Smooth Poland China Boars and Gilts. Spring farrow. Write for prices. LAMBERT BROTHERS, SMITH CENTER, KANSAS.

**NEBRASKA TYPE** March and April boars by Nebraska Chief and Pan Wonder. Tops of this season offering. C. C. INGRAM, Bloomington, Nebr.

**Polands—Barred Rocks** Summer and fall pigs by Referendum and J. C. Metal and out of choice sows. Priced to sell. Also 50 Barred Rock Cockerels. A. N. Waechter & Son, Riverton, Neb.

**Big Type Poland Chinas** With unusual size and show yard quality. The kind you saw us win with at Topeka and Hutchinson. Don't you want some of them? R. B. BAIRD, CENTRAL CITY, NEBR.

**Schneider's Poland Chinas** Can furnish choice summer and fall pigs, pairs or trios, not akin, by Guy's Expansion and Goldust Hadley. Also 10 head of yearling sows bred to these boars. JOE SCHNEIDER, Nortonville, Kansas.

**POLAND CHINAS—SHORTHORNS** 20 spring boars and a few gilts for sale. Simultaneous treatment last spring. Also young bulls. Write for description and price. S. B. AMCOATS, CLAY CENTER, KANSAS

**TATARRAX HERD DUROCS** Spring and fall boars by the Grand Champion Tatarax and out of our best herd sows. Some by G. M.'s Tat Col., others by Hogate's Notcher by Hogate's Model. The best of breeding stock always for sale at reasonable prices. Visitors always welcome. Farm adjoining town. HAMMOND & BUSKIRK, NEWTON, KANSAS.

enthusiastic terms of this machine. One man or a boy can saw the largest logs. Standing trees can be sawed within seven inches of the ground. It is made also adjusted for the comfort of the operator. It is so designed, and can be so adjusted, that no matter what the position of the log, lying flat, or on a hillside, the operator maintains an erect position. The machine is strong and light, built of white ash and maple. It is not an experiment, but has been in use many years. It is made by the Folding Sawing Machine Company, 161 W. Harrison St., Chicago. Write the company, asking for catalog A 41. See ad on page 20.

**Government Horses Coming.**

The War Department at Washington has recently issued an order instructing the Mounted Service School at Fort Riley, Kansas, to send a detail of officers and horses to the National Western Stock Show which opens in Denver on January 20th. The object of this is to demonstrate to the horse breeders of the country the class of horse suitable for army service. The horses that will be sent from Fort Riley are the best type of horse owned by the Government. They are mostly thoroughbreds, with some saddle-horse blood and some Standardbred. The Mounted Service School at Fort Riley is maintained by the Government for the purpose of educating the cavalry officers in equestrianism. Officers are detailed from the different regiments every year to attend this school and they are given nine months' steady training in the Riding School. The horses maintained at this school include those that have been sent abroad to enter the International contests in France and England, and also at the New York show. About a dozen of them will be sent to Denver for the January show, and western horsemen will have an opportunity to see some real jumping, as all of these horses are trained jumpers. They will be ridden at the show by officers especially trained for this work, and they will be one of the interesting features of the big show. The government has in late years been experiencing more or less difficulty in finding remounts both for the cavalry and for the officers, and the War Department is taking this method to encourage interest in the breeding of the class of horse needed for military service.

**What to Give Father or Brother for Christmas.**

Give him useful presents. The more use he will have for them the better he will like them. "But," says the good wife, "he has a good coat, cap, mittens, neckties and handkerchiefs. What can I give him that he will appreciate?" Just before Christmas your ears are wide open to catch any suggestion or hint as to what he wants. But men don't generally say. They like to be surprised. The time to hear what men want is during the harvest season. Then he mentions a great many things he wants. Recall ever having heard father say with much vehemence, "I'd give a dollar for a good screw driver," when the barn door blew loose? Remember how brother wished he had a brace and bit to fix that broken wagon tongue? A piece of wood bolted above and below the break would have fixed it. He couldn't get that load of grain under cover and before morning it was soaked with rain. Just go back. Think of the times when father and brother were rushed to death trying to get the crops in before they got wet or touched by frost. Then it seemed that everything broke simply because they didn't have the tools to make repairs. There is nothing on earth that they need more than a set of good tools. And you can get good tools at such reasonable prices. If you wish, put in a little more money and give a more complete set to father and brother together. They will both use them anyway. Don't make the mistake of buying cheap, nicely painted tools. It is not paint and shine you want. See your dealer about a "Keen Kutter" cabinet next time you go to town. If he has none in stock, ask him to send for one, or write the Simmons Hardware Co., of St. Louis, Mo.

**About Cream Separators.**

It is safe to say that never before in the entire history of the cream separator business, has an offer been made which shows such confidence on the part of the manufacturer toward his customers, as is shown in the offer now being made by the King Separator Works of Buffalo, N. Y. This firm certainly has an abiding faith, and one which, by the way, we are sure is in no way misplaced, in the honesty and trustworthiness of the farmers throughout the country, for they agree to ship to any farmer or dairyman one of their latest models of King Separators for a 10 weeks' free trial without a penny being sent in advance or a deposit of any kind made. It is their purpose to convince every prospective buyer of a cream separator, by actual demonstrations in his own home, that the King Separator is the most efficient, the simplest and the cleanest cream separator on the market. The broad and sweeping claim which this firm makes for the King Separator is that it skims either warm or cold milk more thoroughly, easier and quicker than any other separator made, and it has never been excelled in a milk skimming contest. It is of strong, substantial construction. (Continued on Page 38.)

**Farmers Mail and Breeze Pays Advertisers.**

Farmers Mail and Breeze, Topeka, Kan. I have sold the B. & C.'s Col. boar, so please change my ad. Yours very truly, R. C. WATSON, Breeder of Duroc-Jerseys. Altoona, Kan., November 25, 1912.

Farmers Mail and Breeze, Topeka, Kan. I beg to state that I have sold at least ten farms of various sizes, this at a cost of probably \$50 for the advertising. WALTER A. EVANS, Real Estate Dealer. Kiowa, Okla., August 21, 1912.

Every week for years Farmers Mail and Breeze has printed voluntary letters from its advertisers and different letters are printed every week.

**POLAND CHINAS.**

**LARGE WITH PLENTY OF QUALITY.** Handsome young boars, gilts bred or open. Best of large type blood lines. Some boars, herd headers. Satisfaction guaranteed on all breeding stock. OLIVER & SONS, DANVILLE, KANSAS.

**ALFALFA TEA FED POLAND CHINAS.** Best large type blood lines; bred sows and gilts, the kind both farmer and breeder should raise. If you want to know more about them and how they are raised on alfalfa tea, address. H. W. HOAK, ATTICA, KANSAS.

**SPRING BOARS and GILTS.** Strictly big type. Write for prices and descriptions. Howard R. Ames, Maple Hill, Ka.

**Klein's Tabor Valley Herd** Is offering a few choice spring boars at right prices. Also a fine lot of fall pigs not related. Headquarters for Rhode Island Red Cockerels. L. E. KLEIN, ZEANDALE, KANSAS.

**Albright's Boar Offering** Five big, smooth Sept. yearling boars, sired by A. L.'s Hadley. 15 spring boars sired by Cavett's Mastiff. Big, well grown fellows. Smooth as you ever saw. A. L. ALBRIGHT, WATERVILLE, KAN.

**Say! Mr. Farmer and Mr. Breeder**

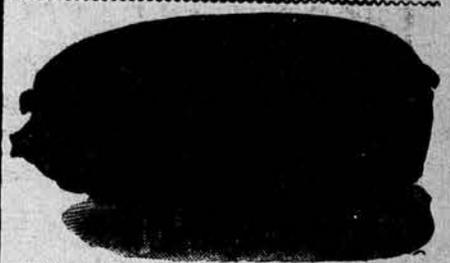
I have a fine crop of fall pigs all sired by my great young Poland China boar **Advance 60548** for which I have recently refused \$500 cash. I have decided to sell all of them, both boars and gilts for \$15.00 each. Dirt cheap. First come first served. Come and take your choice, or send a friend to choose for you. If you can do neither then send check and let me choose for you.

**Paul E. Haworth** Lawrence, Kansas

**POLAND CHINAS!**

Bred sows at private sale. Also fall and spring boars. Sows bred to Tom Lipton, Welcomes, Iron Clad 2d and others. Priced right. Ask for prices and descriptions. JOSEPH M. BAUER, ELMO, KANSAS.

**POLAND CHINAS.**



Defender 54201, the big easy feeder. A few males by him or gilts bred to him. The Expansion herd of Poland Chinas. Write wants to PHIL DAWSON, Prop., ENDICOTT, NEB.

**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 Grister's Longfellow 3d. Everything guaranteed and sold worth the money. Address CLARENCE DEAN, WESTON, MISSOURI

**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

**Big Boned Bred Sows**

March and February gilts sired by Gold Mine, bred to Pan Look and Wide Awake; also, tried sows bred to Gold Mine. Dietrich & Spaulding, Richmond, Kansas.

**Becker's Poland Chinas**

Good spring boars. Fall yearling gilts, bred for early spring litters. Some nice spring gilts bred or open. Special prices on summer and fall pigs, either sex. J. H. BECKER, NEWTON, KANSAS

**HARTMAN'S BIG-TYPE POLANDS**

Spring boars and gilts. Gilts bred or open. No fall sale. Three fall boars. Everything guaranteed. J. J. HARTMAN, ELMO, KANSAS.

**ETTERVILLE BREEDING FARM**

Devoted to the raising of the old original Big Boned Spotted Poland Chinas. Spring pigs from five of the largest spotted boars on earth. Pairs or trios not akin. Hogs shipped anywhere on earth. They will please and are priced right. EDGAR DOOLEY, Owner, ETTERVILLE, MO.

**Duroc Hogs and Jersey Cattle Sale!**

At farm 4 1-2 miles west of corner Main and Douglas  
Wichita, Kan., Thursday, Dec. 12

**40 HOGS**

- 9 tried sows.
- 20 choice spring gilts.
- 11 spring boars.
- 1 yearling boar.

**9 Cattle**

- 9 head of Jersey cattle, all purebred but non-registered.
- 8 milch cows, due to calve this winter.
- 1 good yearling bull.

**My Entire Lot of Herd Sows Sell**

These tried sows are extra large and prolific. One is a daughter of Old Tip Top Notcher; another by Royal Improver; one a granddaughter of W. L. A.'s Choice Goods and the others are all by Perfect Improver, Grand Champion at Wichita Fair, 1909 and 1910. They are now safe in pig to the splendid breeding boar, Gold Standard, by Gold Cloud, who was an Illinois State Fair Champion. Gold Standard will also be sold.

These choice spring boars and gilts are the tops of last spring's litters. A number are good enough to fit for next season's shows; about half the gilts will be bred to a Col. bred boar, the others will sell open as attractions to breeders with high-class herd boars. Col. Me, a yearling herd boar, will also be sold. My hogs are all immune to cholera.

In this sale is to be found hogs for both breeder and farmer. My farmer neighbors are cordially invited. You will find bargains in this sale. Those wishing Dairy Cattle should see this offering of non-registered Jerseys sale day. For Catalog address

**J. U. HOWE, R. 3, Wichita, Kan.**

AUCTIONEER—John D. Snyder. FIELDMAN—A. B. Hunter.

