

THE FARMERS MAIL AND BREEZE

Volume 42

March 8, 1913


Number 52



Home of a Kansas Dairyman Who is Making 10 Per Cent Per Acre on \$300 Land. See Page 6

TWELVE million farmers in the United States produce about 9 billions of wealth every year. To do this they borrow and pay interest on 6 billion dollars. Their annual interest charge is 510 million dollars. The rate is higher than corporations pay on poorer security, and double what European farmers pay. Would a farm credit system for the man who borrows to improve his farm and for the renter who wants to earn a home on the pay-as-you-go plan, be a good thing for this country? The Mail and Breeze proposes to keep its readers abreast of the movement. An article next week by the secretary of Nebraska's Rural Life Commission.

Third Annual Silo Number—Dairy Annex



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THE FARMERS MAIL AND BREEZE

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KANSAS BORROWS A GOOD IDEA FROM DENMARK

KANSAS has one cow-testing association in actual operation and another one about to be organized. Cow-testing associations are not an innovation at all, as there are about 120 in operation in the United States at the present time. These associations are patterned after the Danish system. The first cow-testing association ever organized in the world was in Denmark in 1895. The first association in the United States was formed at Fremont, Mich., in 1905. The first association in Kansas was organized at Abilene, in Dickinson county, last fall. It is called The Dickinson County Pioneer Cow-Testing association and was put into actual operation on January 4, 1913. Another association is about to be organized at Tonganoxie. Associations formed in Kansas and other states are organized by the state colleges and experiment stations, working co-operatively with the dairy



O. E. Reed.

ganization of at least 26 farmers who own in the aggregate from 400 to 700 cows and who desire to have a complete record kept on their cows throughout the year. The members of the association hire a man for a tester who is generally a graduate of the long or short course of some agricultural college. This man visits each member's farm one day out of each month. Hence there can be only 26 farms, one place for each working day in the month. The tester, in his monthly visits to each farm, weighs the milk given by each cow for one day, takes a composite sample of the milk, tests it with the Babcock test, and records the result. From these figures he is able to estimate the total pounds of milk and butterfat given by each cow for the month. He also weighs or estimates the amount of feed consumed by each animal for one day and thus gets an estimate of the cost of her keep

Co-operative Cow-Testing Under Way In Two Counties— What the Benefits Are

BY O. E. REED

Professor of Dairy Husbandry, Kansas Agricultural College.
Written Expressly for Farmers Mail and Breeze.

obtained is recorded in a herd book, gotten up especially for this purpose and furnished free of charge by the dairy division of the U. S. department of agriculture. Each member of the association has one of these books, and it is kept right on his farm where he can study or refer to it from time to time.

The association is financed by the members. Each member pays \$1 for each cow that he has on test. If a farmer has 50 cows in the association he will pay in \$50; if he has 15 cows he will pay in \$15. All the money subscribed in this way is kept in the association and is used to defray expenses, such as the salary of the tester, and other incidental expenses. The association at Abilene is organized on the basis of 400 cows. The one being organized at Tonganoxie is expected to have about 500 cows.

There are many advantages of a cow-

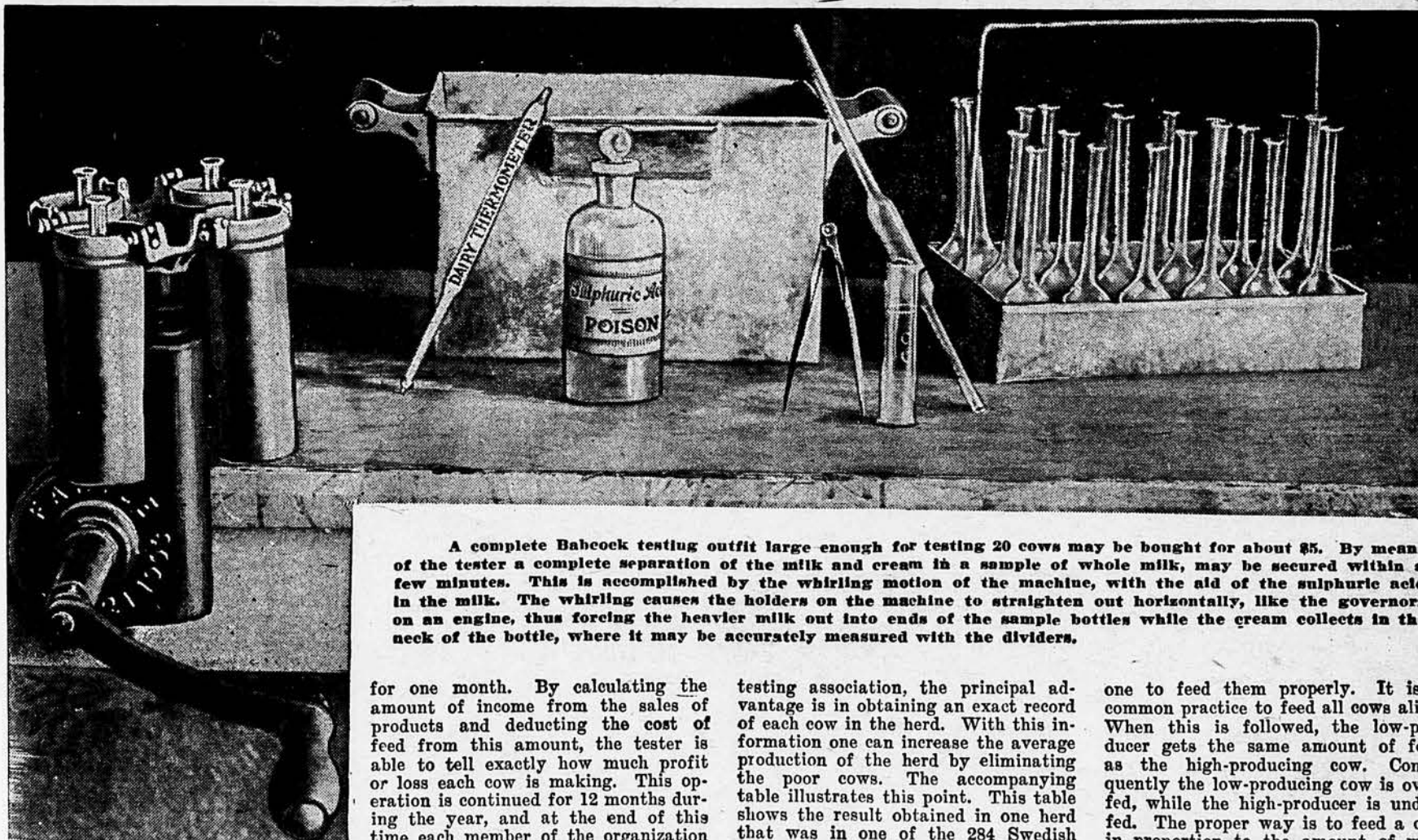
Testing Ave. No. Ave. lbs. Ave. 365 days. of milk test. per cow. 1899-'00.... 70 7,320 3.05 223 1900-'01.... 28 7,905 3.13 247 1901-'02.... 46 9,003 3.20 288 1902-'03.... 55 9,984 3.18 318 1903-'04.... 61 10,584 3.22 341 1904-'05.... 64 11,236 3.22 362 1905-'06.... 71 11,333 3.21 364 Increase... .. 4,013 141

It will be noticed that the average increase in production of milk per cow was 4,013 pounds and the increase in fat per cow was 141 pounds per year during the 7-year period, making an average increase of 20 pounds of butterfat per cow per year. This increase was obtained by discarding the poor cows and saving the heifer calves from the highest producers.

The average cow in Kansas produces 120 pounds of butter per year. The best cows produce more than this amount, hence some cows must produce less. Cows producing 120 pounds of butter cannot pay for the food consumed. If a cow does not produce a dollar's worth of products for each dollar's worth of food consumed, she is a poor investment. The food she eats had better be hauled to market. Cows of this sort are worse than boarders, for they eat up the profits made by the good cows.

Keeping records on cows also enables

one to feed them properly. It is a common practice to feed all cows alike. When this is followed, the low-producer gets the same amount of food as the high-producing cow. Consequently the low-producing cow is overfed, while the high-producer is underfed. The proper way is to feed a cow in proportion to the amount of milk produced. This usually means a greater profit on less food. The man who does the testing for the association is



A complete Babcock testing outfit large enough for testing 20 cows may be bought for about \$5. By means of the tester a complete separation of the milk and cream in a sample of whole milk, may be secured within a few minutes. This is accomplished by the whirling motion of the machine, with the aid of the sulphuric acid in the milk. The whirling causes the holders on the machine to straighten out horizontally, like the governors on an engine, thus forcing the heavier milk out into ends of the sample bottles while the cream collects in the neck of the bottle, where it may be accurately measured with the dividers.

for one month. By calculating the amount of income from the sales of products and deducting the cost of feed from this amount, the tester is able to tell exactly how much profit or loss each cow is making. This operation is continued for 12 months during the year, and at the end of this time each member of the organization will have a complete record on each cow and will know if the individual cows in his herd are kept at a profit or at a loss. All the information thus

testing association, the principal advantage is in obtaining an exact record of each cow in the herd. With this information one can increase the average production of the herd by eliminating the poor cows. The accompanying table illustrates this point. This table shows the result obtained in one herd that was in one of the 284 Swedish cow-testing associations for a period of seven years. This herd is owned by August Kinck of Beltagberga, Sweden:

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(Continued on Page 20.)

division of the U. S. department of agriculture.

A cow-testing association is an or-

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



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

PRESIDENT WOODROW WILSON.

Last Tuesday saw the inauguration of a new president of the United States. During the 124 years since the United States commenced doing business under the federal constitution 28 men, including Mr. Wilson, whose term has just commenced, have sat in the presidential chair, so that the average time of holding the office has been nearly five years.

Nine of the 28 have been re-elected, Washington, Jefferson, Madison, Monroe, Jackson, Lincoln, Grant, Cleveland and McKinley. Two presidents died from disease while in office, the elder Harrison and Taylor. Three were assassinated, Lincoln, Garfield and McKinley. The elder Harrison only lived a month after his inauguration. General Taylor lived about 18 months after taking his seat.

Only one of the vice presidents who succeeded to the presidency on the death of the president was afterward elected to the presidency, Theodore Roosevelt. The elder Harrison was the oldest man ever elected president, being 68 years old at the time of his inauguration. James Buchanan was next in point of age, lacking a little more than one month of being 66 at the time of his inauguration.

Theodore Roosevelt lacked nearly one month of reaching his 43d birthday when he succeeded to the office made vacant by the assassination of McKinley and was the youngest man who ever reached that high office.

President Wilson is about 57 and still in his mental and physical prime. While I did not vote for Mr. Wilson I have a great deal of faith in him and believe that he will make a great president. For many years he has been a student of government and is, perhaps, as well equipped theoretically to hold this, the greatest office in the world, as any man ever elected.

I am perfectly aware that a man well versed in the theory of government might prove a total failure as an executive, but I think Mr. Wilson has the executive faculty as well as the theory. I believe that he is honest and progressive, while at the same time he possesses the characteristic Scotch caution that prevents him from undertaking anything particularly radical or revolutionary. While he is a serious thinker, he possesses the saving grace of humor which I regard as essential to a really successful president.

Of course, nothing like an accurate judgment of Mr. Wilson's administration can be formed for at least a year, perhaps not for two or three years. It must be tried out in the melting pot of experience. He may fail, or he may not fail, but still fall below the expectations of his friends, but I have great hopes of him. And so should every patriotic citizen, regardless of past political affiliations, sincerely hope that the new president will make good.

Party names are of very minor importance. Results are what is wanted. So I fervently hope that his administration may be successful and that the

end of it may see the cause of human rights further advanced than the beginning. Here's to Mr. Wilson! He is my president and yours.

RECLAMATION OF ARID LANDS.

Some weeks ago I received a letter from a subscriber in Nebraska who lives on land included in one of the government irrigation projects, complaining rather bitterly of the management. This letter was published in the Mail and Breeze. There are, without doubt, other settlers who are dissatisfied, but this is the only complaint received at this office.

I have tried to get at the facts concerning these irrigation projects as well as I can without actually going and making a personal examination of the lands and government irrigation works. They seem to be briefly about as follows: The government has already expended about 77 million dollars on these irrigation projects and there was a short time ago some 5 million dollars more available. In addition to that under the act of June 25, 1910, a loan of 20 million dollars was authorized to be returned in five years by reimbursement from the reclamation fund and an additional loan of 30 million dollars is proposed.

Numerous private irrigation projects have been financed and put into operation. Speaking generally these have been where the irrigation was the least difficult, while the government projects have been where the most expensive and difficult problems had to be overcome. The government works seem generally to be better constructed than the works built by private capital, but notwithstanding that fact the average cost per acre of reclaiming the lands under government supervision is \$20 less than under private supervision. The average cost per acre of reclaiming lands under private management and with private capital is about \$65 per acre, while the average cost under government management has been about \$45 per acre.

All of which seems to be a pretty strong argument in favor of government ownership.

Another argument in favor of government ownership is that a good many of the private projects seem to be either on the verge of bankruptcy or already there. There is a permanency about the government that the private irrigation companies do not possess.

It is true, however, that the pathway of the farmers under either government or private irrigation has not always been smooth. Irrigation is a scientific business. People must learn how to irrigate or else they are full as apt to ruin the land, or at any rate make it unproductive for years, as to succeed. Too much water is worse than not enough. A great many settlers went on these lands with no previous experience and little means and some of them have been disappointed.

Another thing that has hindered progress seems to have been the spirit of speculation that is so common among the people of the United States. Lands that were practically worthless before the water was turned on and which need to be carefully cultivated after the water is turned on in order to make them profitable, suddenly jumped in price from almost nothing to \$75 or \$100 an acre.

Settlers discovered that they could make money faster and easier by selling relinquishments than by farming the lands. This era of speculation has been checked by the fact that the price of irrigated lands became so high that the buyers quit buying and as a result there is a lull in the rush to these lands.

That will right itself in time. Men will learn by experience how to farm by irrigation and make a success of it just as other men have made a success in the irrigated districts of Colorado and other states where they have learned the business.

There is nothing in the information I have received that seems to me to be discouraging or that argues against government ownership. On the contrary, as I have said before, the facts seem to vindicate the men who pushed the reclamation act through congress. The government work is better done as a rule than the private work and at about two-thirds the cost.

FAVORS A STANDING ARMY AND BIG NAVY.

Editor Mail and Breeze — I have read with much interest "Passing Comment" and the letters of correspondents. In last week's issue Frank Devel has something to say about the building of battleships, teaching men to kill, etc.

I do not think because we keep a standing army we are promenading around with a chip on our shoulder daring the powers that be to knock it off with the threat that we will knock the daylight out of them if they do. We are not itching for a scrap. It is peace we want and peace we love. His idea of using the money that is now used in building instruments of war in the reclamation of land sounds nice and would be a fine thing if things were different, but I have learned that we must meet the problems of life as they are, not as we wish they were.

Are there any reasons why we should have a standing army and navy? Let us see. We know that the history of the world is a history of war and bloodshed. Men have fought and killed each other until the world presents the picture of a vast slaughter pen. Scarcely half a century has passed since our own fair land was drenched in blood and this state merited the name of "Bleeding Kansas."

We boast of this grand country and feel that the stars and stripes float at the head of the column in the onward march of civilization. After us trail the less civilized nations, down to the savage and cannibal tribes. Yet in our own land we have a vast army to preserve peace. In every city you will find policemen armed with clubs and six-shooters, city marshals, sheriffs, deputies and constables and a host of other officers on the lookout for disturbers of the peace. Add to this the

state militia and you have an army that will compare favorably in size with the regular army. We are paying taxes to support all these men to protect us and preserve peace and nothing is said about this expenditure of the public funds. The necessity for such guardians of the peace and safety of the people is much in evidence.

Honestly, now, do we expect the outside world to be better than we are? Are not the army and navy a sort of peace patrol to guard our coasts and protect us from a foreign enemy? When we reach that stage in civilization where we can dismiss our policemen, sheriffs, marshals, etc.; turn our jails and penitentiaries into hospitals and orphanages; tear down our scaffolds; burn our electric chairs, and be at peace among ourselves, then it will be time to talk about disbanding our army and ceasing to build warships—and not until then.

I am for peace, and in spite of the fact that the roar of cannon and the clash of arms is heard just across the border line of our land, I believe that a golden age of universal peace is coming when the meek shall inherit the earth and delight themselves in the abundance of peace. I am inclined to believe when that time comes that a loving Creator, who orders the forces and laws of nature, will put on the finishing touches and the earth will become a paradise. The desert will blossom as the rose; the dry, thirsty land become a fertile field and there will be no need of an irrigation project.

Argonia, Kan. EARL BENJAMIN.

Mr. Benjamin has put up what is probably as strong and fair an argument as can be made in favor of a standing army and big navy, but he should be willing to carry the logic of his argument to its conclusion. It is based on the theory that peace can only be preserved by physical force; that we must be prepared to match force against force with any other nation on the face of the globe; that nations will refrain from attacking us only because they fear our power to whip them in a contest of arms. If so, then we should vastly increase both our standing army and navy.

We are not prepared for war with any one of the great powers. We have a sufficiently large army and navy to whip any third or fourth-rate power like Spain or Mexico or one of the Central or South American republics, but we are not prepared to go to war with Great Britain, Germany, France or even Japan.

Does Mr. Benjamin really think that these nations refrain from attacking us on account of our standing army or our widely scattered and poorly drilled state militia? It is true that we support a large number of policemen and other peace officers. It is a question that is at least open for argument whether our policemen on the whole do more harm than good. They seem to be used as often to protect the enemies of order as to protect the peace-loving and law-abiding citizens.

The story of police graft, of protection afforded to criminals and places of vice that is told in every great city of the country is enough to make a thoughtful citizen wonder whether or not our whole system of preserving internal peace is a mistaken and wrong policy. But without stopping to discuss that now the comparison between these supposed guardians of the peace and great standing armies is not well taken.

The theory of our local government is that there are a few evil-minded persons who want to break the laws made for the protection of the whole people, and that these few must be restrained by force. It is not the theory that the law-abiding citizen is in danger from other law-abiding citizens or that he needs armed protection from them.

Civilized nations are supposed to occupy the same relative relations toward each other that law-abiding citizens in each nation occupy toward each other. It therefore should not be presumed that these civilized nations are in danger of attack from other civilized nations or that they must regard each other in the same light that the law-abiding citizen regards the criminal whose business it is to prey upon society.

Mr. Benjamin has a beautiful dream of universal peace which is somehow to be brought about by everybody being suspicious of everybody else and continually prepared, nationally, to fight everybody else. But as I have said the logic of that is bigger armies and greater navies and results bear out this line of reasoning. Instead of armies and navies growing smaller they are continually growing larger. Germany builds a first-class battleship and immediately Great Britain prepares to build two, each one bigger than the one Germany has built.