# BIG BARGAINS IN REAL ESTATE

Dealers whose ads appear in this paper are thoroughly reliable and bargains worthy of consideration.

**WRITE J. M. McCown, Emporia, Kansas, special bargain list, farms and ranches.**

**SNAP, well imp. 1/4, ideal location, 3 ml. McPherson, no trades. Write A. W. Bremyer, McPherson, Kan.**

**FOR a square deal in best farm bargains in best part of Kansas, write to H. M. BURTISS & CO., Humboldt, Kansas.**

**BARGAIN. Improved 80 a., mile out, \$3,600. Send for land list. F. C. LIBBY, Blue Mound, Kan. J. L. Wilson, Salesman.**

**AGENTS WANTED, to sell Neosho Valley corn and alfalfa lands. \$40.00 to \$60.00 per a. G. W. Clark Land Co., Chetopa, Kan.**

**\$9,000 BUYS this fine level, well improved, close in quarter. Fruit, shade, water, natural gas, good soil. F. D. Culver, Humboldt, Kan.**

**FOR SALE. Good Kaw bottom farms 17 ml. Topeka. Good churches and schools. On U. P. R. R. Jas. McLean, Rossville, Ka.**

**320 A. smooth mixed land, 100 in cult., not far from the new Santa Fe R. R., \$10 per a. Other bargains. Moore & Falls, Liberal, Kan.**

**400 A. wheat land, Garden City, 160 in wheat, 120 for spring crop, impr. Fine water. Price \$20 a. Snap. E. J. Votaw, Wichita, Kan.**

**LOOK HERE! 80 acres good land nicely improved, 5 miles town, gas well, \$50 per a. Easy terms. Other bargains. Kraushaar & Belding, Pleasanton, Kansas.**

**COMANCHE CO. 320 a., 160 in wheat, 160 in grass, \$40 a., 480 a., \$80 in cult., 220 wheat, \$45 a. 2 ml. good town. Owner, Marshall Barlow, Coldwater, Kan.**

**MARSHALL CO. bargain. 235 a. river bottom. 200 cult. 35 alfalfa. 25 wheat. House 7 r. 2 ml. city. \$23,500. Terms \$4,500. E. F. DEWEY, Blue Rapids, Kansas.**

**GENUINE land bargain: 1,760 acres east Finney Co., \$12.50 acre, fine land, get particulars. 10 quarters \$5.50, big profits here. Haines Realty Co., Hutchinson, Kansas.**

**BEST BARGAINS in Jefferson Co. 111 a. at \$40; 240 a., \$45; 120 a., \$50; 160 a., \$65. All tillable, well imp. Easy terms. Also ex. made. P. O. Box 203, Valley Falls, Kan.**

**CENTRAL southern Kan. alfalfa lands. 320 a. valley land, 200 suitable for alfalfa, \$8,000. 160 a. valley land in cult., \$4,800. Write for free list. P. H. Thornton, Coldwater, Kan.**

**MUST SELL. SACRIFICE. 160 Summer county, highly improved, close to town; 40 acres alfalfa, 60 pasture, excellent farm. Information, Lock Box 285, Wellington, Kan.**

**BARGAIN in ranch lands. 30,000 a. fine grass, abundant water, considerable farm land, \$12.50 a., 1/4 cash, bal. 10 yrs. Can divide. No trades. Taylor & Bratcher, Coldwater, Kan.**

**WRITE for big printed list of corn and alf. farms in rain belt of Kansas. Biggest list choice farms in state. Kenyon & Holtzman, Concordia, Kan. (Pioneer Kan. farmers.)**

**160 ACRES, 5 miles Princeton, Franklin Co., Kan., well imp.; 60 acres cultivation; well located; lies nice; come and see this; must sell; price \$50. M. A. Keen, Ottawa, Kan.**

**240 a. Reno Co., all smooth, new 7 r. house, large barn, machine house, garage, granary, 135 a. in wheat, 200 alf. land. 1 ml. school; \$13,000. R. F. McDermid, Hutchinson, Kan.**

**FOR SALE. Genuine bargain. 320 acres bluestem meadow and pasture. Four-fifths mow or cultivatable, abundance creek water, best of bluestem grass, fine location Bourbon Co., Kan. Chenault Bros., Fort Scott, Kan.**

**6% FIRST farm mortgages—the safest investment. Security, 3 times amount of mtg. Int. collected and remitted free. Large or small amounts. Write for information and loan list. Graves Farm Loan Inv. Co., Pittsburg, Ks.**

**SEVERAL fine relinquishments near the Santa Fe's new division point in south Morton Co., Kansas, and within the flowing artesian belt for \$2 to \$5 per acre. Trains there March 1st. Have other good clear lands. Come at ONCE. F. M. NASON, Liberal, Kansas.**

**120 A. SMOOTH LAND, 2 1/2 ml. of Parker, 4 room house. Good outbuildings. Plenty of water. Price \$5,500. 80 acres smooth land 3 1/2 ml. R. R. 5 room house, price \$35 per a. 120 acres 3 ml. Parker, smooth land, house 4 rooms, outbuildings, good water. Price \$4,800. W. C. OLDFIELD, Parker, Kansas.**

**WHY NOT HARKER COUNTY? Healthful climate, fine open winters, agreeable summers, best water, the very best class of people, and all that makes a good home. First class land, at prices that investigation shows better than any other part of Kansas. Write us what you want and can handle. J. E. COUCH LAND CO., Anthony, Kansas.**

**320 ACRES Osage Co., Kan., highly improved, 4 miles from Quenemo. A fine stock and grain farm, price \$9,000. Terms. 315 acres, 2 miles from Quenemo, 320 acres in cultivation, all bottom land, produced \$3,000 in corn and wheat this year. Price \$13,000, liberal terms. THE EASTERN KANSAS LAND CO., Quenemo, Kan.**

**EMPORIA, KANSAS. Write for list of farm bargains. They are real. Best farms for the money with best school privileges. FRED J. WEGLEY, Emporia, Kan.**

**80 ACRE home farm, 3 1/2 miles from town, half in cultivation, pasture, alfalfa, good water, four room house, barn, orchard. Price \$3,600.00. No trades. Write for free list. V. E. NIQUETTE, Salina, 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 Kansas. Farms, prices and terms are right. Write for it today. MILLER & SON, Petrolia, Kan.**

**LINN CO. EASTERN KAN. Well improved farms, level, fine soil, corn, alfalfa, tame grass belt. Close to school house, church and towns. \$25 to \$75. Write quick for state map, literature, and bargain list. WAIT & DEAN, Blue Mound, Kan.**

**80 ACRES located 2 1/2 miles of railroad, 7 room house, barn 30x40, 2 never failing wells, 60 acres cultivation, 10 acres wild hay, 10 a. bluegrass pasture, orchard. Price \$57.50 per acre. Terms to suit. MANSFIELD, Ottawa, Kansas.**

**672 ACRE farm. 3 sets improvements, near Arkansas City, Kan. 65 in alfalfa. Best of terms. Ask about this good farm. 80, 160, 240, 320, 408, 620, all above farms are good prices from \$30 up to \$56 per a. WM. GODBY, Arkansas City, Kan.**

**DO YOU want this 160 a., 90 cultivation, 30 meadow, balance pasture? Well improved, windmill, tanks, beautiful shade, fine location, fine country, close to school and church, at \$45.00 per a. Ask about it. F. D. GREENE, Longton, Kan.**

**240 ACRES located 4 miles of railroad, 100 acres wild grass and bluegrass pasture, 25 acres hay meadow, 100 acres corn land, orchard, 7 room house, barn, 2 wells, price \$65 per acre. Owner will trade for a lively stock or residence property. MANSFIELD, Ottawa, Kansas.**

**FOR SALE. Lyon Co., Kan., 200 a. Creek bottom farm. Highly improved. \$80. Write for bargain lists free. J. E. ROMER, Emporia, Kan.**

**COFFEY COUNTY, EASTERN KANSAS. Good homes and investments. Corn, tame grass and ranch lands, \$30 to \$60 per a. List free. LANE & KENT, Burlington, Kan.**

**LINN COUNTY. Fine improved farms; natural gas, coal, wood and good water; Adapted to wheat, oats, corn, flax, timothy, clover, bluegrass. Folder free. A. E. ROOT, Pleasanton, Kan.**

**LOOK AT THIS SNAP. 160 acres 2 1/2 miles from town. Well imp. All nice smooth level land. Price \$7,000. Terms. Gile & Bonsall, South Haven, Kan.**

**LOOK BEFORE YOU LEAP. Come to northeast Kansas, (Marshall and Washington Co.) 75 farms for sale. New list ready and free showing land \$11 to \$125 per acre. Pralle Bros. Realty Co., Bremen, Kan.**

**COMANCHE COUNTY BARGAIN. 480 a. improved, 9 miles from Coldwater. 173 a. fine growing wheat, all goes, for quick sale, price \$27.00 per a. Terms if desired. C. A. HEATON, Larned, Kansas.**

**EASTERN KANSAS FARM BARGAIN. 120 a. 3 1/2 ml. town, 100 a. cult., 2 a. orchard, bal. meadow, fair bldgs., windmill and tank; R. F. D. and phone. Price \$45 a. J. C. RAPP & CO., Osage City, Kan.**

**DO YOU WANT A FARM NEAR THE EMPORIA NORMAL? 80 acres rich alfalfa bottom land. 4 1/2 miles from Emporia, 1/4 mile from depot. 6 trains daily. Moderate improvements, fine well. L. B. BREEZE, Elmdale, Kansas.**

**ALFALFA AND WHEAT LANDS at \$20 up. Grass lands \$10 up. Crops are good; prices are rapidly advancing—NOW'S the time to buy. List free. A few exchanges considered—they must be a gift edge. WILLIAMS & PICKENS, Meade, Kan.**

**ALFALFA LAND AT \$40.00. 240 a. Ninescah river bottom, Kingman county, 2 miles of good small town with two R. R. 150 acres in cultivation, 90 acres pasture land, 40 acres alfalfa, fenced with ture land. A No. 1 seven room house, large barn and other outbuildings, good orchard. Owner has fed several thousands head of sheep on this farm for the last 20 years. Is in high state of cultivation. He has fallen heir to a large estate in Boston and must go to that city. Terms on half. THE LEACH REALTY CO., 401 E. Douglas, Wichita, Kansas.**

**FOR SALE. 320 acres level wheat land \$9.00 per acre. Carry 1/2 on land. Also many other good bargains in corn, wheat and alfalfa lands. L. E. PENDLETON, Dodge City, Kan.**

**TWO ADJOINING FARMS. 160 a. and 100 a. well imp., 5 ml. from Co. seat and 9 ml. from the best town in S. E. Kansas. A fine layout for two brothers or father and son. A bargain. Write today for description and photos. IOLA LAND COMPANY, Iola, Kan.**

**LINN AND BOURBON CO. FARMS. Biggest bargains in Kan. Corn, wheat, timothy clover, bluegrass land \$15-\$80. Coal, wood, gas, abundance good water. Fruit, everything that goes to make life pleasant. Large illus. folder free. EBY-CADY REALTY CO., Pleasanton and Ft. Scott, Kan.**