We pursue a course that is neither one thing nor the other. We halt between two opinions. We half way grant that the only way to preserve peace is to be continually prepared for war and then keep up a standing army that is vastly larger than is necessary in times of peace, but which is not large enough to combat the vast standing armies of other great nations. We are like a man who assumes that his neighbor is ready to attack him and then prepares himself for the fight with a .22 pistol, while he knows his neighbor has a gatling gun.

Horace Greeley said a good many years ago that the way to resume was to resume. The way to have peace is to act as if you intended to be peaceful. It has been more than 1,900 years since the Nazarene preached the doctrine of peace on earth and good will to men. Today all of the great nations of the world, with the exception of Japan, are supposedly Christian nations, governed by the precepts taught among the hills of Judea and by the shores of Galilee, but while we mouth over those precepts we do not even attempt to live up to them. After 1,900 years of supposedly Christian civilization and teaching the standing armies of the world are vastly larger than ever before in history and armored battleships have multiplied until they almost outnumber the ships of commerce.

When are vast standing armies and great navies to bring about this era of universal peace? Is it to be

when the burden of taxation caused by increasing armies and navies has bankrupted the nations and paralyzed industry? Is it to be when these vast armies, useless in times of peace and hankering for activity and glory, have found some pretext to hurl themselves on each other and like savage dogs have chewed and bitten each other until bloody and torn they are forced to stop fighting on account of physical exhaustion?

BUMPER CROPS AND PRICES.

Editor Mail and Breeze—I was at Manhattan at the co-operative meeting, when a man got up and said that he did not see any need for farmers to co-operate. He said if the farmers would follow the Agricultural college advice and raise twice as much as they do now they would have plenty of money.

Now I would like to show such men that the farmer gets less for a bumper crop than he does for a small one. Take, for example, the crops of 1911 and 1912. In 1912 we raised 64 million more bushels of wheat than in 1911, but the whole crop sold for 34 million dollars less than the crop of 1911.

In 1912 we raised 644,537,000 bushels of oats, which was twice as much as we raised in 1911, but it was worth only 64½ million dollars more money, which was about enough to pay for twine and threshing; profit for farmer, 0. In 1912 we raised 138,647,000 more bushels of potatoes than in 1911, but the crop was worth \$450,000 less than the crop of 1911. In 1912 we raised 7 million more bushels of barley than in 1911, but sold the crop for 12 million dollars less money. In 1912 we raised 3 million bushels more flax than in 1911 and sold it for 5 million dollars less money.

You could follow all the crops the same way. These figures are taken from the December reports of the agricultural department. This shows that it is no use for the farmer to try to raise twice as much crop unless the present market system is changed.

I think it is about time for the farmers' institutes to begin to teach the farmers how to sell their crop more profitably and then they will begin to take more interest in raising bigger crops.

Richmond, Kan. HERMAN LICKTEIG.
I think Mr. Lickteig is in error in some of his figures. I have before me the Crop Reporter for February, 1913. This publication is issued by authority of the secretary of agriculture and under the head of "Farm Values of Important Products," page 14, I find the following quotations on February 1 for the past six years: Corn on February 1, 1908, was quoted at 56 cents per bushel; February 1, 1909, 61.4; 1910, 65.2; 1911, 49; 1912, 64.6; 1913, 50.6.

Wheat on February 1, 1911, was quoted at 89.8 cents per bushel and on February 1, 1912, at 90.4 cents per bushel. May wheat closed last Saturday in Chicago at 92¼ cents per bushel. Barley sold at 64.1 cents per bushel on February 1, 1911, and at 91.2 cents per bushel on February 1, 1912.

Potatoes brought 55.1 cents per bushel on February 1, 1911, and 94.4 cents per bushel on February 1, 1912. In every case the price was higher on February 1, 1912, than on the same date in 1911.

Oats were quoted at 33.1 cents per bushel on February 1, 1911, and at 47.5 cents per bushel on February 1, 1912. Flax, it is true, sold for an abnormal price in 1911, about \$2.34 per bushel, and is quoted at less than half that price today, but that was not the result so much of a larger yield as of other causes.

If Mr. Lickteig will take the trouble to study statistical tables for a series of years he will find that his conclusion that the bigger the crop the less it brought in the market is wrong. He might pick out some years when a large crop brought a smaller return than a light crop brought on another year, but that is not true as a general proposition.

However, in one thing Mr. Lickteig is right. The farmers of this country are weak on the selling end of their business. Too often they are forced to sell at a time when the market is the worst. While the consumption of wheat, for example, will not vary greatly from month to month, the bulk of the wheat raised is dumped on the market within a few weeks. At any rate the bulk of it goes out of the hands of the wheat raisers. The inevitable result is that the price of wheat at that season falls.

The farmer sells, in other words, on the lowest market. When the market is best, as a rule, he has no wheat to sell. The same may be said of his other crops. What he needs is a system by which he may distribute his sales so as to keep the market steady and get the benefit of a regular price. It is a wrong system that permits the market price of wheat to vary 25 or 30 cents a bushel in the course of an ordinary year. The remedy is not in raising less crop, but in getting a better control of the market.

A WORD FROM AN ARIZONA PROGRESSIVE.

Editor Mail and Breeze—In the currency plank of the Progressive national platform we find these words: "We believe there exists imperative need for prompt legislation for the improvement of our national currency system. We believe the present method of issuing notes through private agencies is harmful and unscientific. The issue of currency is fundamentally a government function and the system should have as basic principles soundness and elasticity. The control should be lodged with the government and should be protected from domination or manipulation by Wall street or any special interest."

Now, this is very plain language. Mr. Roosevelt and those who support him must have meant just what it says or they would not have used language that was so plain. Notice that it says the method of issuing notes through private agencies is harmful and unscientific. Well, if not through private agencies, then how? Why through the public or government agencies? I can imagine no other way. I think it will be admitted that all classes contribute their share in making the government credit good. If that is conceded, then the credit of the government belongs to all the people. If that is ad-

mitted, has not the government committed an outrageous piece of class legislation by giving a small class a monopoly of that which belongs to all of the people, the public credit?

We have been informed that the government issues to the private agencies notes up to 90 per cent of the value of their securities at a cost of one-half of 1 per cent on their notes. Is that so? If it is, all right. Just let it stand as it is. Don't touch it. Don't even blow your breath on it. Let it alone, but have congress in addition arrange to have notes issued through public agencies to all classes upon good security at the same cost. If one-half of 1 per cent is enough for one class to pay for its notes, justice would demand that other classes pay no more.

In a recent article you pointed out that the world's indebtedness is 120 billion dollars, with as much as 6 billion dollars annual interest. In heaven's name we ought to knock out as much of that interest as we can. The principal will be hard enough to pay, to say nothing of interest. And then to be told that the principal is growing bigger and the interest higher every year is discouraging, to say the least.

We have been told that it is the intention of the creditor class never to allow us to get out of debt, but as fast as our productive power increases, to increase our debt. Is that so or not? Can they do that in spite of us or not? If the grasping crowd has got the wealth producers in debt to them 120 billion dollars it sort of looks like it. Who knows?

At first I was opposed to issuing notes through municipalities and associations, but you have got me converted on that point. I see that you are right, but still think that we ought to have government banks upon broad enough terms so that municipalities and individuals could all be accommodated upon equal terms. Without government banks it seems to me we would be left too much in the grip of private agencies.

Make this bully old government of ours stand ready to do as much for us as it has done for private agencies if we demand it. In that matter let us all be Johnny on the spot.

Yuma, Colo. W. H. INGLE.
In one matter Mr. Ingle seems to be slightly misinformed. Formerly national banks were only permitted to take out 90 per cent of the face value of the bonds deposited by them to secure circulation, but the law has been changed so that they may take out 100 per cent—that is, they may receive back in

There are still too many useless officials, clerkships and commissions usually created for the benefit of political grafters.
—ARTHUR CAPPER.

the form of currency the full face value of the bonds deposited.

It is true that government bonds sell for a slight premium, 2 per cents selling for about 1 per cent premium, and to that extent the banks deposit more than they get back in the way of currency.

I have no objection whatever to the establishment of government banks, or rather to the extension of the powers of the government postal banks. I think, in fact, that they would be a great convenience in the matter of handling the government loans either to the municipalities or to individuals.

MR. RORK ON GOVERNMENT MONEY.

Editor Mail and Breeze—Of our six political parties, four demand government money in their platforms; yet, when we propose to have the government coin legal tender and use it to pay its current expenses, and "to relieve the pressure of 10 men and eight jobs," by fitting up tracts of land where all who wish can work co-operatively without being legally robbed, and to help the people by lending its legal tender on the bonds of cities, counties and states, to make public improvements, as you proposed in the case of the horse scourge, we are asked, "What are you going to put back of that money to make it good?"

When the government gives a man a deed, there is nothing put back of that deed to make it good, except the power of the government to carry out its agreement. When the government puts the mark or stamp on gold, silver or paper, and agrees to release any debtor who presents that stamp to any creditor in the United States, nothing is or can be put back of that stamp to make it good except the power of the government to release the debtor from his obligation to a man whom he owes, just as it agreed to.

Congress did not place its legal tender stamp on gold or silver to make the stamp good but to give the owners of the bullion absolute control of all business and all wages and all interest, and to help them to organize private banks and issue from \$3 to \$20 of bank debts, called bank bills, for every dollar of legal tender invested to redeem these bank debts, making from 300 to 600 per cent interest by lending their debts over and over, at big rates of interest on what they owed.

This infamous trick of giving some men control of what all men and nations must have, so they can legally rob all other men, was invented by an Englishman in 1694 and copied by us in 1792. Its sole object was and is the universal enslavement of all producers to enrich a few thousand people who own the few stamps we made and gave to them.

When we adopted this root of all evil, the private control of money, the government of Venice had been carrying on war, making her public improvements, and doing the banking of the world for 600 years, without public debt, tax, tariff or interest, simply by cashing her current expenses. If Smith built a \$100 canal, the government paid him \$100 credit, legal tender for all debt, and transferable by him to any man he owed. She never had a panic and her growth was the marvel of the world.

During the war we did the same thing by paying out \$1,800,000,000 of legal tender greenbacks, good as gold. But congress played hell by also making these legal tender greenbacks a United States debt by making them payable in coin. As legal tender it was always worth \$1, as debt, it fell to 33½ cents.

One day a war widow had to pay \$3 of these greenbacks for \$1 worth of sugar, but on the same day she paid a \$1 sugar debt with a \$1 greenback. Why? Because in paying the debt the stamp was legal tender and the government released her from \$1 of debt as it had agreed to do. But in buying

the sugar like apples or butter, the legal tender stamp was nothing but a commodity, and like any other commodity or debt was worth just what the grocer saw fit to give her—in this case 33½ cents, for the wise ones said, "The debt is so great it can never be paid," and the widow believed it. The government had nothing to do with it.

Bankers flourish on debt so congress burns up millions of greenback debts and replaces them with 6 per cent debts called United States bonds which fell to 28 cents, and the grocer was happy, for he swapped \$10,000 worth of sugar for \$30,000 of greenback debts, which were legal tender for bonds at 28 cents, and he had \$100,000 of 6 per cent bonds.

Then the government told him to back up his cart and it would give him \$100,000 worth of bank bills for nothing and he lent them for \$50,000 or \$100,000 of interest, every cent paid by the producers—and the producers have got onto the racket. They have found out that nothing but the power of the government to release a debtor ever was or can be placed back of legal tender; that there never was a cent of legal tender; that we never did the government a cent of interest on legal tender; the bankers not pay a cent of interest and that we pay them billions of interest on what they owe us.

If these statements are true every man must stand by the present movement to secure government money without interest. In the time of the war it would have done the government no good to coin all the gold in the earth for it gives away its stamps on gold as fast as it makes them, but it sold every stamp on paper for \$1 of fighting or of gunboats and saved the country. That was government money, though cursed by being made a debt, a thing that will never again be allowed.

M. V. RORK.

Truthful James

"I have been readin' the story of that tumbleweed that traveled from Dakota to Texas and then back again from Texas to Dakota," remarked Truthful. "There's people who will doubt that story, but I don't. The fact is, between you and me, I'm the feller who started that tumbleweed on its journey from Dakota south and I caught it when it was a boundin' along on its way north to the pole."

"In the early days it was a common method of communication out in that western country. I knew one feller who left his girl out on the staked plains of western Texas while he went up to Dakota with a herd of cattle. He had to stay with them cattle for two years and there wa'n't no postoffice within a hundred miles.

"One day a happy thought struck Pete. He saw a tumbleweed boundin' on its carefree way over the prairie goin' south. He roped it and wrote a touchin' note tellin' of his love, tied it to the tumbleweed and turned it loose.

Three days after that his girl was ridin' across the Texas prairie, when she saw a tumbleweed car:in along on its way south. She noticed that there was a piece of paper tied to it and her curiosity excited she stopped the weed and found that the paper was a love letter from Pete. She was overjoyed. She took the tumbleweed to her humble dugout and after perusin' the letter from Pete she wrote ov reply, pinned it on the weed and the next day when the wind turned and commenced blowin' from the south, she sent that weed on its way. In three days it hit Pete's camp.

"That was the beginnin' of a tumbleweed correspondence between them two souls that beat that lasted all summer. Once a week Pete received a message by tumbleweed from Susan Jane and once a week Susan received a lovin' letter from Pete. It would have been all right if it hadn't been for a pesky goat down near Dodge City, which stopped the weed one day and et up both the messenger and the message.

"Not hearin' anything from Pete, Susan Jane concluded that his love had grown cold and finally married a long-haired cow puncher from up near Mobeeta. Pete, not hearin' from Susan Jane, concluded that she had thrown him down and took to drinkin' the far-reachin' brand of liquor that was sold in that part of Dakota and as a result while foolin' round the campfire one day his breath caught from the flame.

"For a few minutes Pete was a reglar spoutin' volcano, the fires from his interior belchin' out of his mouth and ears, but it didn't last long. In the course of 30 minutes all the inside of him was burned out, leavin' him but an empty shell. There was no regular undertaker within 150 miles, but the other cow punchers did the best they could. They stuffed Pete's empty skin with baled hay and buried the remains on the lone prairie. It was a sad endin' of a beautiful romance."

Fables Up-to-Date

A large fat dog was afflicted with a multiplicity of fleas. He complained about the way in which they were feeding on him, when the leader of the fleas remarked, "What are you kickin' about? Don't you know that we are an evidence of prosperity? While we stay with you, you are fat and prosperous. We furnish you with plenty of work. If it were not for us you wouldn't be busy half the time."

"I am aware," said the dog, "he scratched his right side to dislodge one bunch of fleas and bit at his left side to get rid of another covey that were feeding there, 'that you make plenty of work for me, but as long as you are getting all the blood and I am doing all the work, I can't see where I am getting anything out of the deal."

The parasite who lives off the substance of others often tries to create the impression that he is essential to their prosperity by creating a demand for what they produce.

MAKING 10 PER CENT PER ACRE ON HIGH PRICED LAND

ONE OF the most attractive drives in Kansas, doubtless, is the road running west from Topeka, which is a continuation of West Sixth street. It is a macadamized road. In a few places it is paved with brick. The country is attractive. It is rolling in contour and furnishes a beautiful landscape on both sides of the Kaw river.

After leaving the attractive suburban district, one passes the well kept grounds and fine buildings of the State Insane Asylum. Beyond this to the south of the road is Gage's Park, Topeka's most beautiful playground, with its imposing entrance, its fine flowers, trees and shrubbery, its stretches of green, its artificial lake and its zoological collection. And then come fine farms and farm homes. Some of these are owned by business men living in Topeka, but for the most part they are owned by men who are making their living upon the farms as farmers.

One of the finest of these farms is the Parkview Farm of Mr. O. E. Walker. It is directly opposite Gage's Park on the north. It is not a large farm, only 120 acres, but it is one of the finest farms in Shawnee county or in Kansas, and in proportion to its size it is doubtless one of the most profitable. The grounds around the buildings are quite extensive so that the amount actually under cultivation is a trifle under 100 acres.

This article is written with the idea of illustrating what can be done on a comparatively small farm by a progressive, business farmer. It was, of course, a good farm to begin with, but not exceptionally so for Kansas. Tens of thousands of farms in the state have equally good advantages in soil, water and drainage. It has better markets than the average, but considering the large amount of capital tied up in the form of expensive land this is a doubtful advantage. The farm is valued at \$300 per acre. This is due to its proximity to Topeka. It is just about 3 miles west of Kansas avenue, the main business thoroughfare of the city.

This is not a city man's farm. Mr. Walker is a farmer, though he is also a thorough business man, as the successful farmer must be. Few men are better known in Topeka. He owns property in Topeka and elsewhere. I don't know how much of it. I do know that he owns buildings on Kansas avenue, which, with the ground it occupies, is valued at about \$50,000. He also operates 59 acres of land devoted to truck farming in Florida. Some of this Florida land is valued at \$500 per acre. But it was by plain farming that Mr. Walker made the money invested in these outside enterprises, and he has made it all in a little more than a quarter of a century. And even if he were a city farmer that would not change the fact that he produces the crops he does produce on this farm, nor that the farm is highly profitable. For there is a suspicion that city farmers do not always make a profit.

Mr. Walker has a herd of Guernsey cattle which forms the basis of his farming operations. The farm may be said to be a dairy farm, though like most dairy farms it produces much else besides milk and cream in the form of crops and other kinds of livestock.

The herd is not large. It numbers about 30 animals. Mr. Walker had been milking grade cows and registered cows of another breed until about a year ago, when he decided to take up the Guernsey. This breed is not common in Kansas and the Parkview herd, though not large, is probably the largest of its kind in the state. As is well known the Guernsey is fawn and white in color. All who admire the dairy

An Up-to-Date Kansas Dairy Farmer Who is Doing An "Impossible" Thing

BY E. W. RANKIN
Of Farmers Mail and Breeze

type of cow agree that the Guernsey is a beautiful animal. She is, of course, smaller than the Holstein and somewhat larger than the Jersey.

The Guernsey cow is noted for her quiet disposition. The Guernsey is an excellent performer from the point of view of milk and butterfat production. The milk is more highly colored than that of other breeds. Her native home is the Island of Guernsey, whose area is only about 12,000 acres. It is the Guernsey cow that made the Island famous.

Mr. Walker first went to Waukesha county, Wisconsin, the great center of the breed in this country. There he bought several excellent animals. Later he attended a sale of the famous Arcady Farm at Lake Forest, Ill., owned by Arthur Meeker, a member of Armour & Company. He has more recently purchased several additional animals from Waukesha county.

While Mr. Walker wants the best, so far as breeding and individuality are concerned, his chief aim is a practical one, and on this basis the herd is making good in a splendid way. He is selling more than \$6,000 worth of milk annually in Topeka, some of it at wholesale, some at retail, and as his delivery wagon stops at my house every morning, I can vouch for the excellence of the milk. No account is taken of milk consumed by three families on the farm. For the milk sold at retail he gets 8½ cents per quart. There is no trouble about demand. The chief trouble lies in turning away customers. Remember that all this is from a milking herd of 25 cows in all stages of lactation. The price he gets per quart is not exceptional. It is, in fact, the usual price. Milk sells in Topeka for from 7 to 10 cents per quart. It is all very simple, no mystery about it. It is simply a case of having good cows and of good farm management.