**THE GRASS THAT FATENS. I have a fine list of small ranches, from 320 to 1,600 acres in the great livestock county of Butler, Kansas; famous for its wealth in alfalfa, Kafir corn and native grass limestone pastures. V. A. OSBURN, Eldorado, Kansas.**

**THINK OF IT. We will sell you 160 or 320 acres of the best unimproved corn and wheat land in Wallace county, Kansas, for \$10 an acre. \$1 an acre down, balance in nine equal payments 8 per cent. THE WARD-SCOTT INVESTMENT CO., Sharon Springs, Kansas.**

**MUST SELL AT ONCE. 143 a. alfalfa farm, adjoining this town, fine, level, deep soil. 60 acres alfalfa a fine stand, 5 room house, barn 28x32. Cash down \$2,000, balance 10 years at 6%. This farm can not be beat and is priced to sell before Dec. 15th. I. R. KREHBIEL, Geneseo, Kansas.**

**CATHOLIC FARMERS. I have the exclusive agency of a few well improved farms for sale at the owners' prices, running from 80 to 350 acres at from \$35 to \$70 per acre, within 1 1/2 to 5 miles of a German Catholic church in Anderson Co., Kan. No trades; easy terms. Fine schools. Other free lists. Address W. L. MORRIS, Owners Agency, Garnett, Kansas.**

**210 A. ALFALFA land 6 mi. from Emporia. Two sets improvements, \$75 per acre. Write for list of farms and ranches. T. B. GODSEY, EMPORIA, KANSAS.**

**Business Block Bargain. One story cement block building and lot. Well located in one of the best Kansas towns. Sacrifice sale at \$4,000. For particulars write L. D. ARNOLD, Manhattan, Kan.**

**Retired Farmer: College Town Suburb Farmlet. For direct sale, no middleman. 42 acres all platted. 9 room house on corner only 3 blocks from Bethany College. Raised \$45 worth of alfalfa per acre this year. Only reason for sale: Owner must quit work. Great investment. Write S. P. PETERSON, Lindsborg, Kansas.**

**400 ACRES FOR SALE. Two sets of improvements in fair condition; plenty shade trees, 2 good wells, windmills and concrete water tanks; also creek water at each place. 240 a. of bottom alfalfa land and 160 a. of upland (black soil). 200 a. in wheat, 30 a. alfalfa, 60 a. pasture, bal. corn land, all tillable. 2 ml. town. Phone. Level roads. Will sell part or all. Terms on part. Price \$80 per acre. T. F. JOHNSTON, Garfield, Kan.**

**For Sale at Public Auction. MORE THAN 1,000 ACRES OF JACKSON AND POTTAWATOMIE COUNTY LAND WILL BE SOLD IN TRACTS OF FROM 40 TO 160 ACRES DECEMBER 16, 1912, AT ONE O'CLOCK AT THE EAST FRONT DOOR OF THE COURT HOUSE IN HOLTON. THIS LAND WILL POSITIVELY BE SOLD TO THE HIGHEST BIDDER FOR CASH IN HAND. A GOOD TITLE TO ALL LAND SOLD. For particulars write or telephone E. D. WOODBURN, Holton, Kansas.**

**These Are All Bargains. 80-acre farm, 3 1/2 miles from good railroad town; 55 acres in cultivation, 25 in meadow and pasture; never failing water; 4-room house; barn for 6 horses; 1 mile school; belongs to an estate; must be sold; price \$4,000. 110 acres valley land; about all in cultivation; high and fine, fair improvements; lasting water; 3 1/2 miles good railroad town. This is a bargain price, \$5,500; mortgage \$2,500, balance cash. 160 acres, 3 miles good railroad town; 70 in cultivation; 90 in meadow and pasture; lasting water; 6 room house in good repair; good barn and other outbuildings. A bargain; price \$3,000; part on time. 60 acres, 2 1/2 miles good railroad town; 35 acres in cultivation; 25 in meadow, pasture and timber; never failing water; 3-room house; good barn, outbuildings; price \$2,700; mortgage \$1,300. 80 acres fine, smooth valley land; 70 acres cultivated; 10 wild grass; no buildings; on main road; 5 miles to good town of 4,000; 4 1/2 miles to another good town; this has to be sold; the price is \$40 per acre; you will never beat this at \$75 per acre. The above farms rich soil, and will produce as much as land 10 to 30 miles from Kansas City priced at \$100 to \$200 per acre. We are 62 miles from the city. BAKER REALTY CO., Lane, Kan.**

**ARKANSAS. GOOD corn and rice land. Cheap. Easy terms. See W. P. Cook, Brinkley, Ark. GOOD fruit and farm land, cheap; terms. S. L. Consalus, Mammoth Springs, Ark. GET our booklet "Arkansas Farm Lands." Holman Real Estate Co., Little Rock, Ark. 80 ACRES partly improved \$600. Other lands. F. E. Jones, Mammoth Springs, Ark. LARGE and small improved farms in all parts of Arkansas for sale. Write Chambers Realty Company, Little Rock, Ark. FREE information about Ark. general farming, fruit or stock raising land, at low prices. Virgil J. May, Booneville, Ark. ARKANSAS RIVER BOTTOM plantations, virgin timber lands, small farms. Send for list. Dumas Realty Co., Dumas, Ark. RED RIVER corn and alfalfa farms, \$20 to \$50 per acre; income \$50 to \$60 per acre. List free. L. A. JUSTUS, Foreman, Ark. YAZOO-DELTA Black Alluv. lands, Upland farms Ark., Miss. and La. Gulf Coast truck farms. Galbreath Bros., Memphis, Tenn. 520 ACRE FARM, one-third cultivation. 6 room house, nice soil and productive. Price \$8 per a. Terms. Polk Real Estate Co., Little Rock, Ark. 160 ACRE bottom farm right at depot, all in cultivation, good buildings, high school, ten miles large town, \$27.50 per a. Write me. T. D. HAILLE, Calico Rock, Ark. DO YOU want a farm in Arkansas? If so, write for my illustrated book. Imp. and unimp. prairie, timber and rice lands. Write me today. Olaf H. Kyster, Stuttgart, Ark. BARGAINS in improved and unimproved corn and alfalfa farms, in the great St. Francis Valley, Mississippi county, N. E. Ark. Blytheville Realty Co., Blytheville, Ark. CORN, FRUIT, ranch and wheat lands; sandy loam soil; \$10 to \$25 per a. On good terms. Write for new list, mailed free upon request. Mansfield Realty Co., Mansfield, Ark. CHOICE southern farms, ranches, plantations. Big crops—sure crops—winter crops. More money, less work, good health. McKinney Land Co., 78 No. Main, Memphis, Tenn. IF INTERESTED in N. E. Arkansas farm and timber lands, write for list. F. M. MESSER, Walnut Ridge, Ark. 430 ACRES rich dark loam land; 120 cultivation; bal. timbered; level, no rocks; 1 ml. R. R. \$12 acre, 1/2 down. ROBERT SESSIONS, Winthrop, Ark. 80 A. farm 3 miles out, level as a floor, well drained, no hills, no rocks, improved second bottom, no swamps or overflow, \$1,500. 120 a. better improved, fine as you want, \$3,000. List and description free. ED HOPKINS, Kensett, Arkansas. MISS., ARK., AND LA. FARMS in the Mississippi Valley are the best and cheapest. Write for list. No trades. HURST TRUST CO., Memphis, Tenn. A REMARKABLE BARGAIN. 623 ACRES; good 8 room residence; two tenant houses; 130 a. cultivation. 2 ml. railroad town. No wash land. Price \$10 per a. Other lands. R. C. THOMAS, Magnolia, Ark. ARKANSAS LAND. 17,000 acres, all tillable, no rock or hills, for sale in small farms, Grant county, \$1.50 per acre cash, balance 20 years at 6 per cent. Can employ 60 men and teams. E. T. TETER & CO., 210 W. 2nd St., Little Rock, Ark. 2,000 ARKANSAS FARMS, for sale. Write us for special map of Arkansas and descriptions and prices of farm lands. Booklets and literature sent free to any address. Largest land dealers in Arkansas. McMahon Realty Co., 219 West Markham St., Little Rock, Ark. For Sale in Southwest Arkansas. 80 improved farms at a price ranging from \$15.00 to \$40.00 per acre. Write for literature. SOUTHERN REALTY & TRUST COMPANY, Ashdown, Arkansas. 400 ACRES unimproved bottom land, level, no overflow; will average 60 bushels of corn per acre, other crops in proportion, one mile to station, \$15.00 per acre. 120 acre improved bottom farm, mile from Malvern, level, good corn and alfalfa land, will guarantee that this place will be worth \$10.00 per acre more in one year. Write M. & B. TIMBER COMPANY, Farm Department, MALVERN, ARKANSAS. \$1.50 Per Acre Down. BALANCE 20 YEARS AT 6 PER CENT. To close out the Frank Kendall Estate we will offer 20,000 acres of very fine agricultural cut-over lands located 2 to 10 miles of Pine Bluff, a city of more than 25,000 population. Fine climate. No cold winters; 48 inches rainfall per year. Good schools and churches. These lands are selling rapidly at \$15 per acre. See or write FRANK KENDALL LUMBER CO., Pine Bluff, Ark. NEBRASKA ALFALFA FARM ADJOINING TOWN. 1,040 a. alf. and hay ranch; 100 alf. 300 more suitable; 500 hay meadow; adjoining R. R. town; highly impr. \$40 a. Other bargains. WILL C. ISRAEL, Benkelman, Neb.**

**LOTS on terms 10 per cent monthly at prices \$17.50 to \$50.00. Rapidly growing little city. Just where you want to live or make a profitable investment. JOHN W. BAUGHMAN, Desk G, PLAINS, KANSAS**

**Meade, Gray and Ford Counties. Good wheat, corn, oats, and alfalfa land. Some farms as low as \$20.00, on good easy terms. Agents take notice. CLAY MCKIBBEN, Dodge City, Kansas.**

**ALFALFA LANDS \$40 to \$50 ACRE. EAST END OF HODGEMAN COUNTY. Very best bottom land, with running water, some timber. Excellent wheat land at \$20 to \$30 per acre. Come and see or write for list. M. W. PETERSON, Hanston, Kan.**

TEXAS

BARGAINS in Tex. Co. farms. Some 500. Write for list. Harvey Cox, Hooker, Okla.

FREE. Taylor's Texas Investor (Magazine). A money saver, write now; six months free. H. S. Taylor, Houston, Tex.

160 A. improved, \$35. 40 a. improved \$45. Easy terms. Close in, black soil. Artesian water. J. H. Cope, Palacios, Tex.

BARGAIN FOR CASH. Trade for improved land. 108 acres fine onion land in artesian belt, in Nuaces Valley, S. W. Texas. Box 396, Madill, Okla.

WRITE FOR FREE literature describing choice lands in the Eagle Lake district. Send your name today. Fidelity Immigration Co., Eagle Lake, Tex.

157 A. choice farm, well improved, close to Ft. Worth. Good cotton, corn, fruit, truck and dairy proposition. Special pick up Kitchen-Vaugh-Seaver Co., Ft. Worth, Tex.

FOR SALE—Cheap Texas land 8 miles south S. P. R. R. in Brewster county. Buy a section and hold for investment; 50 cents per acre cash, balance easy terms; 60% tilable. Title perfect. W. Willeford, Flatonia, Tex.

THE BEST cheap land proposition in the United States today. Wheat yielding from twenty to forty bushels per acre, all other crops equally good. Write us for particulars. J. N. JOHNSON LAND CO., Dahart, Tex.

FREE information about good cheap lands of Liberty county. Shell roads, two crops, interurban and water transportation coming. Small or large tracts well located, near Houston and Beaumont. Address M. A. Daniel, Liberty, Texas.

TEXAS TRUCK FARMS. Fortunes have been made in acreage near growing cities. An opportunity is offered you to buy 5 acres of rich black sandy loam land twenty-five minutes from Houston's business center, the fastest growing city in the Southwest. Write for literature. SOUTH TEXAS MORTGAGE CO., Houston, Tex.

FORTUNES easily made on small irrigated farms in Tex., alfalfa pays per acre \$150 to \$250, feed stuffs \$75 to \$150, onions \$150 to \$600, celery and cauliflower up to \$1,200, peaches \$150, pears \$1,000; all other products do equally well; most healthy climate in the world; we sell on terms to suit you; might trade some; values will double in a year. Round trip with berth in our private car \$35. Full particulars free. STRATTON LAND CO., 263 Monadnock Block, Chicago, Ill.

580 ACRES FOR SALE. Will take in some draft brood mares. EAGLE LAKE INV. CO., Eagle Lake, Tex.

IDEAL STOCK FARM. 818 a. imp. 4 ml. of station, price \$20 a. Terms. Some trades considered. For particulars write D. W. GRANT, Palacios, Tex.

Real Values in Mid-Coast Texas. "THE LAND BROKERS CO." help you to BUY DIRECT FROM THE OWNER." Palacios, (By the sea) Texas.

\$50.00 GIVEN TO YOU. \$50.00. To everyone purchasing 100 acres of land thru my agency I will give \$50. If you buy more you get more. Write for literature and list—all bargains. J. C. Schofield, Edna, Tex.

BRAZORIA COUNTY, TEXAS. 1,000 acres, sandy loam, prairie land, well drained; very fertile. Price \$20.00 per acre. Terms. Write me for bargains, any size tract. W. D. GRAHAM, Velasco, Tex.

BUY COAST FARM LANDS. We make a specialty of locating the best for the money for the homeseeker and investor. For list and free information write C. H. Standliff Land Co., Houston, Tex.

HALF THE PRICE. You pay in the North, or less, will purchase prairie land, 160 acres up. Will yield 40 bushels corn per acre, only \$40 per acre. Plenty rain, fine climate. Have some exchanges. See or write JNO. C. PENN LAND COMPANY, Houston, Tex.

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 ALISON RICHEY LAND CO., 2nd Floor Carter Bldg., Houston, Tex.

READY MADE FARMS. Why rent when you can buy a 40 a. ready made farm for \$100 per a. and up? Easy terms. Thrifty farmers make \$2,500 to \$3,000 a year. Corn makes 60 to 70 bu., potatoes \$150 per a. For proof write. THOMAS A. SCOTT & CO., Houston, Texas.

Patented State School Lands For Sale

Only \$1.00 An Acre Cash BALANCE ON TEN YEARS' TIME.

I have for sale a few thousand acres of Patented State School Lands, in McMullen County, Texas, the famous lower Coast Country on line of projected railroad. This land is fine black soil, will produce splendid crops of corn, cotton, milo maize, kafir corn, sorghum cane, peanuts, potatoes and all other truck crops. In the Artesian belt. Rainfall about thirty inches annually. This land must be sold to close out the tract. First allotment will go at \$15.00 per acre. Terms \$1 an acre cash, balance in ten annual payments. Allotted in tracts of 20 to 640 acres. Splendid opportunity for investors and settlers to buy this land now at one-half or less its intrinsic value. Write before first allotment is all sold for literature and full particulars.

F. A. CONNABLE, Trustee, 416 Commercial Bank Bldg., HOUSTON, TEXAS.

COLORADO.

BEAUTIFUL Irr. farms, fruit, sugar beets, grain, alfalfa. Ordway Land Co., Ordway, Col.

FOR choice irr. farms near Loveland, Colo., write Arthur H. Goddard, Loveland, Colo.

3,800 ACRES improved, all perfectly level good farm land, \$15 per a. Will divide. Owner, W. B. McNichols, Yuma, Colo.

FINE 320 a. relinquishment, 40 a. winter wheat, all tillable, 50 a. fenced, small house, 2 ml. store, postoffice, 19 ml. Ry., on survey of proposed line. A splendid farm. \$1,600 takes it. Address C. E. PURDY, Akron, Colo.

SAN LUIS VALLEY, Colorado, 160 a. 3 ml. good R. R. town; lays fine; plenty of water; partly cleared and ready for plow; 4 room house; small stable; only \$40 a. Worth \$60; small cash payment; bal. long time 6%. Write owner, E. G. BYLANDER, Sedalia, Mo.

GOLDEN opportunities for a home and investments—NOW. Fine farms, ranches, \$8 to \$10 per a. A few relinquishments. Did you see "bleeding, alms-receiving Kansas" become the wealthiest state per capita? Only a few hours' west of Salina, no finer soil on earth; 50 schools, 4 banks, churches, best of Colorado. Now Pamphlet. R. T. CLINE, Towner, Colo.

80 ACRES IRRIGATED, \$6,500. Close to town and Denver. House, barn and cultivated water right. Fine soil. L. A. COBB INV. CO., Denver, Colo.

EASTERN COLORADO. Rich, level, corn, wheat and alfalfa land \$10 to \$30 per a. Write to or call on G. W. DINGMAN, Stratton, Colo.

HOMESTEAD RELINQUISHMENTS. 320 a. from \$200 up. Deeded lands, \$8.00 to \$15.00 per acre. One crop more than pays for the land. Descriptive folder and copy of the NEW HOMESTEAD LAW FREE. T. J. McNEVIN, Wild Horse, Colo.

CHEAP LAND and homestead relinquishments in Kiowa Co., Colo. Government only requires 3 yrs. residence now with 5 mo. yearly absence. Deed land \$6 to \$25 per a. Write for full information. Chas. M. Stark, Eads, Colo.

EASTERN COLORADO offers unsurpassed opportunities for home seeker or investor. Can furnish lands in any size tracts, at lowest prices; stock ranches a specialty. Write for free county map and des. matter. F. E. EWING, Hugo, Colo.

SUNNY Colorado. The rich Arkansas valley. Since 1885 we have been locating people. 165 a. solid alfalfa near Pueblo... \$17,500.00 60 a. solid alfalfa near Pueblo... 8,500.00 5 a. garden tracts near Pueblo... 650.00 40 a. alf. improved near Pueblo... 4,800.00 KEEN BROTHERS, Pueblo, Colorado.

ALFALFA LAND \$5 PER ACRE. 2,560 acres of land from 300 to 500 acres as fine alfalfa land as there is in the U. S. About 1/4 of the tract farming land, balance grazing land. One mile of running water. This is offered for a quick sale. No trades. Let me tell you about it. CARL M. COOK, Limon, Colo.

MISSOURI.

174 ACRES near town, 115 cultivation, balance timber, good apple orchard, good house, barn, other buildings, \$3,500. 135 acres three miles town, near school and church, 80 acres cultivation, orchard, 5 room house, all fenced, \$2,750. Exchanges. A. P. COTTRELL LAND CO., Pomona, Howell Co., Mo.

\$5 DOWN, \$5 MONTHLY, buys 40 acres near town southern Missouri. Price only \$200. Write for list of cheap lands. Box 372, Carthage, Mo.

BARGAINS IN SOUTHWEST MISSOURI. We have some rare bargains in Polk and Dallas county farms for CASH. Write for prices. Polk Co. Land Inv. Co., Bolivar, Mo.

OZARK MTS., THE BEST. We have thousands of homes for you at reasonable prices and good terms. Come at once or send for list. OZARK REAL ESTATE CO., Ava, Mo.

OZARK LANDS FOR SALE. 40 a., all fenced with woven wire, 36 a. in cultivation, bal. pasture, new 5 room house, large barn and other outbuildings, fine water, 1/2 ml. school; mortgage \$500 due 4 yrs. at 5 1/2%. Price \$1,400. List free. JAS. B. WEBB, West Plains, Mo.

POLK COUNTY FARMS For Sale or Exchange Ideal climate, pure water, fine pastures, short feeding season, productive soil, prices and terms to suit. HARRY T. WEST REALTY CO., Bolivar, Mo.

Fairview Farm \$800. Fairview farm is in Douglas county, Missouri; 2 miles from Pansy inland village, 9 miles east of Oldfield and 11 miles west of Ava, both railroad towns; 20 a. cultivated, balance timber, 50 a. tillable; good 3 room house, barn and outbuildings; nice orchard and fine spring near house; on public road and 1/2 mile to school. Price \$10 per acre. It's a real bargain. H. B. WANN REALTY CO., 205 N. Campbell St., Springfield, Mo.

Famous Blue Grass Land. 480 a. 1 ml. King City, Gentry Co., Mo. 31 ml. N. E. St. Joseph in famous blue grass belt. Well fenced and watered, large barn capable of housing 150 horses, 2 stallion stables with 10 box stalls and corral, hog house and cattle sheds, 7 room house, large dipping tank for horses, mules, cattle, hogs, with steam boiler. Farm mostly in blue grass for last 15 years, splendid timothy and clover. Will sell from 40 acres up, on terms to suit. Best stock, grain and blue grass farm in Mo. Price \$90 per a. W. L. Bowman Realty Co., King City, Mo.

A Remarkable Bargain. 320 A. all level land, 65 a. in cult., 80 a. pasture; bal. saw and tie timber. 180 fenced, wire and rail; 9 room house, good well at house; barn 70x76; good well at barn; smoke house, other outbuildings; phone in house; handy to school and church; 6 ml. to North View on Frisco R. R. 5 ml. to Fairgrove; 8 ml. to Co. seat, Marshfield; price \$17,000. Incumbrance \$5,000. 5 per cent, due 6 years; will exchange for good Kansas farm. Will assume as much as \$9,000. What have you to offer? See or write PURDY & COMPANY, Springfield, Mo.

MISSOURI.

25 OZARK bottom farms. List free. Write J. H. Wright, Marshfield, Mo.

WRITE Morris & Walker for list of south Missouri farms, Mountain View, Mo.

80 A. farm, \$1,800 impr. Write picture. E-Z terms. Box 594, Mt. View, Missouri.

280 A. farm well impr. \$12.50 per a. Other farms. Summerville Land Co., Summerville, Mo.

STOP! Listen! 40 a. farm \$350. Terms. Other farms. McGrath, Mountain View, Mo.

CHOICE Vernon Co. prairie farms. Easy terms. \$20-\$60 a. W. H. Hunt, Scheil City, Mo.

GUARANTEED descriptions of Mo. farms and income prop. James Harrison, Butler, Mo.

FOR FARM BARGAINS in the corn belt, see or write Elliott & Coleman, Pleasant Hill, Mo.

STOP today. Write King & Coon for book, Polk Co. land. King & Coon, Flemington, Polk Co., Mo.

FARMS for sale in Northwest Missouri. Write Booher & Williams, Savannah, Mo., for list. No trades.