Of course the cows and other stock on the Parkview Farm consume a lot of feed in the course of 12 months. And here is the most interesting feature of the farm. Practically all the feed is produced on the 100 acres which are in pasture or in crops. Mr. Walker has not spent more than \$50 for feed this season. A year ago he spent less.

You pretty nearly know, without my saying so, that he believes in that great Kansas combination, alfalfa and silage. Mr. Walker raises big crops of corn and of alfalfa on a limited acreage. I remember to have visited Mr. Walker's farm nearly four years ago, when the first alfalfa crop was being cut, in company with Mr. F. D. Coburn. Standing in the middle of the alfalfa field, Mr. Coburn, the leading authority on this crop, said that he had never seen a finer crop of alfalfa. Mr. Walker also grows big crops of corn, most of which is turned into silage. He raises large crops per acre in most years because he believes in good tillage and in manure. He is producing crops three times as large as when he bought the farm, due to the fact that he uses all the manure produced on his own farm, and when any neighbor is foolish enough to have manure to spare he gets that also.

Mr. Walker is an enthusiastic dairyman. He be-

lieves that no state is superior to Kansas as a dairy state, and he looks upon dairy farming as furnishing a splendid opportunity to young men of ambition and intelligence. He doesn't believe either that the work is difficult or irksome—for one who likes it. No, Mr. Walker does not have trouble in securing competent help.

There are other sources of income from Parkview Farm besides the milk sold. Mr. Walker sells hogs on the market, all raised on the farm, to the value of more than \$1,000 annually. Last fall he sold \$700 worth and has now 63 head in his pens. A few weeks ago he sold a pair of mules 3 and 4 years old, raised on the farm, for \$450. A year ago last fall he sold 12 mules for \$2,400, all raised on Parkview Farm. It should be said that the mules and colts are, in part, pastured on an outside farm, but the feed is produced on the farm. Mr. Walker has not fed fresh alfalfa hay this winter to his mules and colts. After the hay fed to the cows is partly picked over it is given to the other animals. The cows are the primary consideration on this farm, of course.

Mr. Walker is making 10 per cent net on a valuation of \$300 per acre. That is doing remarkably well, though Mr. Walker doesn't seem to think so. He says he could do better if he gave his farm his undivided attention. He has gone to Florida this week, where he will spend two months looking after his Florida farm.

The arrangements at the Parkview Farm in the house and in the barns are of the modern order. The house is heated with a combination of hot water and hot air. The house is lighted, and cooking and ironing are done, with Blau-gas, a new product first produced in Germany. A silo was built four years ago. The floors of the barns are of concrete. The barn is equipped with modern stalls and with stanchions and a litter carrier. Mr. Walker believes in warm water for milk cows in winter and heats water in a concrete tank for this purpose. The beautiful character of the grounds is indicated in the illustration, which forms the cover page of this week's Mail and Breeze.

Of course, Mr. Walker has an auto, a five-passenger car. Within 30 days he will have an auto delivery car. Mr. Walker is an exceedingly busy man, but he believes in recreation. He and Mrs. Walker traveled 7,000 miles for pleasure in the United States and Canada last year. He is now planning a trip to Panama.

RAISING DAIRY COWS FOR SALE.

There are many localities in which sufficient grain cannot be grown to finish cattle for market, but in which plenty of feed can be raised to bring cows up to 3 years old in good condition. Such localities should turn their attention to raising dairy cows for the market. A good dairy cow 3 years old and about to bring a calf can be put on the market for far less money than the fat steer of that age, and in most localities such a cow, if of good milking stock, will bring as much as the steer. Many dairymen are finding this out and more and more of them are raising cows for sale, cows that they can guarantee and which will make money for both buyer and seller.

This winter the grain belt states west of the Missouri river have been buying dairy cows by the carload from dairy states like Wisconsin. Yet the man who cannot buy purebred dairy cows or even dairy grades, may still own a good dairy herd in a few years if he will breed his best milkers to some other man's first-class dairy bull and raise the calves.



SOME OF MR. WALKER'S GUERNSEYS ON HIS PARK VIEW FARM, SHAWNEE COUNTY

Studebaker



"Your new wagon's a Studebaker?"

"Sure! I bought a Studebaker buggy, too."

"Well, there's no better made. I'm driving a Studebaker myself."

Confidence—the feeling that back of the mechanical excellence of the wagon and the buggy is the Studebaker name and reputation made this conversation possible.

For the man who buys a Studebaker wagon or buggy is always proud of it. He knows he has the *best*.

And he also knows that the entire Studebaker organization will steadfastly uphold the guarantee that goes with the wagon and buggy.

For sixty years the Studebakers have enjoyed the confidence and good will of the farmer. Other wagon makers have come and gone, but Studebaker has kept right on making honest wagons and selling them at honest prices.

One standard of quality—the best—has made this possible. A wagon never leaves the Studebaker shops until it has been tested and retested to make sure it is up to this undeviating Studebaker requirement.

And the Studebaker standard is inflexible. Take the one item—wheels—hubs and spokes are stored for three years, inspected at every step of manu-

facture. Spokes turned from billets, cut with slope shoulders, so as to strengthen the shoulder, hubs treated with a sealing fluid which penetrates the wood and gives it a stubborn weather-resisting quality. Tires made—one for every wheel—not kept in stock sizes and forced on. Hub boxing made, so spokes can't ride on the boxing, spokes counter-sunk on felloe face so the load doesn't rest on the end of a single spoke. Little details, it is true, but attention to these details have made the Studebaker wagon what it is—the strongest, most dependable wagon made.

It is the absence of these little details that makes the cheap wagon possible, but the cheap wagon isn't a Studebaker, and it will neither give the service nor stand up to its work like a Studebaker.

The farmer who knows wagon values sticks close to the Studebaker dealer. He's a good man to know, for back of the Studebaker wagon is the reputation and integrity of the Studebaker organization.

Studebaker makes every kind of vehicle—for town or country, for business or pleasure. Farm wagons, contractors' wagons, trucks, delivery and business wagons, buggies, runabouts and surreys, and for every animal and every vehicle there's a Studebaker harness of the same high quality as the Studebaker wagons.

See our Dealer or write us.

STUDEBAKER

South Bend, Ind.

New York City
Minneapolis, Minn.

Chicago, Ill.
Salt Lake City, Utah

Dallas, Tex.

Kansas City, Mo.
San Francisco, Cal.

Denver, Colo.
Portland, Ore.

JAYHAWKER FARM DOIN'S

BY H. C. HATCH, GRIDLEY, KANSAS.

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

The ground under the snow and sleet is not frozen and the dry ground will drink up the moisture as fast as it melts. It is very likely that for the next three months there will be little complaint of drouth. The subsoil is very dry and we need continued rains to fill the wells up again.

Light falls of snow or rain at different times during the winter have kept the top soil in good condition for plowing but under the first 6 or 8 inches the ground is drier than it has been since 1901. There are many who now look for a series of wet years to compensate for the last three dry ones but no man can tell what the weather is going to do.

Continued winter laying by the hens has brought the price of eggs down to lower figures than they have sold for at this time of the year for a long time. It is the opinion of many that the continued winter laying will be followed by a few number of eggs during the spring and that we are now having as low prices for eggs as we shall have for some time.

At present egg prices in the cities, they are cheaper than any meat that can be bought and no doubt consumption will soon be greatly increased. The season for incubators is close at hand and more will be used on the farm. This will tend to cut down the receipts and make them hold up to present prices, at least. Today eggs bring 15 cents per dozen in Gridley and there is no pound of meat which contains as much nutriment or is as palatable as a dozen of eggs.

Were the income from poultry suddenly cut off in this part of Kansas we would soon find a wonderful difference.

CLEAR HEADED

Head Bookkeeper Must Be Reliable.

The chief bookkeeper in a large business house in one of our great Western cities speaks of the harm coffee did for him. (Tea is just as injurious because it contains caffeine, the same drug found in coffee.)

"My wife and I drank our first cup of Postum a little over two years ago and we have used it ever since, to the entire exclusion of tea and coffee. It happened in this way:

"About three and a half years ago I had an attack of pneumonia, which left a memento in the shape of dyspepsia, or rather, to speak more correctly, neuralgia of the stomach. My 'cup of cheer' had always been coffee or tea, but I became convinced, after a time, that they aggravated my stomach trouble. I happened to mention the matter to my grocer one day and he suggested that I give Postum a trial.

"Next day it came, but the cook made the mistake of not boiling it sufficiently, and we did not like it much. This was, however, soon remedied, and now we like it so much that we will never change back. Postum, being a food beverage instead of a drug, has been the means of banishing my stomach trouble. I verily believe, for I am a well man today and have used no medicine.

"My work as chief bookkeeper in our Co.'s branch house here is of a very confining nature. During my coffee-drinking days I was subject to nervousness and 'the blues.' These have left me since I began using Postum, and I can conscientiously recommend it to those whose work confines them to long hours of severe mental exertion." Name given by Postum Co., Battle Creek, Mich.

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

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

in income and outgo. As it is, the poultry pays practically all store bills for most farm families and the income, while largely from eggs is not from that source alone. During the last year one firm of poultry buyers in Coffey county has shipped 32-cars of poultry. We feel mighty friendly toward the hen even if she does fly in our face when we meet her in the doorway to the barn.

Most of the corn which has been sold here this fall and winter has been in the ear. It is most convenient for the majority of feeders to have it delivered in this way and we have always thought that the buyer got the long end of the deal besides when he got 70 pounds of ear corn for a bushel. It is seldom that Kansas corn has 14 pounds of cobs to the bushel and tests we have made show that 12 pounds is nearer the mark. In some deep grained varieties there is not more than 10 pounds of cobs to the bushel if the corn is dry.

A personal letter received today says that it is about time for the average farm paper to get up steam on the seed corn question. Our friend is no doubt right; the seed corn article will soon make its appearance. It usually comes with the first blackbird from the South and it increases in numbers as spring advances about as fast as the blackbirds do. The average town farmer, when he can think of nothing else to write about, always tackles the seed corn question.

The facts are, as our friend states them. He says that corn raised in Kansas and Oklahoma and kept under cover is practically sure to grow. We are all familiar with the clumps of corn that come up every spring wherever an ear of corn has been plowed under; this shows that corn can lie in the ground and stand a great degree of cold. But the best of seed cannot long stand wet and hot weather. If a farmer is unlucky enough to plant just before a big rain and it turns off hot right after, his corn fails to grow well and then we hear a howl about the ignorant farmer.

Every Kansas farmer, who raises corn in the field instead of in his mind, knows that the Kansas corn yield has been cut down more in the last 20 years by too much of a stand rather than by too little. Rather than have one stalk every 16 inches in the row we should prefer one every 30. If we have a stalk every 20 inches we have enough for any season and if we have one every 2 feet we have enough for any average year. But this kind of a stand looks thin when it first comes up and many who like to see corn cover the ground in a hurry plant from 12 to 14 inches apart even when they know better. They are hoping for a wet season in which case they may hit it.

We notice in the Medford, Okla., Star an account of a farmer in Gore township who tried to thresh his Kafir stalk and all. He was soon forced to give it up as there was too great a bulk of stalk to go through and make any headway. Years ago this way of threshing was tried here by many who did not like to go through all the motions of heading, stacking and then threshing. All of them gave it up as a bad job before many shocks had been fed through. One man tried to thresh the grain off by holding the heads against the cylinder teeth and when the grain was all off throw the bundle down and hold up another. He soon tired of that and since then all have stuck to the heading process here. In this locality a good deal of Kafir now goes into the silo which softens it up so that there is not much waste in feeding which is about the best and cheapest way of handling it we know of.

Moving day for the renters is right upon us and the indications are that they

will have muddy roads, as usual. The public sale season also is about at a close by March 1 although there are always a few belated ones held after that date. High prices are still being paid here for all forms of farm property and a large proportion of the amount realized is in cash. The usual interest rate charged on sale notes here is 8 per cent while for cash paid on time sales a discount of 2 per cent is usually allowed. This makes an interest of 10 per cent for the cash buyer and most of them seem to have money to take advantage of it. At one sale held in this county last week the property sold brought \$5,335 and of this all was paid in cash except \$39.50. This shows that Coffey county farmers still have some money left.

We note certain advocates of the "farm adviser" are becoming peevish because of the opposition the plan has encountered. Now if the Kansas farmers do not want the so-called adviser, why push him onto them? Two-thirds of all the troubles this world has ever seen have been caused by people who thought they had a license to run the other man's business or religion. Some advocates of the plan paint in glowing colors the benefits to be derived from such an adviser; they would have him able to do all the veterinary work in the county, be able to lay out all tile drain lines; act as exchange for all deals in livestock between farmers of the county, and be able to advise on any farm matter that might come up even if the matter in question had never been agreed upon by the very men who had educated the adviser. This is fine to read about, it is true, and could we imagine that the getting of such a paragon for about \$1,500 per year was a certainty we should be for him strong. But in reality we fear that so much knowledge could not be had for the money; he would be like the leading man which we once heard in the old Boyd's opera house at Omaha.

We were a boy then and the opera was the "Little Tycoon." The leading man sang a song that tickled the boys in the gallery immensely and they would not let him go. He sang verse after verse and still the applause continued. Finally he held up his hand and gazed up into the gallery: "Say," he said, "how much do you fellows expect for 25 cents?" And as we said before, we fear the would be like this actor; we fear that he would weary of dispensing so much wisdom and activity for \$1,500 per year and would turn on us shortly and say, "How much do you fellows expect for \$125 per month?"

Farmers For the One House Idea

These resolutions were adopted the other day by the farmers of Berryton; Shawnee county at an institute meeting:

Be it resolved by the Berryton Farmers' institute that we look with favor upon the steps being taken to call a convention of the people of Kansas to consider the advisability of amending the state constitution so as to abolish the so-called upper house in our legislature.

We hereby request our chairman to appoint five delegates and five alternates who shall hold themselves in readiness to attend said convention when called.

Whereas, Experience has taught us that useful legislation is often prevented and vicious legislation promoted through the influence of paid lobbies, and

Whereas, The referendum will give the people the power to veto vicious legislation, and the initiative will give the people the power to defeat the efforts of corrupt interests which so often obstruct and prevent needed legislation, and

Whereas, The Kansas state senate refuses to pass a fair, practicable, workable bill making it possible to have a just initiative and referendum law placed upon our statute books, now

Therefore, Be it resolved, by the Berryton Farmers' institute, that we demand that our state senate make good its solemn pledge to the voters of the state. We give solemn warning that we shall be satisfied with nothing less than a fair, workable law.

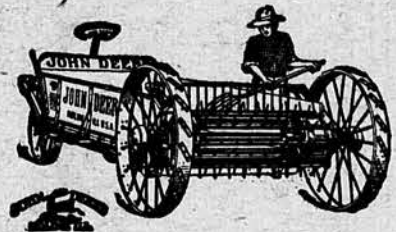
If the politicians think they are fooling the farmers they are going to be undeceived shortly.

The proposed one-house legislature is a Kansas idea that is catching on. It is intended to center the responsibility in fewer men, to stop the political jockeying between houses and make it easier for the public to watch legislation and the legislature.

Professors of economy figure that the annual cost of tuberculosis in the United States is \$1,235,000,000. The scourge claims 155,000 lives every year.

JOHN DEERE SPREADER

The Spreader with the Beater on the Axle



Mounting the beater on the axle is the greatest improvement in manure spreaders since their invention. It has made the John Deere Spreader possible. This feature is fully patented and cannot be had on any other spreader.

Simplest and Strongest

A great many trouble-giving working parts have been done away with. There are some two hundred less parts on the John Deere Spreader than on the simplest spreader heretofore.

The John Deere Spreader has no clutches, no chains, no adjustments. It does not get out of order. It is always ready for business.

The strain and stress of spreading is on the rear axle, the strongest part of the spreader—where it belongs—not on its side.

Roller bearings, few parts, the center of the load comparatively near the horses, and the weight distributed over four wheels, make the John Deere Spreader light draft.

Only "Hip-High"

The John Deere Spreader is only "hip-high" to the top of the box. The first three feet you lift manure are easiest of all. It's



hard work from there to the top of ordinary spreaders.

You lift each forkful only three feet with the John Deere Spreader.

Wheels do not interfere with loading. The inside of the

spreader is available for that purpose.

Spreader Book Free—Tells all about manure, when and how to use it, how to store it and a complete description of the John Deere Spreader. Ask us for this book as Package No. Y 12.

JOHN DEERE PLOW CO.

MOLINE, ILLINOIS



PATENTED COLUMBIA BATTERIES

The Percherons of Dry Batteries.

HONEST HARD WORKERS

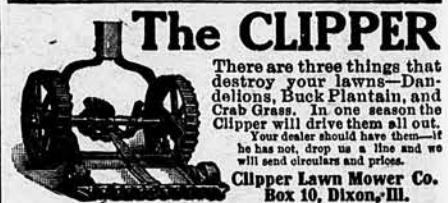
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You deserve COLUMBIAS and you will get them if you insist. All first class dealers have them. For gasoline engines, tractors, autos, bells, telephones, barn lights and every battery service.

National Carbon Co.

Cleveland, Ohio

Factories in U. S. and Canada
Fahnestock Connections without extra charge.