LOOK HERE! 160 acres good land, well imp., 1 ml. town. \$3,800. Other farms. Chas. Rowlett, Trask, Mo.

40 A. well imp., 1/2 ml. town, 500 bearing apple trees. This is a bargain. Many other bargains. Write Kinder, Monteer, Mo.

200 A. 4 ml. R. R. town. Unimpr. Running water. 25 a. bottom, good grass, good timber. \$2,000. Baker Realty Co., Mountain Grove, Mo.

MO. lands, impr. and unimpr., low prices, easy terms; booklet "Why Not Missouri!" free. Exchs. made. C. L. Beach & Co., Mansfield, Mo.

WELL imp. 160 acre farm, 6 1/2 miles out; \$4,500, on easy terms. Write for particulars. DeMotte Realty Co., Mountain Grove, Mo.

MO. farms, \$25-\$60 a. Prices rapidly advancing. New list and folder free. German community, J. H. Frederick, Cole Camp, Mo.

FREE. "The Ozark Region." Contains new list cheap lands, and valuable information. Durnell & McKinney, Cabool, Mo.

SEDALIA, Pettis Co. Finest agril. livestock and bluegrass sec. in state. Farms for sale. Morris Bro. R. E. & Loan Co., Sedalia, Mo.

150 A. dairy stock farm, 80 a. bottom, well watered, 3 ml. out. \$35.00 a. No exchanges. R. F. Baker, owner, Mountain Grove, Mo.

WRITE for list improved farms in heart of Corn Belt (Northwest part of State). H. J. Hughes, Trenton, Missouri. Seller of Missouri Black Dirt.

AN 80 ACRE improved farm in Howell county, Mo., for sale. Price only \$25.00 per acre. Write for description. NEW HOME LAND CO., Springfield, Mo.

TIMBERED lands \$6 to \$20; Valley farms \$25 to \$50; orchard and berry farms \$40 up. Water and climate unequalled. Literature free. Anderson R. E. Co., Anderson, Mo.

CARROLL county, Mo., has more home money than any county in Missouri; raises more corn, wheat, oats, bluegrass than any county in the state. For information write H. C. Butts Land Co., Carrollton, Mo.

360 A. 10 ml. railroad, 3 ml. inland town. 180 acres in cultivation, 100 a. bottom, bal. timber, pasture, 8 room frame house, barn 40x60, woven wire fences, 120 ton silo, plenty water, grass and fruit. Phone. Improvements and neighborhood good. \$27.50 per acre. R. W. HEDRICK, Cole Camp, Mo.

WANTED—One hundred buyers for Bates county deep dark loam corn and bluegrass farms, on easy terms. 69 ml. south of Kansas City. Free lists. BOWMAN & WILLIAMS, Amoret, Mo.

I AM OFFERING some special bargains in Missouri bluegrass, corn and clover farms in tracts of 100 a., 120 a., 200 a., and 320 a. from \$30 to \$80 per acre. This is to settle partnerships and estates. J. H. KYLE, Clinton, Missouri.

CASS COUNTY FARMS. I make a specialty of farms that are priced right. Write and tell me what you want. I have it. Charles Bird, Harrisonville, Mo.

GEORGIA

FOR SALE—2 large apple and peach orchards. Located in famous Georgia Peach belt. For particulars address C. S. PERRY, 7722 St. Elmo Ave., Chattanooga, Tenn.

CANADA

OWN YOUR HOME IN CANADA. Buy a farm in Sunny Southern Alberta, any size, easy terms. Climate ideal, soil unequalled, no crop failures, no personal tax. Write today. LYNN W. BARRETT, Aldersyde, Alberta.

FLORIDA

WE WILL sell you land and allow you to pay nearly two-thirds of the purchase price from one-half of the proceeds from the sugar cane crop, and contract for all the cane you raise at a price that will net you \$63 per a. Write for particulars. HOWARD-PACKARD LAND COMPANY, Sanford, Fla.

MEXICO

Tropical Mexico Ranches. Have some splendid four to ten section cattle ranches which I am offering at attractive prices. Interested parties write

Geo. G. Wright 432 Grand Ave. Temple, Kansas City, Mo.

OKLAHOMA

EASTERN OKLAHOMA farms for sale by owner. Write W. A. Hancock, Pryor, Okla.

N. E. OKLA. prairie farms. Easy payments. Write J. T. Ragan, Vinita, Okla.

INDIAN LANDS eastern Okla. rain belt. Write J. J. Harrison, Pryor, Okla.

600 FARMS and other prop. for sale or ex. Blackwell Real Estate Co., Blackwell, Okla.

FOR SALE: Quarter section creek bottom, near Medford, Oklahoma. A bargain. Owner, E. E. Church, Iola, Kansas.

EASTERN Okla. corn, alfalfa, wheat and fruit farms, \$10 to \$50 per a. Write Ebey & Harrison Bros., Ada, Okla.

FOR QUICK SALE, 140 acres, improved farm, 6 miles of McAlester, Okla., \$25.00 per acre. Easy terms. Ed Cole Realty Co., McAlester, Okla.

WHY NOT come to Bryan county, Oklahoma, where you can raise anything that grows? For information write JOHNSON & MARSHALL, Durant, Oklahoma.

BARGAIN IN KAY CO. 240 a. smooth black land, 5 ml. market, imp., good water, price \$27 a. \$2,000 cash, bal. terms. Write Stevens-Cronan Realty Co., Newkirk, Okla.

FOR SALE—320 a. 3 1/2 miles Co. seat; all smooth, all fenced with American woven wire; extra large barn; \$20,000; pay \$5,000 cash, terms to suit on balance; smaller farms on same terms. J. H. FUSS, Medford, Okla.

620 A. 3 1/2 miles R. R. town, this county. 400 a. prairie, bal. timber but good grass in timber. 150 a. tillable. \$6.50 a. terms. 4,000 a. prairie land under fence, 1,000 deeded land mostly tillable. Deeded land \$14 per a. Will transfer leases. SOUTHERN REALTY CO., McAlester, Okla.

POCKET MAP OF OKLAHOMA for five names of persons intending to change Caddo county corn and alfalfa land. BALDWIN & GIBBS CO., Anadarko, Okla.

WOODWARD COUNTY, OKLAHOMA. Good land \$15-\$25, advancing every day, shallow water, excellent crops, awarded world's prize last year. Write for lit., price list. Gaston Bros. Realty Co., Woodward, Ok.

Oklahoma Wants You 500 choice farms for sale. Easy terms. Soil and climate excellent. Write for list. Roberts Realty Co., Nowata, 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.

AMERICAN REALTY CO.

Are offering Splendid Bargains in Stock and Grain Farms. Our Specialties—Impr. ALFALFA, Fruit and Poultry Farms. We have the Farms they all want, fine location, near towns, good schools, and churches, fine climate; excellent water. Send for lists, then see for yourself. 304-6 Surety Bldg., Muskogee, Okla.

CALIFORNIA

CALIFORNIA country home for sale. P. O. Box 121, Mountain View, Calif.

LOUISIANA

NORTH LOUISIANA railroad land, best in U. S. Low prices, 15 years' time. Write for literature. Hugo Jacobson, Salina, Kan., Immigration Agt.

TO HOMESEEEKERS AND INVESTORS. Can suit anyone wanting home in Louisiana; thousands of a. of timber land, when timber is removed make fine farm and pasture land. G. B. HAYNES, Monroe, La.

Ruston, Louisiana

is the best place for a tenant farmer that only has a little money to own a farm. Rich fertile soil—Ample rainfall.

Healthy Climate

Two crops a year—Good markets. \$10.00 to \$25.00 an acre, easy terms. No floods, mosquitoes or swamps. Write for illustrated literature. NORTH LOUISIANA REALTY & INV. CO. RUSTON, LOUISIANA.

There is Lots of Louisiana Land That Will Produce Three Times Its Cost Every Year

Louisiana is in a class by itself. For rich land, big crops, low prices. It makes no difference if you are rich or poor, an owner or tenant, where you live, or what you are interested in. Louisiana offers you more opportunities, more show to get ahead, bigger returns for your work and investment, than any other section on the North American continent, barring none.

We have soil here that is so rich it could be used to fertilize your northern farm. We can raise the biggest kind of crops of corn and alfalfa; fatten hogs and cattle for half the money it costs in North or Middle West, and this land can be bought from \$10.00 to \$25.00 per acre.

We have issued a nice illustrated booklet with a number of fine photo engravings showing the splendid growing crops of this country. It tells FACTS in big letters about this section in a simple and a plain way. It is free to you just for the asking. Every farmer should read this book for the information undoubtedly will prove to be of great value to you; it probably will give you the opportunity of making an investment, the best you ever made in all your life. Farm for yourself; farm in Louisiana and particularly farm in Alexandria district. Sit right down now and write us a letter for full information about this most wonderful section of the country.

COOK-ALEXANDER LAND CO., Alexandria, Louisiana.

Market Probabilities

(Continued from Page 29.)

western markets last week, the previous week and a year ago:

Table with columns for Cattle, Hogs, Sheep and rows for Kansas City, Chicago, Omaha, St. Louis, St. Joseph, Total, Preceding week, Year ago.

The following table shows receipts of cattle, hogs and sheep at each of the five western markets Monday, December 3, together with totals a week ago and a year ago:

Table with columns for Cattle, Hogs, Sheep and rows for Kansas City, Chicago, Omaha, St. Louis, St. Joseph, Total, Week ago, Year ago.

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:

Table with columns for Cattle, Hogs, Sheep and rows for Chicago, Kan. City.

Weak Grain and Hay Prices.

Cash grain prices early in the week were advanced moderately but later fell to new low levels for the season. Poor milling demand for wheat, together with no expert trade keeps prices down. Excellent weather for gathering corn was a weakening influence. Oat prices remained about the same though demand was good. Prairie hay was quoted down \$1 a ton, and was the lowest for some time. Other hay sold at unchanged prices. Receipts continue large.

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

Table with columns for Wheat, Corn, Oats and rows for Kansas City, St. Louis, Hard No. 2, Soft No. 2, White No. 2, Mixed corn, No. 2 white, No. 2 mixed.

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:

Table with columns for Wheat, Corn, Oats and rows for Chicago, Kan. City.

Hay Prices in Kansas City.

The following is the range of quotations on the Kansas City hay market:

Table with columns for Prairie, Timothy, Clover, Alfalfa, Straw, Packing hay and rows for choice, No. 1, No. 2, No. 3.

Kafir Corn and Seeds.

Kafir, No. 3, 79@80c a cwt.; maize, 78c a cwt. Alfalfa seed \$9.00@12.00 a cwt.; flaxseed, \$1.06 a bushel; timothy \$1.50@1.75 a bushel; cane seed, 90c @ \$1 a bushel; millet seed, 95c@1.15.

The Broomcorn Quotations.

No new factors have entered the broomcorn market in the past week. The big manufacturers are taking only enough corn for immediate use and more house men are slow to accumulate supplies. The market is quoted quiet at steady prices. Choice green selfworking corn is quoted at \$30 to \$100 a ton; fair to good, selfworking \$55 to \$85 a ton; common to fair \$30 to \$50 a ton.

Livestock in Kansas City.

The following table shows the range in prices of hogs in Kansas City on days named for the past two weeks:

Table with columns for Tuesday, Wednesday, Thursday, Friday, Saturday, Monday and rows for Last week, Previous wk.

The following table shows the receipts of cattle, hogs and sheep in Kansas City thus far this year and same period in 1911:

Table with columns for Cattle, Hogs, Sheep and rows for 1912, 1911, Inc., Dec.

Butter, Eggs and Poultry.

Elgin, Dec. 3.—Butter this week is firm at 35 1/2 cents. Kansas City, Dec. 3.—Prices this week on produce are: Eggs—Firsts, new white wood cases included, 28 1/2 @ 29c a doz.; seconds, 20c. Butter—Creamery, extras, 33 @ 33 1/2 c a lb.

firsts, 30 1/2 @ 31c; seconds, 28 1/2 @ 29c; packing stock, 23c. Live Poultry—Broilers, 15c a lb.; spring chickens, 11 @ 12c; hens, 10 1/2 @ 11c; young roosters, 9c; old roosters, 8c; young turkeys and turkey hens, 12 @ 13c; old toms, 11 1/2 @ 12c; cull turkeys, 8c; ducks, 12c; geese, 9 @ 10c; pigeons, 75c a doz.

Table with columns for Butter, Eggs, Hens and rows for Chicago, Kan. City.

Editorial News Notes

(Continued from Page 35.)

tial construction throughout with heavy, broad faced machine cut gears and large diameter steel shafting, making it very light running and, therefore, easy to operate. The King has all the latest improvements including an improved separable disc bowl. There are no nooks or corners to gather and hold dirt and, as all parts are readily accessible, it is the simplest and easiest of all separators to keep clean. Moreover, a lifelong guarantee protects every purchaser—the guarantee being backed up by the full strength of the King half-million dollar factory. From this it is very evident that the King Separator must, indeed, possess unusual merit; otherwise, the manufacturer would not dare the risk of sending them for so long a time as 10 weeks without asking any money in advance nor, in fact, any financial protection, and then giving the prospective purchaser his choice of returning the machine at the company's expense or keeping it and paying for it on terms to suit his convenience. It is evidence of the strongest sort that the King firm have unlimited confidence in the superiority of the King Separator, as well as in the honesty of the people to whom they sell them. We suggest that anyone who is thinking of buying a cream separator, first write to the King Separator Works, 219 Rano street, Buffalo, N. Y., and get full particulars of their remarkable 10 weeks' freetrial offer.

How a Wise Farmer Got the Best of the Rain.

"Don't this rain break the record?" remarked Seth Morgan, pulling up his team by the gate, where his new neighbor, Joe French, was sitting. "I'm afraid your roofs aren't standing it very well. I knew before you bought this place it was too damp to live in during the rainy season. I noticed you did something to your roof when you first came, but my wife says that if it still leaks like it used to you'd better move over to our house for a few days, till your house dries out." "Well, now, that's mighty thoughtful of you," said Joe, "but the fact is, not a drop of water has found its way into the house, or the barns either. I knew the roof was like a sieve when I bought the house, but I also knew the value of Genasco Ready Roofing, and I wasn't going to let the roof stand in the way of the house I wanted, when I realized it could be put in better shape than it had ever been, and at a nominal cost. I got some Genasco down at Jim Wetherill's store and laid it myself. It was surprising how easily I did the work. Each roll of roofing held a package of patent fasteners, called Kant-Leak Kleets, which made the job still easier to do and took away the danger of nail-hole leaks and spreading seams. I made such a ship-shape job that my wife told me I had missed my calling—I should have been a roofer. Well, sir, my house and barns have been dry as a bone, and my family and stock are healthy in consequence. From what I've seen of it this roofing on other places I know it will last for years without costing me a cent. I'd advise you to write for a copy of the instructive little booklet 'The Barber Asphalt Paving Company, Philadelphia, gets out called 'The Good Roof Guide Book.' It's got a lot of valuable pointers in it about roofing in general, and it may save you considerable money and worry when your own roofs begin to go back on you, just as it has done for me." See ad on page 13.

NEW YORK

162 ACRES, ten room house painted throughout, running water piped to house; basement barn, 48x30 with "L's" 26x36 and 16x32, cattle stalls; silo, fruit, milk house. 2 1/2 miles from nice railroad town. Included: 11 cattle, mower, rake, sulky plow, wagons, small tools, \$1,000 worth timber. Nice farm, all for \$5,500. Terms. HALL'S FARM AGENCY, Owego, Tioga Co., N. Y.

NEW MEXICO

WE HAVE irrigated alfalfa, fruit, and grain lands, either improved or unimproved. In all sized tracts, located in the famous Pecos Valley of New Mexico, that we can sell very reasonably or can exchange for property elsewhere, and if interested in settling in one of the finest and most productive climates in the world, write us fully, for further information. W. S. BROWN, Dexter, New Mexico.

LOUISIANA.

Highest Elevation in State

NO MOSQUITOES, NO MALARIA. Good water, fine alfalfa and corn land, ample rainfall. 11 railroads, 100 miles from overflow district. Iowa, Missouri, Kansas, Nebraska and Oklahoma, people living here and all satisfied. Shreveport, best town in state, center of oil and gas belt, by far the best lands in the South. \$10 to \$50 an acre. Improved and unimproved. Buy your ticket to Shreveport, the key of the South.

Louisiana Farm Lands Company W. A. Jones, Sec'y, Shreveport, Louisiana.

FOR SALE OR EXCHANGE

GROCERIES and merchandise for farm. Other trades. F. Gass, Joplin, Mo.

LANDS and city property, sale or ex. in N. E. Okla. McCollum Bros., Nowata, Okla.

BUY OR TRADE WITH US—Exchange book free. Bersie Agency, Eldorado, Kan.

SALE—Exchange. E. Kansas lands, etc. Write today. Baylor & Royer, Valley Falls, Mo.

EXCHANGES, all kinds, everywhere. What have you? Overlin & Co., California, Mo.

ANDERSON COUNTY farms for sale or trade. Write for descriptions. Iler & Simmons, Garnett, Kan.

HAVE YOU any property to trade as part payment on land? I have 1,000 acres to sell. A. S. Prather, Plains, Kan.

FINE improved farms in southern Kansas for sale or exchange. Send for literature. C. S. Clark, Parsons, Kansas.

FOR SALE OR EXCHANGE for eastern land, improved 1/2 section in Logan Co., Kan. Lock Box 281, Holton, Kansas.

FOR SALE OR EXCHANGE—List your farms and city property with Geo. R. Rinebarger, Real Estate, Eimdale, Kan.

WE BUY, sell, exchange anything, anywhere of value. Ozark Co-operative Realty Co., Willow Springs, Howell Co., Mo.

BOOK 1,000 farms, etc., everywhere, for ex. Get our fair plan of making quick square trades. Graham Bros., Eldorado, Kan.

SOUTH MO. imp. lands for sale and exchange; low prices. Write to or call and see Goff, Saxe & Co., Willow Springs, Mo.

BARGAINS in southern Kansas farms. \$40.00 to \$75.00 per acre. Exchanges. Send for list. N. F. Paulin, Parsons, Kan.

TO EXCHANGE for hdw. or general mdse., improved rice plantation in Louisiana. H. C. Whalen, 213 Biting Bldg., Wichita, Kan.

240 ACRES, 1/2 ml. of Westphalia to trade for land in Marion or Dickinson counties. Write Triplett Land Co., Garnett, Kansas.

FOR SALE. \$200 grocery stock; will rent building. City property for land. Good Impr. farm for rent. John Deer, Neodesha, Kan.

FARMS and ranches for sale or ex. Send full particulars of what you want and where you want it. M. F. Simmons, Kansas City, Mo.

FARM BARGAINS—In western Missouri, eastern Kansas and Arkansas. Send for descriptive literature. T. S. Wilson, Hume, Mo.

GET OUT of business and rest a while. Let me trade the business for land. I can do it. Write me. Harry Porter, Quinter, Kan.

NEW brick bldg., clean genl. stock and residence, \$8,500. Want improved 80 east or central Kansas, clear or nearly so. Buxton Land Co., Utica, Ness Co., Kansas.

BARGAINS in South Mo. corn, clover and bluegrass land. Exchanges a specialty. Trades matched anywhere on earth. Write Co-operative Realty Co., Humansville, Mo.

TOUCH a live wire. Our Red Letter Special will trade your property. List today. Guaranteed deal. Write for particulars. Midwest Realty Exchange, Riverton, Neb.

WOULD you trade your farm: city residence; rental property; mdse.; hotel; auto; steam plow or other property for good land? Write Kysar Realty Co., Goodland, Kansas.

FOR SALE AND EXCHANGE; land in the Ozarks, the Switzerland of America. \$5 to \$25 per a. Stock and poultry raising and general farming. "Facts Worth Knowing" free. J. A. Wheeler, Mountain Grove, Mo.

FOR FREE information about Republic Co. corn, wheat and alfalfa lands, write me; also Decatur Co. lands. Prices and terms right. Some ex. Jesse A. Simpson, Scandia, Kan.

160 A. valley land in Bourbon Co., Kan., 13 miles northwest of Ft. Scott. Corn, timothy, clover and alfalfa land. Imp. in fine neighborhood. \$12,000, mortgaged \$3,000, due 1920. 6% Will consider on the farm, 80 a. or less or good town property for home. H. Clay Bowsher, owner, 4050 Broadway, Kansas City, Mo.

SALE OR TRADE \$400 income. 40 a. imp. irr. land, Rio Grande Valley, Texas. 1 ml. good town. The richest and will be the highest priced land in U. S. Grows enormous crops of everything. 2 to 3 crops year. Fine healthy climate. Rented for \$10 a. Adjoining land sold for \$200 a. Will sell for \$150 a. or trade for good improved place, in corn and bluegrass belt, near good race track. Reason. owner is a horseman and wants central location. A. M. Chrisman, owner, Ingersoll, Okla.

BARGAINS in alfalfa and general grain farms, merchandise and income properties. Exchanges a specialty. Send for literature. J. D. P'NEAU, La Cygne, Kansas.

FREE—Loose Leaf Exchange Book. It will match your trade. Write Desk A. E. P. JOHNSON, Ordway, Colo.

OREGON

240 A. Grande Rouge Valley, Ore. Irrigated, impr. Box 7, care Mail and Breeze.

NEVADA

"HOMESTEADS." Do you or your friends want a 160 or 320-acre homestead? Here in Nevada you may take 220-acre homesteads, and under the new homestead law you are entitled to five months off each year. I have a "NEW VALLEY," where water is obtained from 10 to 20 feet and good land has been tested and found very satisfactory; railway close. "LOCATION FEES REASONABLE," all work guaranteed; good people wanted. These lands will produce all kinds of crops except citrus fruits. IF YOU MEAN BUSINESS and want good lands answer this at once. L. C. DOOLEY, Box 179, RENO, NEVADA.

BRICK HOTEL, 3 stories, and basement, all modern, first class, fifty rooms, price \$20,000, clear, to trade for land. OAKLEAF & HILL, Cherryvale, Kan.

FOR SALE—Choice wheat, corn, and alfalfa lands, in Clark, Ford, and Meade Cos. Write for list, trades. NATE NEAL, Real Estate, Minneola, Kan.