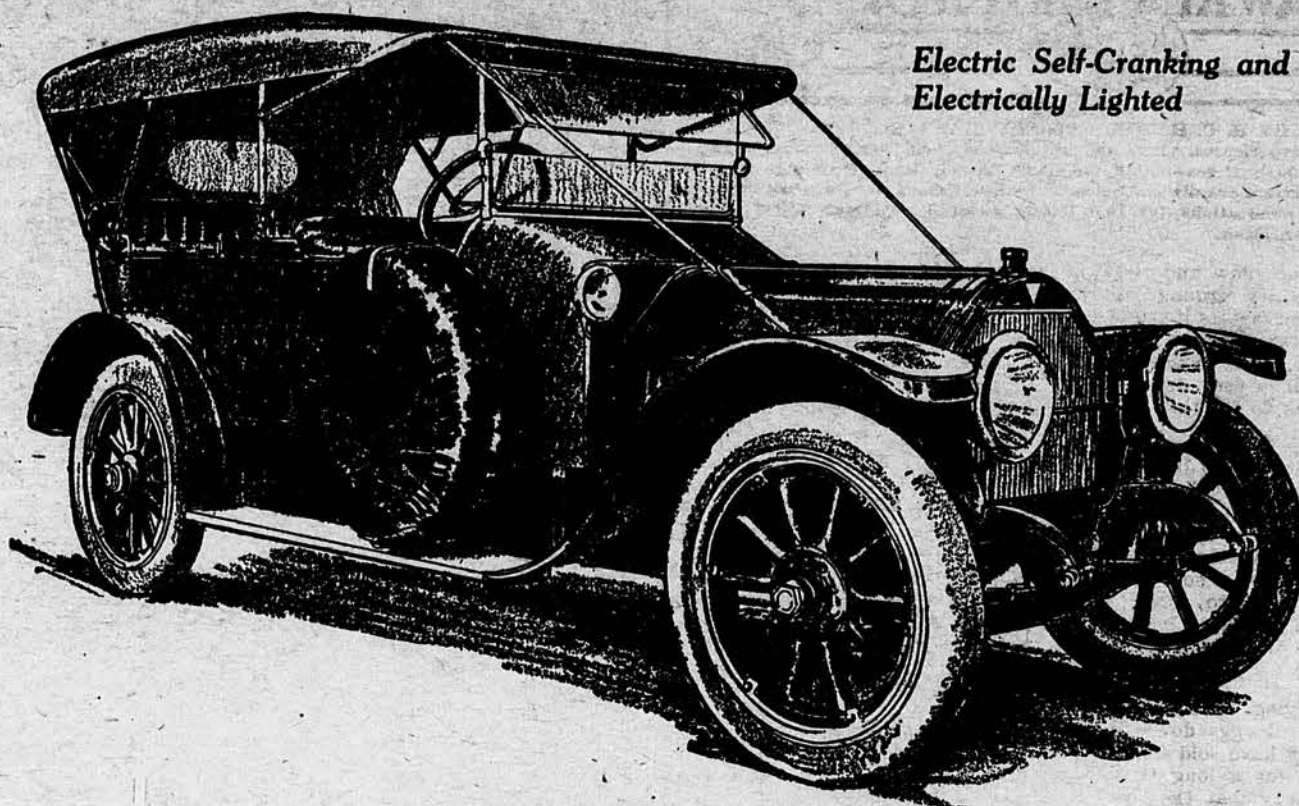
There are three things that destroy your lawns—Dandelions, Buck Plantain, and Crab Grass. In one season the Clipper will drive them all out. Your dealer should have them—it has not, drop us a line and we will send circulars and prices.

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FREE WATCH, RING AND CHAIN

Our fully guaranteed, stem wind and set richly engraved watch, proper size, and brilliant 8-stone ring, are given FREE to anyone for selling 20 jewelry articles at 10c each. Order jewelry now; when sold send \$2.00 and we will send you watch, ring and handsome chain FREE. HOMER WATCH CO., Dept. 100 CHICAGO



*Electric Self-Cranking and
Electrically Lighted*

"54" Phaeton \$2450 Complete

These Only Are The Cars You Should Buy



While there are approximately 250 different makes of automobiles on the American market, it is not so difficult to choose a car that will prove satisfactory. Your neighbors tell you of their experiences. The dealers speak in highest terms of the cars they sell. You are appealed to from practically every angle to consider the advisability of this car and that car.

But in all this there is apt to be much confusion as to what car can really be trusted unless you bear in mind easily understood conditions that often result in selecting the very car you should not have bought.

If you will bear these facts in mind in weighing the guarantee of each car it will save you much worry.

These Are The Cars You Should Not Buy

Cars offered at a cut price should never be purchased. Just think what effect a cut price has upon the second-hand value of the car when you want to sell it. In reality the apparent price reduction means no more, so far as actual value is concerned, than does the offer of a quoted \$25 suit of clothes at \$14. The suit never was worth \$25, it is out of date or the dealer is losing money.

If the dealer is so poor as a business man that he will sell cars at no profit, he is an unsafe man with whom to trade.

Every time a dealer fails he does inestimable injury to the manufacturer in shaking the confidence of the people of the community in the car and also depreciates the market value of your car.

Be sure also that the manufacturer is prosperous. Be sure he has had years of successful experience. New companies may have a well designed car, sufficient capital

and the intention to give generous values, but are unable to always produce just what they intend because a smoothly working organization of men cannot be quickly perfected.

A Car You Can Trust

Howard E. Coffin, America's foremost engineer, and his board of engineers—48 in all—combined in building the new HUDSONS.

The "37," the four-cylinder car, is a masterpiece of its type. The "54," a Six, is offered as the equal of any motor car ever built at any price.

Road performance, comfort of riding, deep, luxurious seats, small maintenance cost, long service without attention further than lubricating and cleaning are distinctive qualities.

With 48 experts, each a specialist in some feature of motor car construction, you can

see how improbable it is that anything essential to value, comfort or service can have been overlooked.

Several thousands of these cars are now in the hands of owners. They are giving satisfactory service over every kind of road. Many have been driven thousands of miles without even requiring the use of a screw driver, wrench or hammer to make adjustments or repairs.

Don't expect to buy a HUDSON at a discount. You must pay just what your neighbor pays—no more, no less.

Send for catalog of either the "37," which sells at \$1875, or the "54" the Six, at \$2450. The prices are f. o. b. Detroit. Or go to a HUDSON dealer and he will prove their value in a hundred different ways.

Bodies for either car are furnished in Touring car, Phaeton—five-passenger—and two-passenger Roadster. Cars are fully equipped with electric self-starter, electric lights, speedometer, clock, windshield, top, demountable rims, extra rim, tire holder and everything needed ready to operate.

Important Notice

All the leading makers find this year, because of the unusually fine weather of the past winter, that they have more orders than they have cars.

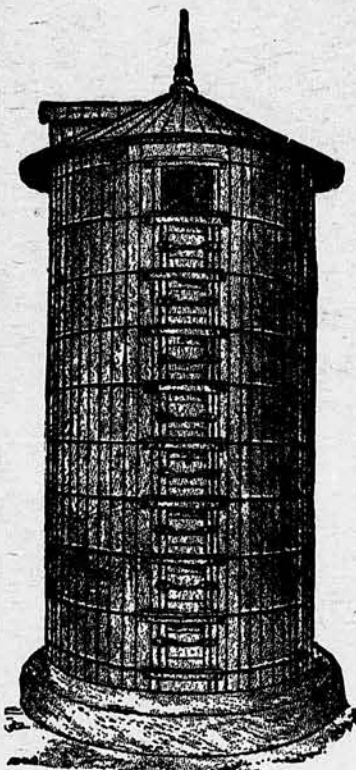
Therefore whatever car you choose should be ordered now. Otherwise you will not be able to get any of the makes it would be safe for you to buy.

See the Triangle on the Radiator

Hudson Motor Car Company

7603 Jefferson Ave., Detroit, Mich.

Free-Free-Free



To any reader who will cut out and return this advertisement, we will mail absolutely FREE OF CHARGE

A Deere Stick Pin

together with our latest pamphlet entitled

"Facts and Figures on Silos and Silage"

This pamphlet tells how you can own a King Corn Silo by simply turning in as payment what you now throw away.

KING CORN SILOS have:

- Three bar hinge doors, with non sag hinges;
- Z bar all steel door frame (used only on the KING CORN);
- Adjustments made from either side of door frame ladder;
- Bessemer steel anchorage;
- Special Deere Patent inside reinforcement.

We Insure—Galvanize—Creosote

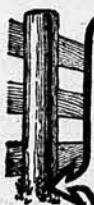
John Deere Plow Co.
KANSAS CITY, MO.



This is the
Reinforced
Concrete
Silo
we built for
the
Kansas State
Experiment
Station
at
Manhattan

The wall is 6 inches thick, of poured concrete reinforced with steel rods. This is the most permanent and satisfactory silo that can be built. We will be glad to send you a list of the people who are using our silos and any other information we can furnish.

HOPPER & SON,
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Prevents Rot

Fence posts will last twice as long if they are treated with
AVENARIUS CARBOLINEUM
(Registered)

Guaranteed to preserve all wood in or above ground. One gallon covers 800 sq. ft. Freight prepaid. Circular free. Beware of imitations.
Carbolineum Wood Preserving Co.
Dept. 112 Milwaukee, Wis.

Once More

MAIL AND BREEZE readers haven't squandered many postage stamps as yet in responding to the inquiry in regard to a farmer's office, set on foot recently by this paper. But, of course it is early. There is until March 24 to send a letter. Though in this inquiry, or contest if you have a mind to call it a contest, the advice to "do it now", which in this case means write it now, holds good. Another thing: Persons under 21 years old should not write as their letters cannot be considered. Those who do write need not state their ages, if they do not wish to, but they may say, at the end of their letters, that they are more than 21, which will be considered satisfactory evidence they are within the age limit.

The typewritten letters the Mail and Breeze frequently receives from its readers are proof that some farmers are using office conveniences on the farm. This has led to the interesting series of questions which have prompted this inquiry:

(1) Is other office equipment, as well as typewriters, doing duty on farms in Mail and Breeze territory?

(2) Will the introduction of office conveniences be of help in enabling a man who is farming to increase his profits?



Second Prize.

(3) Would it be well for a farmer to have a room or corner of a room for a farm office?

(4) If so what office conveniences that you know of will be of help to him?

(5) Will preserving his correspondence, keeping copies of the letters he writes, using the typewriter when he writes letters, be of value to him in securing the confidence and attention of persons with whom he may deal, besides helping him to keep track of farm matters at home?

(6) Do you know of, or have you heard of any farmer who has an office, or who uses modern business conveniences and methods?

This is not a whim of the Mail and Breeze. For sometime the Mail and Breeze has believed an inquiry of this sort among its readers would bring some interesting facts to light and it would like to have your assistance in the inquiry for the reasons given. The value of the inducements offered indicate how welcome it will be. The questions need not be answered categorically. They merely indicate the nature of the information wanted.

For the best letter on the general subject as outlined in the questions the Mail and Breeze will give as—

First prize—A new Smith Premier typewriter of the very latest model and make, which has a cash value of \$100.

Second prize—A roll top desk, suitable for the needs of a farm office.

Third prize—A two-drawer vertical filing cabinet in which may be kept letters, catalogues and bulletins needed in conducting the business of the farm.

Fourth prize—A two-drawer card filing cabinet for keeping cards showing the costs of certain crops, the returns from various fields and sales of livestock, the pedigrees of the breeding animals on the farm and other details for which a permanent memorandum is needed.



Fourth Prize.

It is suggested that the facts contained in each letter be based upon the writer's own or some other farmer's experience so far as possible, although if you have had no experience, but can see where such office conveniences and a farm office would help you, a letter about that will do.

Two Kinds of Good Corn

One of the things of late years which has been checked up beyond any guesswork is that there are two kinds of good corn. An ear of the one kind may in every way resemble an ear of the other, they may have grown in the same field, at the same time, on the same soil and within a few feet of each other, yet the seed from one ear will produce a great deal more corn to the acre than seed from the other because it is more prolific. This has been found true not only of corn but of Kafir, milo, wheat and other grains.

A marked trait of the seed which is high in prolificacy is that it is a more vigorous sprouter than the low-yielder. It will make a more perfect stand and weather more hardships during the growing season. In default of other methods of seed selection, just common ordinary seed-testing will go far to point out these high-yielding prolific ears, or Kafir heads, as the case may be.

It is seldom necessary to test the seed corn of Kansas and Oklahoma to see if it will germinate, but it will always pay big to use seed from your most prolific grain, just as you would breed from your best livestock. Make a trial of it this year.

One pound of grain for every 3 pounds of milk produced is the commonly accepted winter feeding ratio among business dairymen.

A calf's inside "workin's" are sensitive and easily upset. A single feed of milk, too hot or too cold, may start trouble.



First Prize.



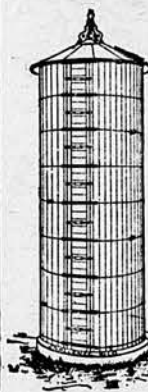
Third Prize.

Only 10¢



"Modern Silage Methods"

1913 copyrighted edition just off the press. Send for this 254-page book of profit-producing information—the most complete work on this subject published. Tells facts you ought to know about silos and silage—used and endorsed by many agricultural colleges—over 45 illustrations—indexed—a wealth of useful information for the practical farmer. Chapters on—"How to Build Silos"—"How to Make Silage"—"How to Feed Silage"—"Silage System and Soil Fertility"—"Silage Crops in Semi-Arid Regions"—All about Summer Silos, use of Silage in Beef Production and many other points. Ninth edition now ready. Send for your copy before too late. Inclose 10c in coin or stamps and mention this paper.
Silver Mfg. Co., Salem, Ohio



Challenge Silos WHY?

Best for your money. Anchors (both top and bottom.) Inside Blace. Steel bound door opening. Doors can't bind; always in place. True and Smooth inside. No steel parts in contact with Feed. Lumber: The best to be had. Catalogue No. 60 FREE.
CHALLENGE COMPANY,
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Solid reinforced concrete silos, concrete elevator and grain tank silo forms for sale. Write for prices giving sizes required. Phone 1768 White.

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Topeka, Kans.

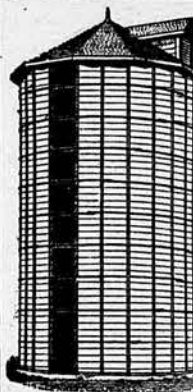


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Buy the Right Silo at the Right Price and save from \$25.00 to \$50.00 on the cost of your silo.

Made from the best of material and shipped on approval. Send for free catalog and price list.

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270 Endicott Bldg., St. Paul, Minn.



When You Are ready to investigate the silo question, won't you write—and let us tell you of the quality in the

Minneapolis Panel Silo

The silo entirely different from all others. Wood or tile.

Puffer-Hubbard Mfg. Co.
2700 32nd Ave. So.,
MINNEAPOLIS, MINN.

ELECTRIC Steel Wheel Handy Wagons Are Big Money SAVERS!



22-Cal. HUNTING RIFLE GIVEN

1913 Take-down Pattern, with all latest improvements, walnut stock and grip. Shoots accurately 22 long or short, handsome, durable. **SEND NO MONEY** Just send your name and address for my easy plan by which you can secure this fine rifle absolutely free Express Prepaid. Write today.
H. A. SLOAN, 62 Epitaph Building, SPENCER, INDIANA

water which has been well warmed by the tank heater, than to try to warm their bodies with extra feed. This year being an open winter, most of the ensilage has been fed in the bunk and the alfalfa in the shed adjoining the hay barn so that a minimum of work has been required to feed the cows. The young heifers have grown nicely all winter and are in good flesh, being given what ensilage they will eat and a chance to clean up the alfalfa stems left by the cows during the time the cows are in the barn for milking.

The colts, both mules and horses, have made very satisfactory growth and are



One of Mr. Randolph's silage-fed Jersey calves. "My stock is all fed silage," he writes, "except the boy and he drinks milk made from silage."

in good condition. They had some ensilage, a little Kafir fodder and a feed of alfalfa each day. In the winter of 1911 and 1912, we were short of alfalfa and found that the colts' ration was nicely balanced by enriching the ensilage with bran. With the bran poured over it they ate practically every particle of stalk, made good gains and kept in good condition with little else than ensilage and bran.

We are seeing that in other years, our stock as well as our milk cost us more than it should because we fed

in the fall giving us a chance to top dress this land with the manure right from the barns. Like most farmers, we have found that plowing manure under is not always the best thing for the crop to come. Even with the manure spreader, the soil will be too loose for the best interest of the growing crops, but with the top dressing, we can come nearer having the best conditions for our crops than we have ever been able to do before. With all help considered, rent and all, we figure the ensilage cost us something more than \$2 a ton in the silo and it certainly is the cheapest feed we have ever used. The silo is 14 by 32 and this year will form the greater part of the ration of the 30 cows and heifers, and a considerable part of the ration for the dozen colts and young horses. The work horses relish a feed of ensilage occasionally and with a feed of alfalfa once a day, we have abundant cane, Kafir and prairie hay to winter them.

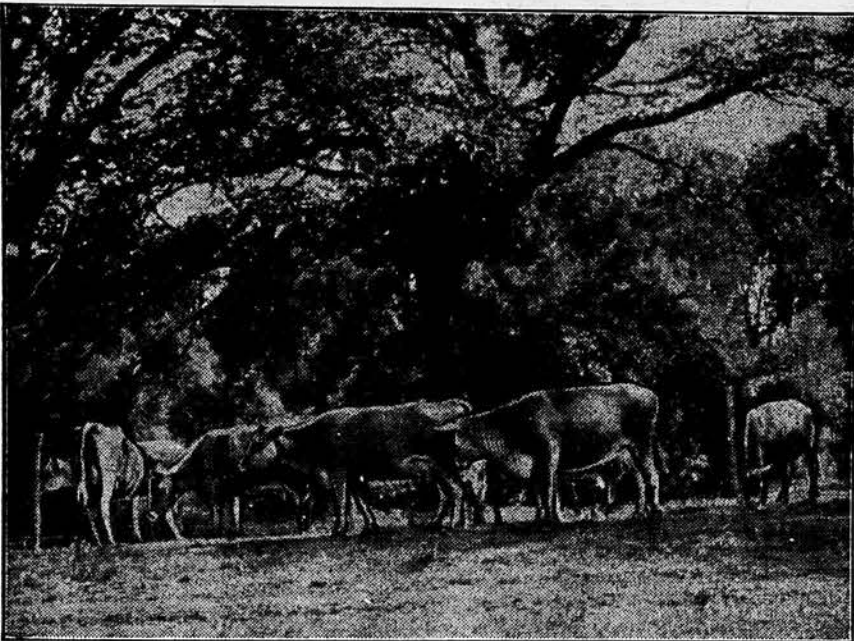
A Lyon County Silage Ration

BY GEORGE H. RANDOLPH,
Emporia, Kan.

[Written for Farmers Mail and Breeze.]

WE ARE feeding silage to a small herd of registered Jersey cows. The daily ration for each cow is 30 to 40 pounds silage and what alfalfa hay they will eat. Also a mixture of 3 parts corn chop, 2 parts bran, fed 1 pound to 4 pounds of milk produced. The yield of milk is at present 25 pounds daily for each cow.

In June, 1910, I had built a thin wall expanded metal-lath cement silo, 15 by 30. It was the first and, so far as I know, is the only one of the kind in this county. Mr. Hinman, then with Kansas Agricultural college, superintending the work. This silo has been filled three times and up to this time I have had no cause to regret choosing this kind of a silo. In August, 1912, I had another cement silo built. This is 12 by 30, with walls 6 inches thick. It was filled in September and to all appearances both feed and silo are in first-class condition. This new silo has not been opened yet as I have no pasture



Mr. Randolph feeds his herd of Jerseys on Riverside Farm 30 to 40 pounds of silage per head daily with what alfalfa hay they will eat. He gives also a mixture of 3 parts corn chop and 2 parts bran, feeding 1 pound of this mixture to 4 pounds of milk produced. His milk yield at present is 25 pounds per day from each cow.

them more alfalfa than is necessary where ensilage is provided.

In the spring of 1912, we had about 20 acres of good rye pasture and having less stock than last year had 6 or 8 feet of silage left. When we began filling last fall, 6 or 7 inches of the top had spoiled but the stock ate greedily the ensilage that was given them. This coming spring we plan to keep the gates shut between the feed lot and the pasture and empty the silo, giving the poor old pastures a chance to get a better start than they have usually had. We are certain that we can grow more stock on the place by taking better care of the pastures. The silo has taught us the value of corn to supplement the pasture after the middle of July.