TO SELL OR TRADE. An ideal dairy and stock farm 2 miles of city, also 1/2 or the entire interest in a good business in a good city in Kansas. J. M. MASON, Columbus, Kans.

FOR SALE AND EXCHANGE Ozark lands in tracts to suit, \$4.00 acre up. List free. Anna E. Hockensmith, Ava, Mo.

FARM BARGAINS For sale or exchange, any size, price or where. We can match any trade. LATHAM & DORR, Wichita, Kansas.

FOR SALE OR EXCHANGE. for larger farm. 80 acres, 80 rods Leeton; 50 acres 2 1/2 ml. Leeton. S. H. DAVIS, Owner, Leeton, Mo.

FOR EXCHANGE. 320 a. creek bottom alfalfa land, impr., 225 a. in cult., 5 ml. county seat, near school. Address W. J. Williams, Wakeeney, Kan.

LAND FOR MDSE. 200 a. Chautauqua Co., Kansas, \$6,000; \$9,000 general mdse., want good Kansas land. Write for exchange list. HUNTER BROS., Independence, Kan.

MONEY-MAKERS AND GOOD HOMES. Lands in Oklahoma, Texas and Kansas for sale, no exchanges. City property and stocks of mdse. to exchange. List free. JABEZ F. BRADSHAW, Lenexa, Kan.

GOOD BARGAINS IN MISSOURI LANDS. Now's the time to buy, while lands are cheap. Howell Co. products won 1st prize at Missouri State Fair. We sell, we trade; what have you to exchange? Write Kirwan & Laird about it. West Plains, Mo.

FARM BARGAINS. Farms, ranches, city property and merchandise; for sale or exchange, any size, any price, anywhere. Write for large free list. SEWELL LAND CO., Garnett, Kan.

160 ACRES FINE IRRIGATED FARM. Fair improvements; 20 acres in alfalfa; all under ditch except 8 acres; farm clear. State fully what you have and price in first letter. CHAS. D. GORHAM, Garden City, Kan.

WANT TO RETIRE. Will sell my 1,640 acre ranch all stocked, everything in first class shape, 320 irrigated, (house modern), would accept small place as part payment and one half the crops and one-half increase of stock until paid for. State what you have to buy with, enclose stamp. C. F. FAY, Hagler, Dundy Co., Neb.

HOW ABOUT THESE? 40 acres good land for rental property. 80 acres Kansas land for Missouri land. Stocks merchandise for land. Fine improved 240 a. for rental property. Other dandy trades. Write for particulars. FOSTER BROTHERS, Independence, Kan.

FOR EXCHANGE. Improved 160 acres, bottom land in Allen Co., Kansas, worth \$12,000.00, will exchange for mdse. or hdw. in North Missouri, Ill., or East Iowa. Also good 200 acres and 80 acres at a bargain for cash, easy terms, good homes and fine land. Write for fuller description if interested. WILSON & RESSEL, Colony, Kan.

160 A. Farm Neosho Co., Kan. Good six room house, good barn, 1 ml. good town. Plenty water, all could be cultivated. Price \$60.00 per a. Would consider \$2,000 residence in exch. 711, Care Mail & Breeze, Topeka.

For Sale or Exchange Land in the great corn belt of Missouri, Kansas and Nebraska. Also Ranches. If you wish to make an exchange address M. E. NOBLE & SON, 507 Corby-Forssee Bldg., St. Joseph, Mo.

Investor

Do you want to purchase or trade for land that grows big corn and 7 crops of alfalfa per annum? If you do, call on or write W. E. WILSON, Walters, Okla.

Bargains in Land

Over 3,000 farmers transact business in Live Stock Exchange weekly—some are retiring, others closing out estates cheap—but they all list their bargains with us. We can positively cite you to more land bargains than any other agents. Corn and alfalfa farms for sale in Eastern and Central Kansas and several near Kansas City. List sent free. Kansas City property for sale or trade for farms and ranches. SHERAN STOCK YARDS LAND CO., 609, Live Stock Exchange, Kansas City, Mo.

For Exchange

435 acres, 5 ml. from Chillicothe, Mo., improvements consist of 8 room house, corn cribs, large barn and other outbuildings; an ideal stock and grain farm; price \$100 per acre. 260 acres, 5 ml. of Princeton, Mo., two sets of improvements; price \$65 per acre. 112 acres 1 mile of Excelsior Springs, Mo., on electric line, station on corner of the land, 5 room house, barn and other outbuildings; price \$200 per acre. 450 acres 8 miles from Carrollton, Mo., 3 ml. from good railroad town, 7 room house, large barn, large double corn cribs, stock scales, and all kinds of outbuildings; price \$125 per acre. 107 acres 8 miles from Carrollton, Mo., 2 miles from a good railroad town, small house and barn, price \$125 per acre. 118 1/2 acres 35 miles east of Kansas City, Mo., new 8 room house, large barn, all fenced hog tight; price \$100 per acre. 95 acres Atchison Co., Mo., 1 mile of a good railroad town, 5 room house, good barn, other outbuildings; price \$125 per acre. Rental property and merchandise for exchange. For further particulars address J. W. WELDON, Suite 802-3 Commerce Bldg., Kansas City, Mo.

# LAND that will open your eyes!

## the kind that grows corn like this



If you want to buy the best farming land in America, at an honest land opening, and from a big lumber company instead of paying fake promoters, three prices—here is your opportunity. This land is now owned by the Brooks-Scanlon Company, one of the largest sawmill and lumber companies in America. It was bought years ago for the timber. It lays close to Kentwood, Louisiana, a business center of 3,600 people. The owners of this land are in the lumber business here PERMANENTLY. They are not organized land companies or fake promoters, but are worth \$3,000,000.00 and they are going to stay here. They do not want speculators, but GOOD, RELIABLE FARMERS, because it will make business and double the value of the balance of their property.

### Sixty Farmers From Kansas

visited this land on our last excursion. Without exception they were well pleased. 6,000 acres have been sold. These people came, they investigated and they purchased—not by mail over a lot of high-sounding literature and pretty pictures—but because they saw with their own eyes that the 'cut-over' land of northern Louisiana is THE BEST FARMING LAND IN AMERICA TODAY.

### Located in Rich Uplands

Our lands consist of about 70,000 acres of the very highest soil quality of "cut-over" lands to be found in Louisiana. They are not off in some remote section but located right on both sides of the Kentwood & Eastern Railway in Tangipahoa Parish (the Louisiana word for "county") in what is known as the Ozone Belt, one of the healthiest sections in the United States. Its nearness to the Gulf of Mexico and elevation insures short mild winters and healthful and moderately warm summers. The land is high and rolling, insuring excellent drainage, and the absence of swamps in Tangipahoa Parish makes health conditions almost perfect.

### Living in the South is Cheaper

The cost of living in Louisiana is much less than it is in the Middle West, and you can easily make \$2.00 here for every one that you can make in the North.

### Farmers' Round Kentwood Grow Rich

This is not a one-crop country. You can raise two or three big crops every year—twice as much as in the North, because climatic conditions here are right and the soil rich and productive.

### Bumper Crops of Corn

Cotton, Cane and Tobacco are the mainstays of the Southern Belt, but immense yields of corn are raised on these lands. Nowhere in the great corn-growing belt of the Mississippi or Missouri Valleys can such enormous yields of corn be raised as in the State of Louisiana. From a production of a few years ago of only 250,000 bushels a year, Louisiana has made such wonderful strides that 1911 saw an output of nearly 60,000,000 bushels. In 1912 it will doubtless be 75,000,000 or 80,000,000. Don't forget that up to the present this is being raised on very limited area. We do not believe there is an acre of land on Brooks-Scanlon farms but that, with proper cultivation, will raise from 45 to 70 bushels. This is conservative—75 to 100 bushels per acre are raised here every year. And remember the same ground will bring you two or more other crops the same year. Corn brings from 80c to a dollar a bushel in the South.

### Barrels of Money in Hogs

Here, where green stuff can be fed the whole year, pork is produced from 2c to 3c a pound live weight. Do you know a better way to make money in the North? You can't do it there for less than 5c a pound when corn is worth 50c a bushel and 7c when corn is 75c. You can make a barrel of money here every year raising hogs, and New Orleans, one of the best markets in the world, is only 83 miles distant.

### \$100.00 to \$600.00 an Acre From Fruits and Vegetables

We believe our lands are the most suitable and best all-round agricultural lands to be found in America. They produce the highest yields of corn, oats, grasses, vegetables and fruit, including Satsuma oranges, figs and pecans, grapes, strawberries, apples, peaches, pears and plums. Other small fruit, blackberries, dewberries, mulberries, grow wild in large quantities. Watermelons and canteloupes are very prolific. Fruit and vegetables produce from \$100.00 to \$600.00 an acre.

### All Land \$20 an Acre! Easiest Terms in the World!

Right now this land is actually worth \$30 an acre and the time will soon be here when it will sell for \$60, \$75, and upward to the same or a higher valuation than that of the best Kansas farm lands, because it will produce more.

### Only the First Few Thousand Acres Will Be Sold This Cheaply

We have set this low price because we want settlers. As soon as this much of the ground is sold the price will naturally advance. You can buy direct from us now at the lowest price, and we sell direct to you. We don't have to misrepresent a single fact, and we will guarantee to you that every statement in this advertisement and our literature is true. If you can find it otherwise, we will refund your expenses, including railroad fare and hotel bill, when you come to see this land.

### What We Will Do For You

We maintain a Demonstration Farm and employ a Southern agricultural expert who will plant any crop you say, and will give you expert advice at any time free of charge. We will furnish you lumber for building right from our mill at wholesale price. If you fall ill or if for any reason you cannot meet your payments, we will give you liberal extension of time. In case of death of the owner after one-half of the payment has been made on our property, we will give a Warranty Deed to your heirs without any further payments.

### FREE COUPON FOR BOOK All About Brooks-Scanlon Lands.

C. H. McNIE, Land Commissioner Brooks-Scanlon Co., 60 Bolivar Bldg., Kentwood, La.

Please send me your free book with full information about Brooks-Scanlon Farms.

Name.....

Postoffice.....

State..... R. F. D.....



**NEXT EXCURSION**  
Date Tuesday  
**DEC. 17<sup>TH</sup>**  
MAIL COUPON  
TO DAY

NOW, IF YOU WANT TO OWN A FARM IN ONE OF THE RICHEST SECTIONS OF AMERICA, where you and your family will enjoy every moment of your time—where in coming to a new country you can enjoy as good educational advantages as you now have; where your children will have free access to the very best of schools; where you will be located in a country of churches and modern advantages; where you can make \$2 for every one that you make now—then write your name on the coupon and mail to me today. I will send you by return mail complete information about our land the responsibility of the owners, the date of the next excursion, the railroad fare—in fact, everything you want to know. We want farmers here—good farmers—and for them we have the fairest, squarest and most liberal proposition you have ever been offered. Send coupon today. Now is the best time.

**C. H. McNIE, Land Commissioner**  
Brooks-Scanlon Co., 60 Bolivar Bldg., Kentwood, La.  
FINANCIAL RESPONSIBILITY OVER \$3,000,000.

*The absolutely guaranteed to you that your crops will make you a profit in 12 months time if worked under the direction of our expert, or we will refund every penny that you have paid us on your land, plus 60% interest.*  
Brooks-Scanlon Co., Kentwood, La.

### Read What These Farmers Have to Say About Brooks-Scanlon Lands:

To Whom It May Concern: I have looked over the Brooks-Scanlon Farm lands and believe that they have made no misstatement in their literature. I think that a Northern man who has a tendency for stock farming can make a success in Tangipahoa Parish, La.—C. B. MATHENY.

FROM EUDORA, KAN.—I have been a Kansas farmer for 30 years. Mr. Hawkins came to my place and told me about your

land and I came to look it over and see if you had all you said. I have bought 80 acres and I want to say that I think Brooks-Scanlon Farms land is well adapted to general stock raising, hogs or cattle. The cattle here look fine. The climate is beautiful, the soil productive, and the grass grows 2 feet high, fine enough for any stock. I intend to move as soon as practicable and want as many of my friends as possible to know of the opportunity.—CHAS. LILL.

FROM COFFEYVILLE, KAN.—I will say that I am perfectly satisfied with the country, and find it just as it was represented to be.—J. F. BEARD.

FROM LEROY, KAN.—

To Whom It May Concern: I have inspected Brooks-Scanlon Farms and find them to be very prolific in their nature, being adapted to many agricultural purposes. As to the people their hospitality is far-reaching. In my opinion the climate is ideal.—D. C. GATES.

FROM IOLA, KAN.—

I have spent two days looking over your lands and they are much better than I expected and all that you represent them to be. I have invested in a farm, expecting to move and make my future home here. I lived for a number of years in Orange Co.,

Florida, and owned land there, and find your lands superior to those of that state. My present home is in Eastern Kansas, and hope to bring several of my friends to live near me.—W. W. DE GARMO.

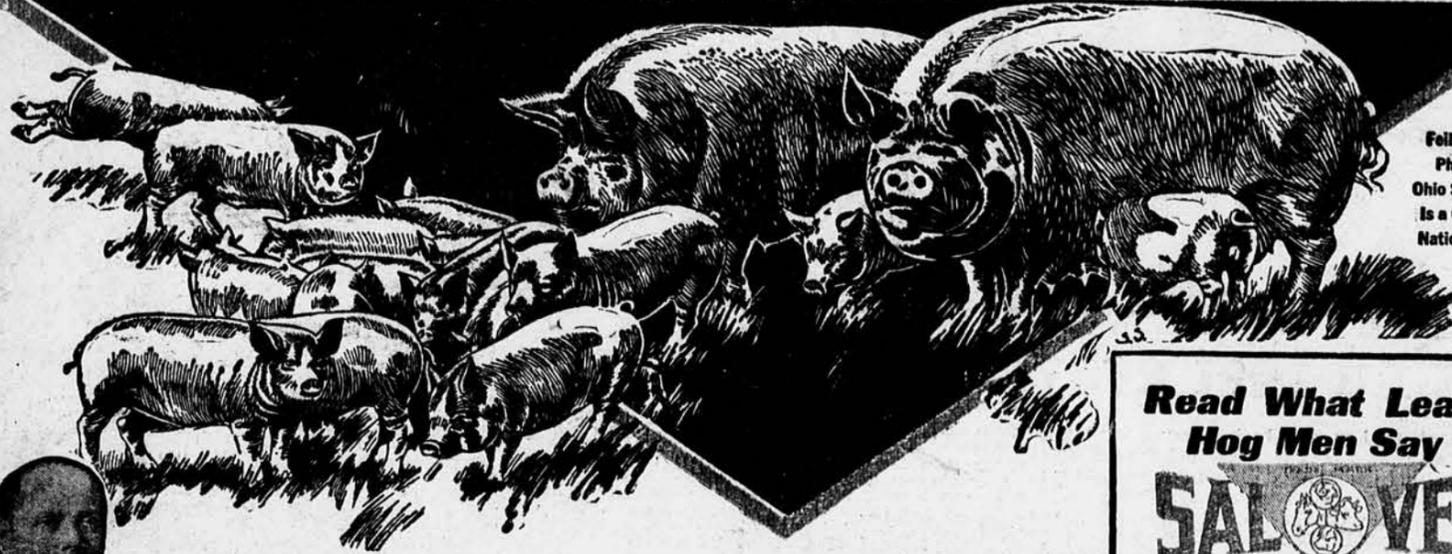
FROM CANTON, KAN.—

I find that your country is as good and better than I anticipated from reading your literature. The crops are fully as good as you have represented them to be. From an investigation of two days, I believe that there are no swamps, no malaria or mosquitoes in or around your lands. I have purchased 80 acres, and expect to make this my home.—G. W. CRO-FOOT.

Look OUT

# For Worms This Month

Look OUT



Mr. Sidney R. Feil is a Registered Pharmacist Under Ohio State Laws, and is a Graduate of the National Institute of Pharmacy



S. R. FEIL  
The Sal-Vet Man

## I'll Stop Your Worm Losses— I'll Prove It Before You Pay—

**DON'T** let worms breed *Contagious Diseases* among your hogs this year. Don't let them kill off the young pigs and rob you of your season's profits. You can *prevent it* if you will just take "a stitch in time." Now is the time when worms begin to get in their *deadly work*. Now they are breeding, multiplying by the millions in the stomach and intestines, and if you don't get the best of them, they will surely get the best of you. Now is the time *Contagious Diseases* usually occur and worms are nearly always the cause. Get rid of the worms—put the digestion of your hogs in prime condition and diseases can't get a foot-hold.

### I'll Make Your Hogs and Pigs Worm Free, or No Pay

I'll do this at my risk. In addition, I'll put them in the *Pink of Condition*; make them *thrive* better; bring them up to the fattening period strong, vigorous and in shape to produce considerably *more Pork* on the same amount of feed. In short I'll solve your greatest hog raising problem which causes you 90% of the losses and worry and keeps your hogs from paying you the profit they should. I'll do all this with

Beware of Imitations



Look at the Name Carefully

The Great Worm Destroyer and Conditioner.

and *prove it to your satisfaction* (not mine) before you pay me a cent. I do not claim Sal-Vet is a cure-all, but simply a positive *destroyer of Stomach and free intestinal worms* which are the cause of 90% of diseases among stock and also the cause of stock failing to thrive as they should. Get rid of the worms and your troubles and losses will vanish; your stock will thrive better; you'll save on feed, you'll get better profits and raise far better stock. Sal-Vet will do it and I stand ready to *prove it* before you pay me a cent.

## Send No Money—Just the Coupon

Here is my offer: Simply fill in the coupon, tell me how many head of hogs, sheep, horses and cattle you have. I will then ship you enough Sal-Vet to last them 60 days. You pay the small freight charge when it arrives. Put it where all your stock can get free access to it and they will doctor themselves. They eat it as they do salt—just as they need it, and at the end of 60 days if you don't feel *satisfied*, write me and I'll cancel the charge. How can you risk loss; how can you let your stock drag along when they should be thriving; growing into profit when a fair, open offer like this is at your disposal? You have all to gain, nothing to risk. Fill out and mail the coupon *now*. Don't put it off, lest you forget.

### Here's My Personal Guarantee—Read It!

I personally guarantee this generous, open-handed offer right down to the very last word. I stand back of it every single day, I'd like to have you address your letters to me personally.

SIDNEY R. FEIL, Pres.  
THE S. R. FEIL CO., Dept. FM&B Cleveland, Ohio

60-day trial shipments are based on 1 lb. of Sal-Vet for each hog and sheep, and 4 lbs. for each horse and head of cattle, as near as we can come without breaking regular packages.  
PRICES: 40 pounds \$2.25, 100 pounds \$5.00, 200 pounds \$9.00, 300 pounds \$13.00, 500 pounds \$21.12. Sal-Vet always comes in original "Trade Mark" Packages. Never sold loose, in bulk, or pound. Look for this trade-mark. It is your protection against imitations and substitutes. SAL-VET (36)

### Read What Leading Hog Men Say of



I want you to know what SAL-VET really has done, is doing, and why I can positively guarantee what it will do for you. Read these letters. I have thousands like them, not only from hog raisers, but sheep men, horsemen and cattle owners—all equally enthusiastic over the surprising results SAL-VET produces.

"Your SAL-VET sure does all you claim for it. We have been feeding it right along and never saw hogs and pigs do so well. It sure gets rid of worms. The animals seemed to grow faster and fatten better. Lots of hogs died around here from cholera but my hogs never took it. I believe it was because of feeding them SAL-VET all the time."  
O. M. Van Osdol, Nashville, Okla.

"One \$5 order of SAL-VET has been worth \$50 to me. It relieved my hogs of worms by the hundreds and they have gone through the winter on less feed and look better than I ever had hogs do before. My horses and cattle have done fine, too. I have used many preparations but none so good as SAL-VET."  
Chas. F. Hilton, Jonesboro, Tenn.

"I have tested your SAL-VET thoroughly and must say that it is without doubt the best remedy for hogs that I ever saw. At the time I got it, my sows and pigs were in very bad condition. They looked rough, would scarcely eat and began to die. I had lost three thoroughbred Berkshire pigs. Then I commenced feeding SAL-VET as directed, and the results have been most gratifying. Their coats have become sleek and glossy, their skins soft, they eat all I give them and are making better returns in weight than ever before."  
J. P. Hunter, Gieger, Ala.

"I did not for a minute expect such results as I obtained from your SAL-VET. It expelled more worms from my hogs than it would take to fill the keg it came in. I will order more soon for it is a great preparation."  
Geo. B. Coffinbarger, Shepherdstown, W. Va.

"When I received your SAL-VET my hogs were very unthrifty—but they did not stay that way long after feeding SAL-VET. I never had pigs do so well. They were soon in top condition. My horses also improved on it fine. It sure does get rid of the worms. Please send me another barrel at once."  
D. P. Copp, Carrol, Iowa.

"My experience feeding SAL-VET to hogs has been so satisfactory that I cannot recommend it too highly. This year, up to the 1st of June, we lost twenty head of young hogs. They were killed by worms. I tried all the remedies known down here, but every one of them failed. Finally I ordered some of your SAL-VET and began feeding it about the 9th of June. I tell you gentlemen, I have never in my life seen such a variety of such great numbers of worms as those passed from these hogs. Furthermore, we have not lost a single hog since they have had access to your SAL-VET. I really cannot see how any stockman can afford to do without this wonderful remedy."  
Ross C. Abbingdon, Mgr., Durin Plantations, Durin, La.

"While I cannot state positively SAL-VET kept my hogs from having cholera, I had no such sickness, while my neighbors almost without exception lost hogs from cholera. I certainly have great faith in SAL-VET and it is all and more than you claim for it."  
J. C. Conover, Chrisman, Ill.

"I had a lot of sick hogs and I lost five of them. I began feeding them SAL-VET, my losses stopped and the hogs soon got into a fine, healthy condition. SAL-VET did the same for my sheep and horses and several of my neighbors have had the same experience with it."  
V. P. Underwood, Roachdale, Ind.

Shipping Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_  
State: \_\_\_\_\_  
Number of Hogs: \_\_\_\_\_  
Number of Sheep: \_\_\_\_\_  
Number of Cattle: \_\_\_\_\_  
Number of Horses: \_\_\_\_\_  
I will pay the freight charge when it arrives. If it does not, you are to cancel the order.