Another way in which we find that the silo is going to help toward better farming, is that the ground from which the silage is cut can be plowed early

and expect to feed it out through the summer. The cost of these silos was \$300 each, without roof. They were built 4 feet in the ground and where drainage is good. I should advise making all cement silos 4 or even 5 feet below the surface. As to which is the better of these two cement silos there is apparently no difference and one contemplating building should be governed by conditions as to labor and material. You need some kind of a silo if you have more than 15 head of cattle to feed. A stave silo if you can't have cement.

A company of five of us who have silos bought a silo filler and we hire a man with steam engine to run it. Work outside was charged for at 10 cents per ton for use of the filler. The cost of filling silos will vary considerably. On this place it costs \$1 per ton. Silage should be cut fine. It will pack closer in the silo and stock will eat it better.



"Olympic" (Illustrated)—\$1500

55 H. P. four-cylinder touring car, completely equipped. Electric starter and lights are optional, at an extra cost of \$225.

"Majestic"—\$1975

45 H. P. four-cylinder touring car, completely equipped and fitted with electric starter and lights.

"Sultanic"—\$2650

55 H. P. six-cylinder touring car, seven-passenger, completely equipped and fitted with electric starter and lights. Five-passenger, \$2500.

First Among Comfortable Cars—And Why

You've made up your mind that you want comfort in your car this year.

And you know the Jackson has always been a comfortable car.

In view of this reputation, and the experience back of it, we believe we are justified in saying that this year—more than ever before—the Jackson stands first among easy riding cars.

This experience goes back eleven years in the automobile industry; and twenty years farther in the carriage building business.

There we learned the value of full elliptic springs; so we use four on every Jackson model.

There we learned that high seat backs and soft thick cushions are easiest riding; so we build Jackson seat backs to shoulder height, make the cushions 10 inches thick and

tilt them a trifle toward the rear.

Long wheelbases and large wheels and tires help make the car ride easier. All Jacksons have long wheelbases and large wheels and tires.

Our engineers do their share toward comfort by determining the right weight and balancing it correctly; by providing enough power, and a reserve; by designing a mechanism that is silent, faithful and durable.

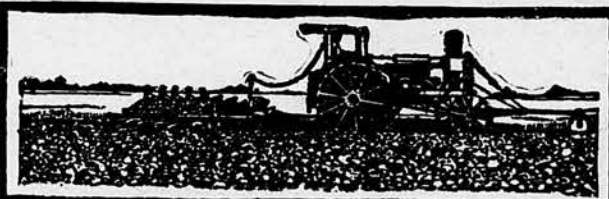
Comfort has been a hobby with us for years; and we give you the maximum result of our experience and study and experiments in these Jacksons.

Write today for his name and the handsome new catalog.

Have the Jackson dealer give you a ride over your own roads.

JACKSON AUTOMOBILE COMPANY,

1415 E. Main St., JACKSON, MICH.



One Man or Boy, Alone, Can Run This Avery Plow Outfit

You don't need any plowman with an Avery "Self-Lift" Engine Gang. The plows are handled entirely by power taken from the plow wheels. Pull a cord at the ends of the furrows and the plows lift out of the ground—turn around, pull the cord again and they drop back in.

This wonderful Avery "Self-Lift" Engine Gang puts all the Hand Lever Plows all out of date. Saves you the wages and board of a plowman. Saves you all the hard, back-breaking work of lifting and lowering the plows by hand levers at the end of each furrow.

And with an Avery "Self-Guide" attachment you don't even have to touch the tractor steering wheel from one end to the other. Just sit there and watch the outfit run. Plowing is certainly play with an Avery "Self-Guide" Tractor and "Self-Lift" Plow.

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"Light-Weight"
Tractor and
"Self-Lift" Plow

Get Tractor Farming Facts, Free

Tractor and Plow Book tells you about them. Also tells about the wonderful "Light-Weight" of Avery Tractors—the 12-25 H. P. weighs less than 7,500 pounds, the 20-35 H. P. less than 11,500 pounds, and the 40-50 H. P. only 20,000 pounds. Shows why they are the simplest Tractors built. Explains all about the Avery Mutual Benefit Selling Plan of Sold on Approval Terms. Strong Guarantees and Low Prices. Write—get all the facts—ask for Avery 1913 Complete Tractor Book with Power Farming Facts, full information about Avery "Light-Weight" Tractors and "Self-Lift" Plows and the Avery Mutual Benefit Selling Plan. Address
EVERY COMPANY, 1013 Iowa Street, PEORIA, ILLINOIS
Also manufacturers of Avery Steam Traction Engines, "Yellow Fellow" Grain Threshers and Gasoline Farm Trucks.

Make More Money By Power Farming Like Others Are Doing

Power Farming with an Avery Outfit is a Proven Money Maker. Definite cost records kept by owners prove a saving of half and more of the expense of horse plowing, also a big saving in harrowing, disking, seeding, harvesting, hauling, grading and other work. You can raise bigger crops by tractor farming—plow deeper and do all your work better and at just the right time. Also save hard work for yourself and make farming more interesting for your boys. You can get an Avery Outfit to fit any size farm—12-25 H. P. Tractor pulling 3 to 4 plows and plowing 10 to 12 acres per day, for small farms—20-35 H. P. pulling 5 to 6 plows and plowing 15 to 18 acres per day, for medium size farms—40-50 H. P. pulling 8 to 10 plows and plowing 25 to 30 acres per day, for large farms.

BUY HARNESS FROM MAKER—SAVE 1/3 TO 1/2

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You not only save one-third to one-half when you buy Harness from us, but you get the best Harness in the world; made by expert harness makers, in a splendidly equipped shop, from the best materials money can buy. Every Harness built on honor and sold direct with but one small profit between maker and user. Get our big Harness Book before you buy. Free—Send today. E. & M. Harness Shop, 18 E. 4th St., St. Joseph, Mo.



Here's My New 1913 Model Galloway Spreader That I Want To Ship To Your Farm FREE!

No payment down—no bank deposit—no lease, notes or mortgages—no red tape or obligations of any kind whatever. I'll ship you this new, 1913 Model Galloway right to your farm for 30 or even 90 days trial absolutely free. I'm going to make this spreader prove its worth to you without a word of argument on my part whatever. Here's the way I'll do it: I'll put the spreader on your farm for a 30 to 90 days trial absolutely free. I'll put it right straight up to you. Figure out a series of tests that would make scrap iron and kindling out of any other spreader made—then try them on the Galloway. Load it up as full as she'll hold with the toughest, tramped down or frozen slough hay manure. Let your team trot and slam it in gear! Do you think that there is one other manufacturer in the world that would dare to hint at such a test as that? You know there isn't! But if you can think of a severer test, go ahead. I'll take all the risk and let you be the sole judge. If you think you can possibly get along without the Galloway after you have had the free trial, just send it back to me. I'll pay the freight both ways—you won't be out one cent. If you want to keep it, I'll guarantee to save you \$25 to \$50.



Get My Big 1913 Proposition NOW!

Four years ago I started working on the biggest, finest and most daring plan I've ever offered. Now I've got it perfected. I can't explain it here—there isn't room. But if you'll write me at once I'll tell you how you may get one of my 1913 Model Spreaders partly or entirely without its costing you one cent. I won't ask you to do any work—any collecting or any canvassing. It's the fairest, cleanest, most amazingly generous, co-operative plan that you or anybody else ever heard of. Write me and I'll tell you all about it.

My Regular \$1 Book—"A Streak of Gold"—FREE

One of the most valuable books any farmer ever held in his hands. Explains fully, in plain language, how to make manure the greatest money crop on the farm, how to spread it, care for and use it. I'll send it free, also my 1913 Spreader Catalog and full details of my 1913 proposition. Send a letter or postal. Wm. Galloway, Pres. WM. GALLOWAY CO., 209 Galloway St., WATERLOO, IA. Spreaders in stock at Chicago, Kansas City, Minneapolis, Council Bluffs, Winnipeg.

"Baby beef" is bringing Ozark farmers \$50 per head profit in one year



If there is one thing that emphasizes the special advantages in the Ozarks for stock raising, it is the unusual success and big profits which farmers there are making with baby beef. Good stock, after one year's feed, is bringing them \$50 per head profit!

Here is the plan that the Ozark farmer is following to get such profits. He buys up good grade calves at \$15 to \$20 a head (providing he doesn't raise them himself). Then, instead of letting them "mosey along" until the second year with just enough rations to keep them in good trim, he starts feeding them for quick flesh gains right away. The calves are put on flesh-producing field grasses until after corn is harvested; then the shocks, with a little extra now and then, keep them going until January. That leaves only three months of winter feeding (for pasture is green again by April 1st).

By that time the beef will weigh around a thousand to twelve hundred pounds easily, and will top the market at \$8 a thousand or more. The feeding, on account of the short winter and other advantages in the Ozarks, doesn't cost more than \$25 per head, all told—that's a clean profit of around \$50 from every baby beef.

It's a mighty profitable business, and Ozark farmers are not slow to take it up.

Baby beef is just one way of making money in the Ozarks. It is just one example going to show why all kinds of stock raising is so profitable in the

Ozarks. Hogs, for example, bring Ozark farmers around 5 cents a pound profit, because they cost so little to produce per pound—only 2½ cents, or less. Sheep make \$12-per ewe easily, and Ozark dairymen are getting \$8 to \$10 per cow per month, regularly.

The reasons for these profits are easy to understand. The Ozarks have very mild, short winters—good pasture from April 1st to January 1st—only three months of winter feeding. Right there is a mighty big cut in costs.

The soils of the Ozarks will grow practically every variety of grass, and forage crops—alfalfa, peanuts, cowpeas, corn—all the quick-fattening products.

The Ozarks have an unlimited supply of pure water, splendid drainage and a healthful climate that keeps stock sickness down to the minimum.

The Ozarks are right at the doors of St. Louis, Kansas City and Memphis—big markets offering the very highest quotations for all kinds of stock and farm products.

But all these advantages mean more when it is realized that good land can be bought now in the Ozarks at \$12 to \$15 per acre. It's a proposition that deserves any man's serious thought and investigation right now!

A free book for you!

It's not the kind you can pick up anywhere. Double sized pages, 75 actual photo pictures of farms—some in full color. Written by a man who knows farming. Takes up the Ozark sections, county by county, and describes the farming conditions there. Also tells actual experiences of Ozark farmers. I haven't many copies of this book on hand; please drop me a postal to-day for your free copy.



FRANK ANDERSON, Director of Development, 1504 Frisco Bldg., St. Louis, Mo.



Choosing a Dairy Cow Only One Test That is Infallible

Editor's Note.—To be able to write clearly and readily is an art that will stand anyone in good stead. Kansas Agricultural college was one of the first schools to make provision for teaching students to write on farm subjects. The two articles following were awarded first and second places in a recent competitive exercise for senior dairy students.

[Awarded First Place.]

WE CANNOT select dairy cows by type alone. A record must be kept. A good dairy type or form is only one of the points of a good dairy cow just the same as a good pedigree. Breeds are valuable because they carry a greater certainty than the animal will transmit dairy qualities. The final test, however, in selecting a dairy cow is the Babcock test and the scales.

One of the first things to look for in a dairy cow or heifer is capacity and the broad muzzle, capacious udder, and large barrel that are its indications. Then she must have the dairy temperament, that is she must use her feed in producing milk and not for body fat. She should have a strong, vigorous constitution.

In buying a cow it is always important to watch for and avoid all kinds of diseases. Then, too, the cow must be a breeder and must not be so old that her usefulness will last only a

These same rules of selection will hold true either in breeding or buying cows. However, in buying you will generally have to base your selection on type alone and afterwards get rid of the unprofitable producers as high-producing, tested cows ordinarily sell at prohibitive prices.

Winfield, Kan. D. H. Branson.

Kansas Has the Best Aged Cow

BY O. E. REED,

Professor of Dairy Husbandry, Kansas Agricultural College.

[Written for Farmers Mail and Breeze.]

Maid Henry, No. 54878, a purebred Holstein cow owned by the Kansas Agricultural college, completed her last yearly official record December 6, 1912. During the 12 months she produced 19,600.4 pounds of milk and 716 pounds (estimated) of butter fat which is equivalent to 835.5 pounds of butter.

The average test for the year was 3.65 per cent, which is a good average record for a cow giving this amount of milk. While this record is not as large as some that have been reported, it is large enough to place Maid Henry among the 40 Holsteins that have made more than 700 pounds of butter in a year.

The most remarkable thing about this record is that Maid Henry is an old



Maid Henry and her year's work.
(Notice the "Milk Shape")

	Pounds Milk	Pounds Fat
Dec. 6-31, 1911.....	1,629.0	59.133
Jan. 1912	2,179.8	78.909
Feb.	2,019.8	76.954
Mar.	2,102.9	75.074
Apr.	2,005.8	71.005
May	1,843.3	67.465
June	1,579.9	55.612
July	1,108.2	42.777
Aug.	1,167.0	41.429
Sept.	1,163.4	43.305
Oct.	1,316.0	51.324
Nov.	1,276.6	45.830
Dec. 1-6, 1912.....	208.7	7.367
Totals	19,600.4	716.274

year or two. It is better to select tried and proved cows than untried heifers even if the expense is a little more at the start. It must be remembered that the dairy cow is an artificial, special purpose animal, and that constant care must be used to keep her to the high level that she has already reached.

Eldorado, Kan. W. E. Gilmore.

Combine Type and Production.

[Awarded Second Place.]

The two factors to be taken into consideration in the selection of the dairy cow are type and production. The relative importance of these two factors is often the subject matter of disagreements between judges who count one of more importance than the other. The best plan seems to be a proper combination of the two.

When we select a dairy cow we want an animal which will produce the largest possible amount of milk or butter fat as the case may be, and at the same time reproduce these same characteristics in her offspring. Select a type which shows qualities of high production and adhere as closely as possible to it. It is practically impossible for any bull to sire a uniform bunch of calves, which will all become reasonably good producers, out of a herd of cows that vary greatly in type. While he will probably mate very well with some of them, the chances are that the calves from some of the cows will be quite inferior. Therefore, the importance of having the cows in your herd approach as nearly as possible one type.

By the use of the scale and the Babcock test eliminate from the herd all the cows that do not come up to the standard that you have set. Thus by selecting cows with a definite type in view and at the same time weeding out those that do not prove to be profitable producers, you will not only obtain cows of high producing qualities but cows which are reasonably certain of transmitting these qualities to their offspring.

cow. She was 13 years old on March 2. At the time she freshened prior to making the record she was 11 years and 9 months old. According to a report from Mr. Gardner, superintendent of the Holstein advanced registry, Maid is in a class by herself. He states he knows of no Holstein cow as old as she that has produced 700 pounds of butter fat in a year.

Maid Henry finished the year in good shape and is in as good condition, or better than she was a year ago. She was not "off feed" at any time during the year, is now with calf and has been so for more than six months. These points are all in her favor. This cow has been cared for almost entirely by the students of the Agricultural college. As many as seven different students have had her in charge during the year, and she has been used many times in the class room as a specimen of the Holstein type.

Her ration consisted of corn chop, bran, oil meal, cottonseed meal, alfalfa hay, and silage. She received all the alfalfa hay and silage she could consume, and in addition she ate about 1 pound of grain for each 4 pounds of milk produced per day.

Manhattan, Kan.

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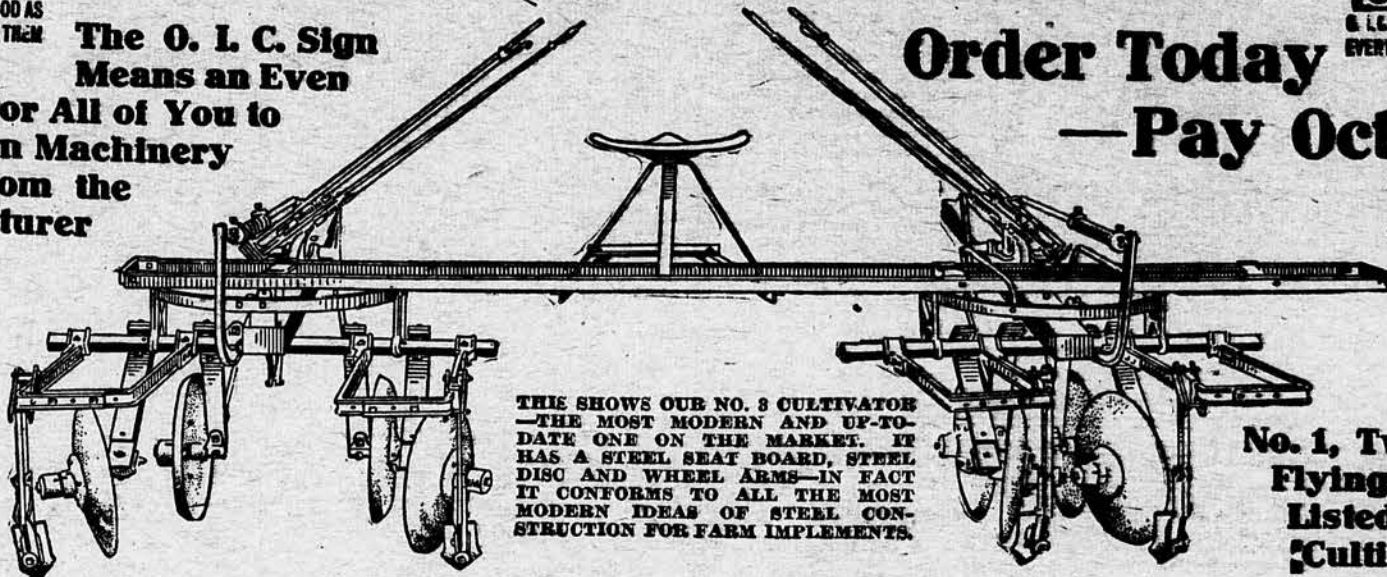
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**Order Today
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Cultivator**

To the Farmers of the United States—I am going to undertake to sell you high grade farm implements at better prices and on better terms than you ever got before.

Read This Letter From a Farmer in Kansas—

"O'Neil Implement Company, La Salle, Ill.

Dear Sirs: I called on our local hardware dealer a day or two ago and inquired about repairs for the Flying Swede Lister Cultivator. He said he had three on hand that he was going to close out and quit them, as the Kansas City jobber was not going to handle them any more, because the former owner had sold out to a couple of green horn farmers that had more money than sense, etc. Now I think it would be very unfortunate for us, as we cannot get repairs, and also for other farmers that would buy these machines. I have one that I have cultivated about 520 acres with and it has only cost me about 50 cents for repairs, which I think is very good. And for work, I will put it up against anything that runs on wheels or straddles a corn row, either single or double, in lightness of draft or doing good work. There are four here almost on adjoining farms and all are giving complete satisfaction.

Your ad in the "Mail and Breeze" does not sound much like quitters—this for your information. I would like a catalogue of your goods.

Yours very truly,

Now Gentlemen you see the trust agents and belittling me by calling me a farmer, etc. I am perfectly willing to accept the title as a farmer. I was born and raised on a farm and farmed all the days of my life up to the day that I went into the retail implement business about seventeen years ago and from that day to this I have actually been selling and manufacturing farm implements to and for the farmer. I want to say to you right now that the first experience and the first knowledge that I gained about farm implements was learned on the farm and I find this experience to be as valuable as any experience that I have had to the present day. I am perfectly willing to be called the FARMER that is now manufacturing farm implements FOR THE FARMER. As I remember now, when I was on the farm, we were generally called the "rubies" and "hayseeds" by the fellows in town and I will can remember these days spent on the farm, when it was necessary to get up about four o'clock in the morning, go out into the open, surrounded by a wire fence, and sit upon a one-legged stool with a tin pail between my knees, milking cows, then go and finish the rest of the chores, go out into the field and husk and crib 80 to 100 bushels of corn and then go through the process of milking cows again before my day's work was done. These experiences, together with the others that go with them, never have vanished from my mind and I never could well appreciate the general expressions given by the people who think that they are beyond doing common work, who now stand up and say that the farmer is living on the fat of the land; that his farm represents a summer resort; that he is riding in automobiles and that he is amply able to pay any price that they can impose upon him by organizations, etc. In view of all these facts, I want to say to you that I have NEVER joined any organizations or associations for the purpose of RAISING THE PRICE TO THE FARMER.

What You Want is An Even Chance and better goods for better prices than what you are getting and paying for today. I am going to undertake to give you better goods and give you better prices. Send me your orders and you get the goods.

Western Offices and
Transfer Stocks at

**Kansas City, Mo.
Council Bluffs, Iowa
Wichita, Kan.**

Order Your Goods at Home A great deal of presented that you should always buy your goods at home. I believe that truer words were never spoken and I ask that you sit down and read our catalog over, make out an order while you are SITTING AT YOUR OWN TABLE and are able to give it full and due consideration, then mail to us. In doing so, I say that you are BUYING AT HOME and that you are sending less money away from home than what you would be sending from home were you to buy from other sources.

When Your Credit is Good There is no reason not send the order today, even though you do not have the cash. Much has been said and written concerning mail order houses throughout the land, —that the only thing they were interested in was YOUR CASH and that they did not extend credit to you when in need. I fully believe that this statement is a fact and I further do believe that at the present time the great majority of the mail order houses throughout the land are financed by the same people, through the same Wall Street bankers that the trust manufacturers are; and that these mail order manufacturers are not aiming to do otherwise than to charge and get a price as large as their methods will permit. And I further wish to say that I contend that we are not a mail order house—that we are actually IMPLEMENT MEN—FARM IMPLEMENT MANUFACTURERS. That we have a knowledge of what farm implements should be; that we are making them and supplying them; that we have a knowledge of what the farmer's wants are; that we are in position and we will give them to you; that we are going to open up a branch house with a full stock of machines and repairs in the most central distributing point for each state where the farmers will give us enough co-operation to warrant us in so doing.

Make Use of Parcels Post We are going to open up these branch houses with a stock of repairs in each state, as stated before, so that you can make full use of the more progressive conditions now existing, which is PARCELS POST. It will make it possible for you to get repairs quicker than you ever got them before, because you can send us the order by mail or wire and in most cases Uncle Sam's Rural Delivery will deliver the goods to you THE NEXT MORNING right at your farm. Think of the time saved over the old process of going to town to have your dealer order the goods; then for him to send the order to a house where perhaps his credit is not good and then for the manufacturer to send the goods to his store to consume time again, which then requires his re-sending to you by Parcels Post or else your coming for them. Order the goods from us. We are equipping to give you the benefit of the new and better service and you will profit by it.

A Full Line of Farm Implements While at the present time we do not manufacture and supply what might be called an implement for every possible purpose that you might have for one on your farm, I want to say to you that we are going to add additional lines to our present ones and are going to undertake to supply you as many of the different kinds of implements, as follows, viz:—

**Harvesting Machinery, Plow Goods,
Manure Spreaders, Binding Twine,
Threshing Machinery, Etc.**

and right at the present time—we are in position to supply you—

**Listed Cultivators, Gang Plows, Mowers,
Buggies, Grain Elevators, Hay Stackers,
Swede Terror Ridge Busters, Etc.**

and while I stated that we were going to add to the lines, we are not going to add any line to our present ones until we know that the goods we will offer you will be equal, if not superior in quality, to any goods now offered to you on the market.

O'Neil Implement Company is not an incorporation and in asking for your co-operation, all we are asking is that you give us your order for machinery when we are able to supply you with BETTER GOODS, at BETTER PRICES. This I know you will do. I have no STOCKS nor BONDS to offer you to buy and if you give us your patronage, we will use the small profit in perpetuating and increasing the volume of the business until we actually set the STANDARD PRICES which will not only govern the output of our factory, but all the other implement factories in these United States.

"He Who is Not With You is Against You"

are words that Christ used when on earth—hence I say there are one or two issues that you now must decide. The trusts are either with you or against you and I say if the trusts were with you, they would recognize all your requirements and supply you goods at as reasonable a price as possible, instead of organizing to sap from you the fat of your land and the savings of your labor. If you decide that the trusts are not with you, then I say that every time you buy a trust made product, you are contributing to a power that is detrimental to your own welfare and you are bringing about a process that will leave it only possible for you to leave to your children an inheritance of only a BONDED BURDEN OF SLAVERY.

Cash or on Time I am going to supply you are going to buy from me, either for cash OR ON TIME, as your conditions require. While I prefer the cash, still I want to say to you that in the past I have sold many thousands of dollars worth of goods to FARMERS. I always gave them value received and the farmers always PAID ME. Hence I am willing to extend credit, if it requires my last dollar in doing so, to the farmer to buy implements with which to raise a crop until a crop is possible for him to raise.

Quality and Guarantee The machinery that I supply you is of such a high quality that I consider that I am taking no risk in trusting you to pay for it, because when the machines work so well and give you such good satisfaction, you WILL pay me for the goods, if it takes your last dollar to do it. Then again, when I sell you the goods on time so long that you can thoroughly test them out and harvest a crop, you know that the goods must be absolutely right or I would not do it and that my guarantee is as good to you as if I was worth ONE HUNDRED MILLION DOLLARS. If you are in need of a FLYING SWEDE CULTIVATOR, a LEWIS HAY STACKER, a SWEDE TERROR RIDGE BUSTER, a GANG PLOW, a BUGGY or other farming implements, don't fail to write me at once, telling me of your needs and asking for catalogue and prices. We will mail them to you promptly. We will appreciate your business. We will give you full value received. You will find our goods as good as every claim made for them—the quality a little better and the price a little better than we think you can get elsewhere in the United States. Spring is almost at hand. There is going to be a tremendous rush, so don't delay. LET US HEAR FROM YOU AT ONCE.

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For Our New, Well Illustrated
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No. 2

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Great Western Now Made "Low Down" For Easy Loading

This is the old reliable—retaining all the features that have made it famous and successful—but built low down—weight high—with safe clearance from the ground. Wheels under the load. Buy the best spreader while you're buying. Avoid trouble, delays and expense.

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It will be a GREAT WESTERN, because this is the machine for longest service. In the end it costs much less than the shoddy spreader whose first cost is lower, because the GREAT WESTERN is built to stand the strain of all conditions—the test of every job—and to give years of steady, continuous service.

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This \$950 "Paige" Touring Car FREE



Easy For ALL To Win Prizes in Great Subscription Contest Just Started by Kansas Weekly Capital

It may seem too good to be true, but it is true just the same! Somebody is going to receive this big touring car as an absolute free gift on May 1, 1913. Our first big 1913 Subscription Contest on the Kansas Weekly Capital has just opened and will close promptly at 12:00 o'clock noon on Thursday, May 1st, 1913, and the 5 contestants having to their credit the largest number of points will be awarded the \$950 Automobile and 4 other Grand Prizes. The object of this contest is to get subscriptions to the WEEKLY CAPITAL, the well-known news weekly and home and family paper published by Arthur Capper at Topeka, Kansas. Every one-year subscription at 25 cents counts 25 points, every 3-year subscription at 50 cents counts 75 points, and every 6-year subscription at \$1 counts 150 points—in other words, you get 25 points for every year's subscription.

Earn \$15 to \$25 Every Week—Enter YOUR NAME NOW and Get 1000 Points FREE!

In addition to the 5 Grand Prizes we allow a cash commission of 40 per cent to every contestant—you keep 10 cents out of every 25-cent subscription, 20 cents out of every 50-cent subscription, and 40 cents out of every \$1 subscription.

This 40 per cent cash commission feature is the most liberal inducement ever before offered on any contest on any paper! It positively removes every chance of loss.

It ought to be easy for you to earn from \$15 to \$25 a week or even more in this interesting work.

We will supply every contestant with an unlimited quantity of a beautiful Art Calendar. These calendars would probably retail for at least 25 cents, but we allow you to give one free to every subscriber.

Just to put real life into this contest right at the start we are going to award 1,000 points free to all who clip and send in the accompanying coupon within 20 days.

When we receive your coupon we will send sample copies of the paper and full information regarding the big contest. Send coupon now! Address

Mgr. WEEKLY CAPITAL CONTEST, Dept. 200, Topeka, Kansas

MANAGER WEEKLY CAPITAL CONTEST, Dept. 200, Topeka, Kansas.

Dear Sir—Send me full information regarding your big Auto Contest, give me 1,000 points as per your offer, and enter my name as a contestant.

Name

Address

This Coupon Good for 1000 Points.

Must Be Used Within Next 20 Days.

How a Milk Record is Kept First Step in Dairying For Business

BY J. B. FITCH

Instructor in Dairying Kansas Agricultural College
Written for Farmers Mail and Breeze

IF YOU are interested in keeping milk records, write to the dairy department of the Agricultural college at Manhattan for milk sheets. The department furnishes milk sheets to those who co-operate with it in getting data on average Kansas dairy herds. It is only necessary to send the milk sheets to the college every month, or every other month, to have the weights added up and recorded, and the sheets will be returned. Then, with an estimate of the feed consumed, at the end of the year, you will have an accurate account of what your cows are doing.

It is well also to test the milk for butter fat a few days out of each month to find out how much butter the cows are producing. The amount of milk, however, is more important than the test, so do not hesitate to keep milk records because you cannot conveniently have the samples tested. If you do not have a Babcock tester perhaps some one in your locality has. If not, send the samples to the college by

lated. At the end of the month the amounts of milk for the different cows can be totaled. A new sheet is then put up and the old sheet kept as a record for the herd for that month. In herds where no herd book is kept the breeding dates and other important notes are entered on the milk sheets. It is frequently said that the average milk production of Kansas cows would be increased from one-third to one-half by better feeding methods. This has often been found to be the case in individual herds, and is perhaps true of the cow population of the state at large. The demand made by milk production upon the cow's body is generally not realized and as a rule the average cow is underfed rather than overfed. To feed a cow profitably we must know the feed required for the milk produced. Each pound of milk the cow produces takes a certain amount of nutrients from the body. This should be paid for by feed given the cow. From our feeding tables we can find the composi-

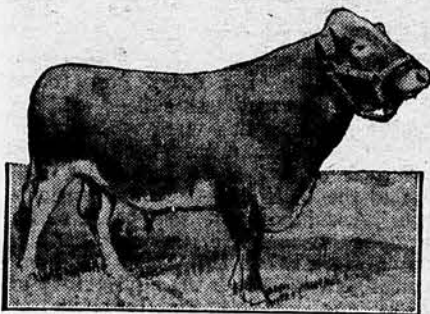
KANSAS STATE AGRICULTURAL COLLEGE		DEPARTMENT OF DAIRY HUSBANDRY	
MILK RECORD		FOR THE MONTH ENDING 191	
		NAME OR NUMBER OF COWS	
DAY	TIME		
1	AM		
	PM		
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28	AM		
	PM		
29	AM		
	PM		
30	AM		
	PM		
31	AM		
	PM		
TOTAL MILK			
PERCENT BUTTER FAT			
TOTAL BUTTER FAT			

This is the form of monthly milk sheet used at Manhattan. The sheets are hung up at a convenient place in the dairy barn, with the milk scales handy. To weigh and record each cow's milk as it is drawn requires but a few moments' time.

parcel post or

from 4,000 to 8,000 pounds of milk during the year. This milk tested from 3 to 4 per cent. The cows made from 135 to 310 pounds of butter fat each through the year. We received from \$35 to \$75 for the butter fat from each cow, and it cost about \$40 per cow for the year's feed. You can see how much money there was in dairying of that kind. Only three of the 13 cows had returned a profit.

I thought I could tell a good cow when I saw one but found the Babcock test was a better judge of cows. The cow that the whole family thought was



Purebred Guernsey, head of the Dawdy herd.

the best one of the lot, was next to the poorest. So much for a person's judgment.

These cows were average cows bought all over the country. Every man of whom I bought would say, "Well, Dawdy, that is the best cow I ever owned". If this was true I pity the rest of the cows. There are thousands of cows in the state that do not pay for their feed. If farmers could only be induced to weigh and test their milk there would be several thousand fewer cows in the state to feed and pay taxes on.

We sold our entire herd of beef cows and bought purebred dairy stock. With good feed and care each cow will make from 300 to 400 pounds of butter fat a year. But I will never be as enthusiastic over dairying as I was before testing those cows. At least not until we get 5 cents or more for each quart of milk. Selling butter fat at 25 cents a pound means about 2½ cents a quart for whole milk. It is worth more money and I will not milk cows for that. At present prices of feed it is worth 50 cents a pound to produce butter fat. That is equal to what the city dairyman gets when he sells milk.

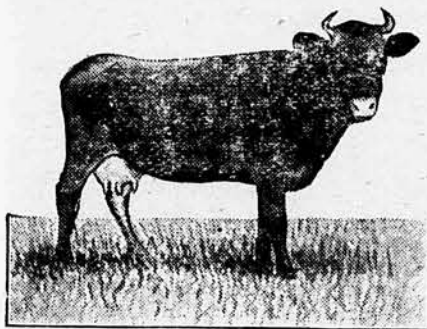
We are now dairying with purebred Guernseys. I am sending you a picture of the first Guernsey bull in this part of the country. He is Vita Bel No. 12-043. He is a direct descendant of Divan 5846 and therefore a close relative to the famous Dolly Dimple.

Jewell, Kan.

A Kansas Jersey's Record

[Prize Letter.]

Mr. Editor—In every week's issue of your useful Mail and Breeze I notice good letters on dairy subjects and I read every one of them with great interest. I should like to tell your read-



A Cow Worth Owning.

ers of the fine record a Jersey heifer is making for me. She is now 3½ years old and has had two calves. I owned her dam who produced at best 5 gallons of milk per day and 14 pounds of butter per week. This heifer is a solid fawn in color, kind and gentle, and has a fine set udder, with large wide-spread teats.

She was fresh the first time at 18 months old and in 11 months gave 3,500 quarts of milk which tested 4.6 per cent. On January 17 she was fresh the second time. Her udder was so large I milked her three times every day and a fourth time at midnight, for the first week after freshening. I had to feed her very sparingly and am still

Note what we do to save cost of upkeep with users of Reo the Fifth. To save repairs and troubles. To insure you an honest car.

Cost Us \$200

These extra precautions, which some call extremes, cost us about \$200 per car. I employ them because, in years to come, they save \$500 per car.

I have proved this fact a myriad times in my 26 years of car building.

To merely sell cars, these things are unnecessary. But to hold users' good will—hold it year after year—these things must be done.

Our Extremes

Our steel is all made to formula. It is analyzed twice before using. That saves us countless mistakes.

Our gears are tested in a crushing machine to stand 75,-

000 pounds per tooth. Our springs are tested for 100,000 vibrations.

Each engine is tested for 48 hours. There are five long-continued tests.

There are fully one thousand tests and inspections applied to every car.

Overcapacity

I require in each driving part an overcapacity of not less than 50 per cent.

I use oversize tires—34x4—to cut your tire upkeep in two.

I use 15 roller bearings, which cost five times what the usual ball bearings cost. And, to avoid all flaws, we use 190 drop forgings, at twice the cost of steel castings.

I use a \$75 magneto—

A doubly heated carburetor—An expensive centrifugal pump—

14-inch brake drums—2-inch, seven-leaf springs—a 17-coated body.

And we limit our output to 50 cars daily, to insure accurate

fitting, abundant tests. To make sure that each car is right.

Does It Pay?

You know that it pays to get a car built like this if you've owned a car that wasn't. All the difference won't show at the start, of course, but in after years you'll see it.

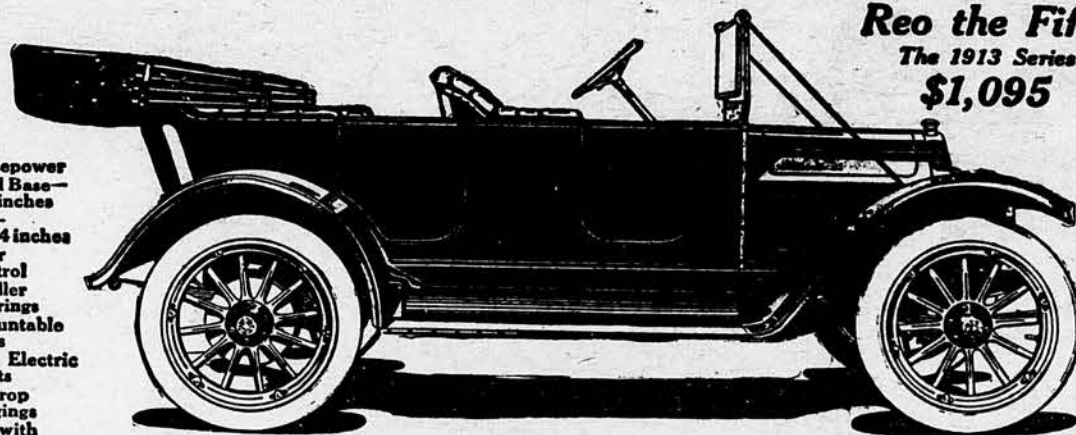
Every dollar I spend in these extremes saves users from two to four dollars. That's why Reo the Fifth stands at the top of its class, after 60,000 of my cars have been used.

See in this car our new center control. Note the absence of levers. Both front doors are clear. Note that it has the left side drive, like the leading cars today.

Note the flush electric dash lights. Note the splendid finish. Let our dealer point out to you the countless small perfections. This is the climax of a lifetime of effort. See what it means to you.

Write for our catalog and we will direct you to the nearest Reo showroom. They are everywhere.

R. M. Owen & Co., General Sales Agents for Reo Motor Car Co., Lansing, Mich.
Canadian Factory, St. Catharines, Ont.



Reo the Fifth
The 1913 Series
\$1,095

30-35
Horsepower
Wheel Base—
112 inches
Tires—
34x4 inches
Center
Control
15 Roller
Bearings
Demountable
Rims
Three Electric
Lights
190 Drop
Forgings
Made with
5 and 2
Passenger
Bodies

Top and windshield not included in price. We equip this car with mohair top, side curtains and slip cover, windshield, gas tank for headlights, speedometer, self-starter, extra rim and brackets—all for \$100 extra (list price \$170).
(Gray & Davis Electric Lighting and Starting System at an extra price, if wanted.)

doing so. I now milk her night and morning and she averages 22 quarts of milk a day. After beginning to feed her I feel sure she will increase this to 24 quarts daily.

It is a waste of time and money to raise heifer calves from poor, non-productive cows, and in this heifer I believe I have an argument that will bear me out. It costs no more to have the best.

Lawrence, Kan. W. J. Flintom.

Miami to Get an Adviser

Miami county, Kansas, is next in line for a country farm adviser. The Miami County Farmers' Improvement association is fathering the movement and its 93 members have guaranteed funds sufficient to meet the expenses of putting a man on the job. The association has applied to the Agricultural college for a man.

In writing any of our advertisers, always mention Farmers Mail and Breeze. You will get a quick reply if you do.

I like the Mail and Breeze very much. —Joseph Cosgrove, Lawrence, Kan.

Organs, \$15 to \$30. Highest Grade

Estey, Mason & Hamlin, Story & Clark, Kimball—C. Cottage & Co., Slightly used; like new. Write today. Jenkins Sons Music Co., Kansas City, Mo. Reference, any bank in Kansas City



Finlay Engineering College

All Branches Engineering; enroll any time; machinery in operation; day and night session. Finlay Bldg., 10th and Indiana, K.C., Mo. Ask for catalog "D". Phones East 295.

Another New Factory Making the WATERLOO BOY

RELIABLE, LOW-PRICED
POWER FOR YOUR FARM

It has been necessary again to increase the capacity of our factory—(although it was already among the biggest of its kind in the world)—in order to meet the constant enormous increase in the demand for the Waterloo Boy Gasoline Engines. No stronger proof of High Quality at a low price could be asked.

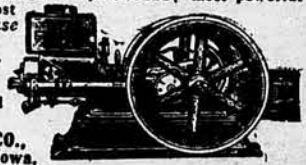
THE WATERLOO BOY GASOLINE ENGINE

has many strong points of merit not possessed by any other engine. Simply built—a woman or child can operate it; reliable the year round; most powerful for its weight and rating; automatic in action, frost proof, economical and durable. Equipped to use either gasoline or kerosene.

Guaranteed for 5 Years. Undersells every other high grade engine made.

Investigate—Write us for Free Illustrated catalog telling all about these engines.

WATERLOO GASOLINE ENGINE CO.,
175 W. 3rd Ave., Waterloo, Iowa.





Don't Lose Another Hog— You Just Try Merry War Powdered Lye

If an epidemic of hog cholera should break out in your neighborhood, what assurance have you that it wouldn't attack your hogs? How are you fixed to prevent that dread disease from killing off your hogs like flies and wiping out your pork profits? Be on the safe side—don't wait—hog cholera breaks out suddenly—ravages and kills quickly! You can prevent it—easily and at a very small cost. Just mix with your hog feed a little MERRY WAR POWDERED LYE. (Directions on every can.) Feed twice daily. It's the proven preventive. Thousands of practical hog raisers and farmers know this by actual experience.

Read These Convincing Letters

J. E. Vawter, Beverly, Kans.—"25 hogs lost 1 mile east; 50 hogs lost 2 miles north; 20 hogs lost 2½ miles south of me, but I used Merry War Powdered Lye and escaped loss."

Mrs. Joseph Gleason, Parnell, Mo.—"After we began using Merry War Powdered Lye we never lost a hog."

Don't Experiment—Refuse Substitutes

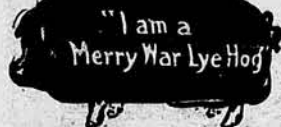
Don't be persuaded to try an ordinary, old-fashioned lye as a possible preventive of hog cholera. At best, it would be a doubtful, perhaps a dangerous experiment. MERRY WAR POWDERED LYE will not hurt your hogs. It is the specially prepared lye that is safe to feed to hogs as directed on every can, and there are no substitutes.

MERRY WAR POWDERED LYE is not only a safe preventive of cholera, but it is also the best hog fattener, and all 'round conditioner the world has ever known.

Users say it positively destroys worms. It keeps the hogs on their feed, makes them fat and sleek, skins free from scurvy and keeps the digestion in such perfect condition that every pound of feed is changed into profit making flesh and fat. One week's trial will convince you.

Prove This For Yourself. MERRY WAR POWDERED LYE is for sale at most dealers, 10c per can (120 feeds). It is convenient to buy in case lots—4 dozen cans, \$4.80. Costs only 5c per hog, per month to feed regularly—by far the best and much the cheapest hog insurance you can buy. If your grocers, druggists or feed dealers can't supply you, write us stating your names. We will see that you are supplied; also send you FREE a valuable booklet, "How To Get the Biggest Profits From Hog Raising."

Order Direct from us in case lots—4 doz. cans, \$4.80—if your dealers won't supply you.



Which Kind Do You Want?
E. Myers Lye Company
Dept. 10 St. Louis, Mo.



Wholesale and Retail Profit Saved! FREIGHT PAID

ANYBODY CAN LAY IT.

RUBBER ROOFING

Warranted For 25 Years.

1-Ply, 35 lb. 108 sq. ft., \$1.10 per roll.
2-Ply, 45 lb. 108 sq. ft., \$1.30 per roll.
3-Ply, 55 lb. 108 sq. ft., \$1.50 per roll.

Terms Cash. These Special Prices Only Hold Good for Immediate Shipment.

FREIGHT PAID to any station east of Rocky Mountains except Tex., Okla., Colo., N.D., S.D., Wyo., Mont., N.M., La., Ga., Ala., Miss. and Fla. on orders of three rolls or more. Special prices to these States on request.

INDESTRUCTIBLE BY HEAT, COLD, SUN OR RAIN.

FIRST-CLASS IN EVERY RESPECT. NO SECONDS, REMNANTS OR MILL ENDS.

Write for FREE SAMPLES or order direct from this advertisement. Satisfaction guaranteed or money refunded. We refer you to the Southern Illinois National Bank.

Century Manufacturing Co., Dept. 197 East St. Louis, Illinois, or Dept. 197 100 E. 11th St., Kansas City, Mo.

\$2 The Price You Get for About 8-lbs. of Butter
Puts This Big Separator
in Your HOME

Then the machine itself will earn the other easy payments before they are due. You have the machine to use twice a day on your farm. You get one-fourth to one-third more cream—have fresh, warm skim milk for the calves, pigs and chickens—make work easier for the women folks and before you realize it this big money maker is all paid for out of your extra cream profits. You don't feel the cost at all, especially at our low factory-to-farm prices of only \$24 and up.

NEW BUTTERFLY

\$24 and up New Butterfly Cream Separators are sold direct from the factory to you. No agents' commission—no dealers' profits to pay. No interest—no extras. You save half. For example—\$24—(payable only \$2 down and \$2 a month for 11 months) buys the New Butterfly Junior No. 2—light running, easy cleaning, close skimming, durable. GUARANTEED A LIFETIME. Skims 95 quarts of milk per hour. Made also in four larger sizes up to No. 5 1-2, shown here. Free colored folder tells which size you need.

30 DAYS' FREE TRIAL—LIFETIME GUARANTEE

We ship any machine we make on 30 days' FREE TRIAL—allow you to use it on your own farm—test it in every way. If you are not fully satisfied, send it back at our expense and we will refund all you have paid, together with freight charges both ways, so you will not be out one penny. You can't afford to miss this opportunity to get a cream separator. You take no risk. Write for FREE CATALOG FOLDER and Factory Price List TODAY.

ALBAUGH-DOVER CO., 2275 Marshall Blvd., Chicago, Ill.

Greater growth from the ground
Scientific soil cultivation gives bigger results, and you save time and lighten labor if your implements are

Planet Jr

Light, strong, lasting, and fully guaranteed.

[No. 3] Planet Jr. Hill and Drill Seeder sows all garden seeds accurately in hill or drills. Sows in a narrow line making wheel hoe cultivation quick and easy.

Planet Jr. Twelve-tooth Harrow, Cultivator, and Pulverizer is invaluable in strawberry and truck patches and the market garden. Has 12 chisel-shaped teeth and pulverizer.

FREE An instructive 64-page illustrated catalogue! Send postal for it today!

S. L. ALLEN & CO.
Box 1105P
Philadelphia

Kansas Borrows a Good Idea

(Continued from Page 3.)

expected to be able to advise in regard to the feeding of the cows, the making up of balanced rations, etc.

The association can co-operate along other lines, such as buying feed. They will be able to buy mill feeds in carload lots and effect a great saving. Several men went together last fall and bought a carload of oil meal, and on the carload of 20 tons saved \$100. This was the difference between buying it by carload lots and by the ton at retail prices.

If all of the members of an association or part of them, can decide on one breed of cattle to handle, they can co-operate in buying breeding stock. They can trade sires, and instead of buying a new sire every two or three years will not have to make a cash outlay for this purpose nearly so often. It will be a great advantage to hold the bulls in a community until their daughters have shown their influence. Very often a farmer buys a bull, uses him two or three years, then sells him

for beef and finds out later that his daughters are great producers. By keeping records of the herd, one can determine whether the daughters of a bull are better or poorer producers than their mothers.

Continued breeding of definite breed by a number of stockmen in a community soon establish a center for the breed. Buyers will be attracted to this community and it will not be any trouble to sell the surplus stock.

If any community wishes to organize an association, the dairy department of Kansas Agricultural college will be glad to assist in this work. Blanks for keeping records, and herd books, will be furnished by the state and dairy division of the U. S. department of agriculture. Assistance will also be given in engaging a man to do the testing. Those interested in the work should call a meeting and discuss the advisability of an organization. A representative of the college will, upon request, attend such a meeting and explain the details of the organization.

Silage Calves and Cattle

(Continued from Page 12.)

cattle to eat we now use for bedding, which I think is necessary as we haven't the waste around the feed racks for the cattle to bed on. The droppings from the ensilage fed cattle, though I have seen no signs of scouring, are more moist and in wet times will form mud with no stalks or waste forage. A heavy bedding of straw will absorb this to a great extent and take the place on the land of the good feed we have been hauling out in the past as manure.

We have been feeding out our steer calves for years, selling them May 1, weighing 800 pounds. Last year, if we had been able to hold them, they would have come close to our average in spite of being in mud to their knees for months. In the past these calves have always eaten 14 or 15 pounds of grain at the end of the feeding period. Last year when we shipped they would only eat 7 pounds a day and they ate half the alfalfa hay that they formerly did without silage.

The milk cows get all the silage they will eat. The bulls 35 pounds a day and we scatter out silage for the chickens every day and they leave very little.

Concrete Silo To Be Preferred.

The metal lath silos cost \$400 apiece, the reinforced concrete which is poured in forms \$700, allowing pay for the

sand hauling which we did with our own teams and men. The proportion of sand to cement for the large silo was 3 to 1 with about a ton of steel in it. I prefer this kind because you can go as high as your blower will allow and height is what you want.

You must make the diameter of your silo conform to the size of your herd. The height will determine how long you can feed them. Take a silo 20 by 46 feet. The tables say it holds 340 tons—7 1-3 tons to the foot in height. If you build to 60 feet you have 500 tons capacity or 8 1-3 tons to the foot in height. Or, looking at it in another way, the last 4 feet of a 20 by 60 foot silo adds 50 tons to its capacity, 12½ tons to the foot, and the more weight you have the better your ensilage is, because it is all a question of excluding air. After the pressure comes on your doors take some cement mortar and fill all the cracks. The silo is a fireless cooker and as the silage cooks it shrinks away from the walls for quite a distance down and air will get in and spoil the silage unless it is tramped tight around the walls every day for 10 days or two weeks. The more mushy and rotten you can get the top the better the seal. Use plenty of water, it won't hurt your silage and packs much better.

As to Cheapness of Silage

A Question That Depends on Results

BY MOSES BROTHERS AND CLAYTON, Great Bend, Kan.

Written for Farmers Mail and Breeze.

OUR OPINION is if one wishes to winter cattle, and have them grow all winter at a fair cost, the silo is the thing to have. But if one wants to winter his cattle exceedingly cheap, regardless of results, then he had better consider before investing.

We built a concrete silo last July that was 20 feet in diameter inside and 50 feet high. We put in it 80 acres of rather thin stand but pretty fair corn that would make 25 bushels per acre, or 2,000 bushels, worth 45 cents per bushel, making \$900 for the corn. The expense of filling was \$300 counting our own teams at the same price per day as the ones we hired. The ensilage was cut in ¾-inch length and we had about a half-inch stream of water running in the blower. The corn was put in before it got very hard.

As to any definite feeding tests we cannot give anything positive as yet. We are feeding the silage to 200 cattle, 25 of which are heifers, cows and steers, on about a full feed of corn. The others are registered Hereford yearling bulls and heifers, and all have done remarkably well. But this has also been one of the finest winters for feeding we have ever experienced.

We are feeding some alfalfa hay to

all the cattle but it does not require nearly so much as without the ensilage. We have wintered cattle cheaper than we shall this winter but we do not think that we have had our yearlings grow as thriftily and develop as they have on the ensilage. For the benefit of those who are in doubt about the concrete silo we can say we have had no spoiled ensilage after about 8 inches of the top was taken off and fed to the hogs, and we think we have enough silage to feed until May 1, after feeding from 15 to 20 pounds per day since November 1.

The Western Farmer's Best Paper.

Mr. Editor—Am having the Mail and Breeze sent to L. C. Miller, my brother, because I am sure that he will want it longer after reading it for a year. In my opinion the Mail and Breeze is certainly the best farm paper for the western farmer.

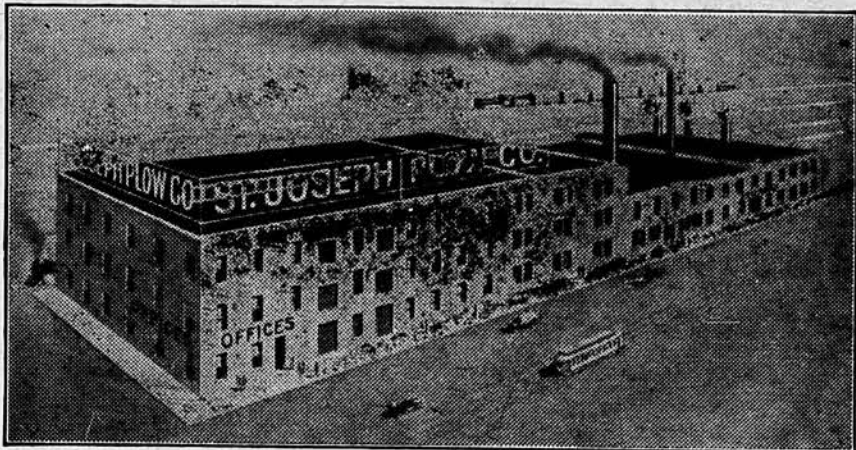
Alf B. Miller.

Protection, Kan.

In the 13,000 postal savings banks the deposits now aggregate 35 million dollars and are expected to reach 50 million dollars during the fiscal year.

WORLD'S BEST IMPLEMENTS

FOR THE WEST'S BEST FARMERS—DIRECT FROM THE FACTORY

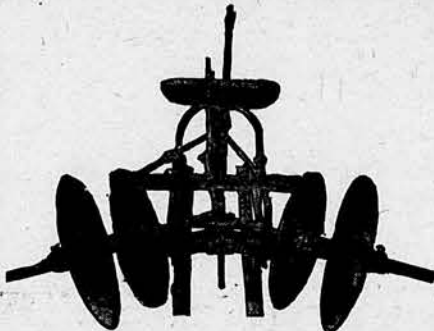


Our ambition is to supply every progressive, successful farmer in the Great Southwest with farming tools that cannot be duplicated for efficiency and reasonable price anywhere else in the United States.

We want to convince you—you who have your eye on this page this moment—that no other factory in the world turns out a higher class of implements. We want to convince you that our tools are so vastly superior in actual use that you and your brother Southwestern farmers should help us build here at St. Joseph—the gateway of the Southwest—the largest individual implement factory in the United States.

We can do it—if you do your part. First step: Send for our literature and prices. Second step: Be loyal to western enterprise and try our tools. They are our own inventions—our own manufacture and they are guaranteed. This page describes only a few of our products. Send for the whole story and make money by it.

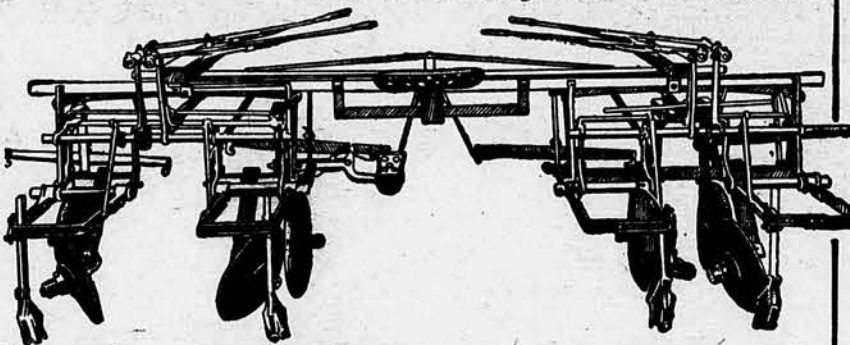
Make One Machine Do the Work of Two



That's just what the wonderful Swanson Terror will do—and do it right. Adjusted in a twinkling for either the first cultivation of listed corn or the tearing down of listed ridges in preparing the ground for wheat. The Swanson Terror is equipped with two levers, with which the discs may be set to any angle without the aid of a wrench. With the second lever the discs may be raised or forced into the ground at will. Can be set to throw soil to or from the corn, and we equip the Swanson Terror with a shovel attachment which may be used to loosen up the bottom of the furrow during first cultivation.

You need not take our word for it. Ask any user. Ask any boy—that the Swanson Terror is a dandy. For boys handle it as easily as the men. It has new features that can be found only in the Terror.

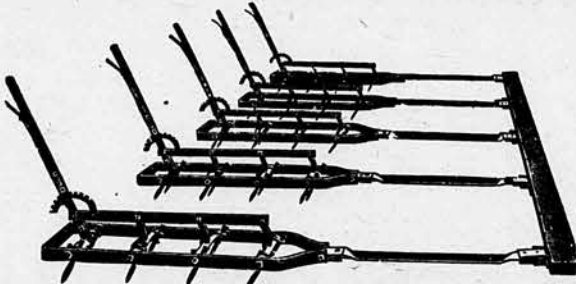
Cultivates Taller Corn Than Any Other Cultivator



Swanson Three-Time, Two-Row Cultivator is different—as all our implements are different from the ordinary farm tool. Swanson Three-Time Two-Row Cultivator is a Success—because it has a greater leveling device than the ordinary two-row cultivator. Others have a leveling device of about 23 inches, while the "Swanson" reaches 38 inches. The arch in the "Swanson" measures close to 30 inches high—others only 23 to 25 inches—so you can get over the taller corn. The adjustments in the "Swanson" are better. That tells most of the story—but not all. The foot guide on this machine is worth \$10 to every user. With his feet the operator guides each gang independently of the other, keeping his hands free for driving. And the hitch—that's another point—it's shorter and works wonders in many ways that the man who values horse flesh and scientific cultivation will heartily appreciate. We'll tell you more if you're interested.

Increase Your Corn Yield 5 to 10 Bushels Per Acre

NEW WAY LISTING HARROW WILL DO IT: Cultivates 40 acres of Listed Corn in One Day with One Team. Only tool which enables the user to cultivate a crop before it is up, and kill all crab grass at the bottom of the furrow—no matter whether the crop is corn, Kafir corn, sugar cane, broomcorn or cotton.



You know that the secret in raising a good crop of any kind is to begin cultivation before the tender plant appears (and carefully continuing afterwards) and we know that this can be successfully accomplished only by the New-Way Listing Harrow. It perfectly prepares the field for a wheel disc or other cultivator by killing the weeds at the bottom of the ditches. If soil is loose and dry, "New-Way" settles it; if bottom of furrow becomes hard and solid, "New-Way" mellows it and starts the seed to growing; if hard crust forms, "New-Way" cuts it all to pieces; if soil becomes cloddy, "New-Way" is quickly flattened into a perfect smoother. New-Way Listing Harrow not only is the most perfect all-around listing harrow known, but—

Farmers who are using it claim that it Advances their corn from Eight to Ten Days and Increases their yield from Five to Ten Bushels Per Acre.

Save the Expense of One Man

FAMOUS DOUBLE ROW RIDING LISTER (For Six Horses Abreast).

You actually save the expense of one hired man by using our famous Double Row Riding Lister. This was the first ever made and this today is the most practical, best scouring, most simply and durably constructed (with toggle joint accurate gear drop connecting main wheels) on the market. Leveling lever at each side raises and lowers each lister independently with marvelous ease. Comes equipped with regular six-horse eveners and two roller coulters with either disc or shovel covers as desired; also provided with press wheels at small additional cost, when desired. Absolutely guaranteed—and in 30 years not a single one has been returned to us. No progressive farmer can do himself justice without these listers. They were made to save expense on the farm and at the same time afford superior service—and they do it.



Double - Row Steel King Disc Cultivator

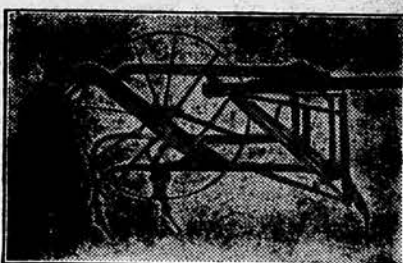
As the pioneer builders of a single and double-row cultivator, we are specially proud of the wonderful record of one Steel King Double-Row Disc Cultivator. All over Nebraska, South Dakota, Iowa, Kansas, Missouri and Oklahoma actual users have pronounced it King of all. New patented seat board on rollers, automatically adjusting itself to wide or narrow rows, with 23-inch leveling device that always keeps gangs level with the ground without annoyance of play; handy combination spring levers for easily handling discs and shovels independently, assuring absolute control, equipment of hard rollers, wood sleeves boiled in lubricating oil, dust-proof bearings—all these special, original features make the Double-Row Steel King Disc Cultivator the implement for you.



New Progressive Riding Cultivator

No Levers—No Springs—Always in Balance.

If we could only tell you all about the simple construction, the perfect balance, the perfect cultivation, the easy handling qualities, the perfect hitch and light draft, and the wonderful money saving and labor saving qualities of this New Progressive Riding Cultivator, you wouldn't rest until you had one. The New Progressive is positively closer to the shovels than any other cultivator, either walking or riding—as close as a double-shovel plow. Its short hitch—the result of years of experimenting by the inventor—means light draft, less turning space and means that the Progressive is the most sensitive, easily handled cultivator in the world today. Two-thirds of the draft is below beam level, a direct pull from the horses' shoulders to points of shovels at all times, with no pole weight to overcome—and the Progressive is 100 pounds lighter than cultivators equipped with springs and levers, a light draft machine that will last longer than any other cultivator on earth.



Yes, we have it patented, you bet! Because all the complicated devices commonly used on riding cultivators have been supplanted by our own conception of a perfect cultivator—a machine with which the operator has nothing to do except to sit in the seat and drive.

Now Listen: We want you to send for our literature which will tell you how all this is so marvelously, yet simply, done. We want you to know all about the simplest and most successful cultivator in existence. We want you to know how easy it is, under either ordinary or unusual soil conditions, to regulate depth of cultivation without the unnecessary levers, springs and other contraptions that are always breaking or wearing out and causing you to "lose all the religion you ever had." We want you to know how easy it is to cultivate crooked rows, avoid roots, stones, stumps or other obstructions; how easy it is to swing shovels between the hills and make your field as clean as the gardens of a king.

Yes, we have the New Progressive closely covered with patents. It's a thousand times worth patenting—and we want you to write us today for information about this wonderful cultivator which will open the eyes of any practical, progressive farmer.

**EVERY IMPLEMENT
GUARANTEED**
MONEY BACK IF YOU WANT IT

SWANSON - ST. JOSEPH PLOW CO.
EIGHTH AND DONIPHAN, ST. JOSEPH, MO.

A Million Dollars Worth In The Government Service

THE World's Largest Motorcycle user, the United States Government, uses more Harley-Davidsons than all other makes combined. These machines are to-day used by nine different government departments.

In the Government Mail Service alone there are over 3,800 Harley-Davidsons in daily use, collecting and delivering mail—a fitting tribute to their reliability. The

HARLEY-DAVIDSON

to-day holds the World's Economy Record, as well as World's Records for Endurance and Reliability. It is the only motorcycle made with the Ful-Floting Seat and Free-Wheel Control (both patented features), two of the greatest comfort devices known to motorcycling.

The Ful-Floting Seat places 14 inches of concealed springs between the rider and the bumps. These springs assimilate all jar and vibration, thus doing away with the great discomfort of the ordinary motorcycle.

The Free-Wheel Control permits the stopping and starting of the Harley-Davidson without the customary running alongside or hard pedaling. Instead this machine can be stopped and started by the mere shifting of a lever. This, and many other exclusive features, will be willingly demonstrated by any Harley-Davidson dealer.

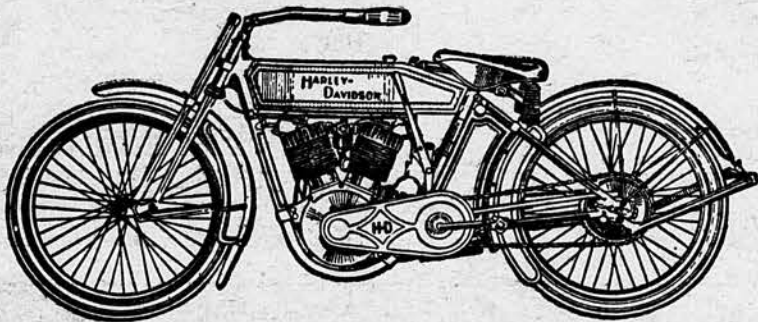
Call on him for demonstration or write to us for illustrated catalog.

HARLEY-DAVIDSON MOTOR COMPANY

Producers of High-Grade Motorcycles for eleven years.

716 A Street

MILWAUKEE, WIS.



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This magnificent silverware is of warranted quality and made by the celebrated house of Wm. Rogers & Co. You can get anything you want in silver, absolutely without cost. Write quick for illustrated circular from which to make your selection.

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Drop us a line right now for our Bargain Book and circular from which to choose your free silverware. Don't give yourself a chance to forget!

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\$2.69

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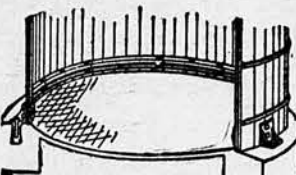
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the triple anchor system which, with the inside hoops, holds the Des Moines as solid as a rock under all conditions.

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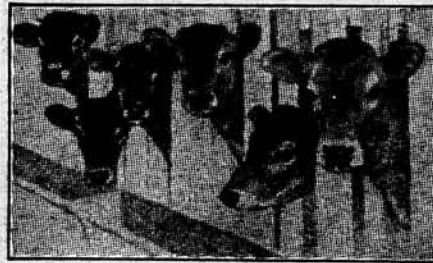
Des Moines, Iowa.



Hand Raising of Spring Calves

READERS' WAYS AND MEANS.

Mr. Editor—For white scours in calves I use one or two fresh eggs. I open the egg, hold up the calf's head, and



Waiting for Their Oats.

pour it down its throat. If the first dose does not cure I repeat it. To prevent scours, scald the feeding utensils and keep the quarters dry and clean, allowing access for plenty of sunlight. In an experience of 40 years I never have known these methods to fail.

Muscotah, Kan.

H. M. Rice.

On Skimmilk in Three Weeks.

Mr. Editor—We never allow the calves to run with the cows after the milk is good for table use which is about the ninth milking when the cow is well. Usually we take them away after the first day and feed them the new, fresh milk for two or three weeks. With the aid of the finger we often have them drinking like an old animal by the time they are 2 or 3 days old. About the third week we change to skimmilk and feed them twice a day.

Faxon, Okla.

C. W. Winder.

Grain Feeds That Make Growth.

[Prize Letter.]

Mr. Editor—When the calf is a day old I take it from the cow and do not try to give it milk for 24 hours. By that time it will be hungry enough to suck the fingers. At that time I give it fresh milk from the mother and by the next feeding it will know how to drink with but little coaxing. At a month old I begin changing to skimmilk by feeding a quart of skimmilk with 3 quarts of whole milk. At 2 months old the calf is on skimmilk entirely. On starting to change the diet I put some oats in the box and let them have a little hay. At 2 months old I add a little oilmeal or cotton cake to the oats. I can show calves raised in this way that are just as good as those that ran with cows.

Longford, Kan.

John M. Guy.

A 200-Pound Veal in 12 Weeks.

Mr. Editor—I let the new calf suck until about 4 days old. At that age it will soon learn to drink without the aid of fingers. I feed it 2 quarts of new milk night and morning and 2 quarts separated milk at noon. When 2 weeks old I feed skimmilk twice a day and whole milk once. At four weeks I feed skimmilk three times a day. At 2 to 3 weeks old they will begin eating a little chop or bran. They will also eat good, bright alfalfa hay early but this may be a little laxative and they should have corn fodder or prairie hay in addition. Gains are slow at first but at from 10 to 12 weeks a calf so fed will weigh about 200 pounds and will make good veal. In case of scours I give a tablespoonful of flour in the milk for a day or two.

Williamsburg, Kan.

E. E. Neal.

Best Age to Dispose of Calves.

[Prize Letter.]

Mr. Editor—We let our calves run with the cows until a week or 10 days

old, then feed them according to size, and growth, but never more than a gallon of whole milk at a time. When a month old we feed part skimmilk and begin a grain ration at the same time. At 2 months old they are on skimmilk altogether and in addition get a quart of mixed oats and bran each, twice a day. We never have a stunted calf and very seldom a sick one. By feeding them in this way they make a thrifty growth and sell well the next fall at from \$15 to \$20 each. Sometimes we let the calves run with the cows until they are 6 months old, then sell for veal on the Kansas City market. A good veal at that age will sell from \$14 to \$18. But the most profitable calf is the one kept until 2 years old and sold. A good animal of this age will bring around \$40 here at this time.

Burden, Kan.

E. A. Millard.

Teach Them to Drink Early.

[Prize Letter.]

Mr. Editor—I let the calf have its first feed from the mother. The longer it is left with the cow the longer it will take it to learn to drink. I teach them to drink by giving a small quantity of warm milk and slipping two fingers into the mouth, lowering them into the pail until the calf gets some milk, then withdraw. When 3 weeks old I begin feeding skimmilk and at 6 weeks old I have them on skimmilk exclusively. At a month old I begin feeding grain by putting a handful of cornmeal in the milk bucket after the calf is through drinking. As soon as they get to eating well I feed shelled corn and as much hay as they will clean up. I always feed each calf by itself and keep their vessels clean. I like to have cows come fresh in the fall as the price of cream and butter is better then.

Vinita, Okla.

J. O. Lambert.

Cleanliness Means Health.

[Prize Letter.]

Mr. Editor—We raise from 7 to 13 calves a year and have only lost 2 in 15 years. We take the calf from the cow as soon as licked dry, place it in a dry pen, and do not try to feed it until it shows signs of being hungry. The cow is then milked and the milk immediately fed to the calf. You may have to let it suck your finger a few times but it will soon learn to drink alone. In a few days a strap is put around its neck and it is taught to stand tied. I tie all calves before feeding them in the evening and leave them tied until after feeding in the morning.

At about a week old, depending on the life the calf shows, we begin substituting a little skimmilk for some of the whole milk and at the end of another week the calf is on diet of skimmilk alone. To this is added a tablespoonful of oilmeal to take the place of the fat that the whole milk contained. You will be surprised to know how soon a calf will eat grain. Give them a little in a trough at least once a day, also some bright hay. The milk from the separator goes directly to the calves and not long after the last milk goes through the machine the last calf has been fed.

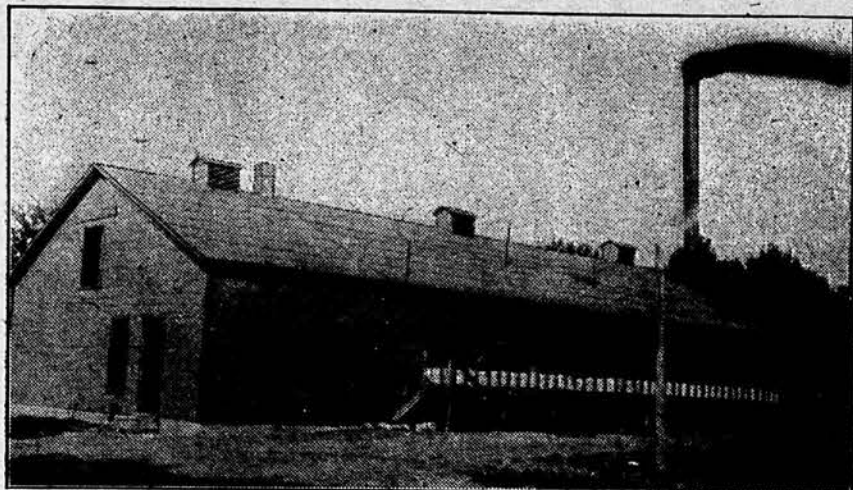
I keep the pens clean, have plenty of dry bedding under the calves, and once a week or oftener clean the pens out thoroughly. We prefer to have our calves come in the fall. They are well housed and cared for through the winter and by spring are big, lusty fellows. They are put in pasture by themselves about May. We give them milk and grain until they go on pasture. We are not troubled with scours. The calves are thrifty, smooth, and always ready for their feed.

J. H. Poister.

R. 1, Enterprise, Kan.



Promising Jersey youngsters on the Linscott farm, Holton, Kansas.



Council Grove's Independent creamery has revolutionized dairying in its vicinity. It is now making 1/2 million pounds of butter per year besides cheese. The price paid for butterfat in whole milk this winter has ranged from 37 to 40 cents per pound.

How a Kansas Creamery Grew It Took Better Cows to Make It Prosper

KANSAS and other nearby states are often looked upon as offering little inducement for independent creamerymen to invest money. Complaint is made that the centralized creameries are in full control with small chance for an independent manufacturer to wedge in. The Independent Creamery company, at Council Grove, Kan., may or may not be an exception. This creamery has been under its present management for three years. It was bought by N. W. Edmunds, a professional butter and cheese maker



N. W. Edmunds.

with 24 years of experience in operating creameries. The plant was fairly modern when bought but had a very small patronage, churning but once a week during the winter of 1909-'10.

The new manager set to work to rebuild the creamery and add new equipment, all of which has been completed. But the success of the creamery was not assured until some real dairy cows were placed on the farms from which the creamery drew its raw material. In October 1912 the first shipment of good dairy stock, three carloads of grade Holsteins, were distributed in this territory. This was followed in January by three more carloads of the same kind of stock. A third shipment will soon be ready to leave New York for Council Grove.

"The introduction of dairy cows seemed necessary if farmers were to make money at milking," writes Mr. Edmunds to the Mail and Breeze. "Farmers are waking up to the advantages and profits to be had in keeping good milk cows. I consider that Kansas is fast coming to the front as a butter and cheese making state."

This creamery now has 15 branch cream-buying stations and is making a half million pounds of butter per year. Last November cheese making was added to the creamery's business, enabling it to make use of the surplus whole milk. The price paid for butter fat in whole milk this winter has ranged from 37 to 40 cents per pound.

Selling Milk For Canning

BY N. W. WHEELER.

[Written for Farmers Mail and Breeze.]

Editor's Note.—The milk condensary is a new institution in Kansas, the factory located at Mulvane being the only one in the state. Mr. Wheeler's report indicates that this is a very desirable enterprise to have in a community suited to dairying. On a quarter section of land, with the aid of a silo, he is milking 55 cows and selling 800 to 900 pounds of milk a day.

On October 15, 1911, I moved to Mulvane and began dairying with 10 cows. My herd now consists of 30 Shorthorn cows, 19 Red Polls, and 6 Holsteins. I also have 8 purebred Holstein heifers, and

24 Shorthorn calves raised in the herd. The poorer grade of calves are disposed of and I only keep the good ones. I have been doing the same thing with my herd of cows, selling the poor ones and replacing them with better animals. I now have cows worth from \$80 to \$180 each. My best cows are twins, weighing 900 and 920 pounds respectively. They are averaging 54 pounds of milk each daily.

I have a concrete block silo, 16 by 40 feet in size that I find to be a fine investment. I shall build another of the same size soon. I have two dairy barns, one 40 by 28 and the other 36 by 30. I keep hogs in the lot with the cows so there is no feed wasted. The cows are fed in the barn twice a day. Their rations are made up of silage, alfalfa hay, shredded fodder, bran, corn chop, and chop made from Kafir heads. I have a mill and engine and grind my feed. A running stream furnishes stock water.

I am delivering 800 to 900 pounds of milk daily to the condensary at Mulvane for which I receive \$1.15 to \$1.90 per 100 pounds, the price being up in winter and down in summer. During the last 16 months I have sold milk to the amount of \$4,682.20, from an average of 20 cows summer and winter. My lowest monthly check was \$93.72 and my highest \$471.82.

I consider this condensed milk factory a big thing for this section of the country. And it is increasing land values. In the last 16 months my land has advanced from \$75 to \$100 per acre as I have refused the latter figure for it.

Mulvane, Kan.

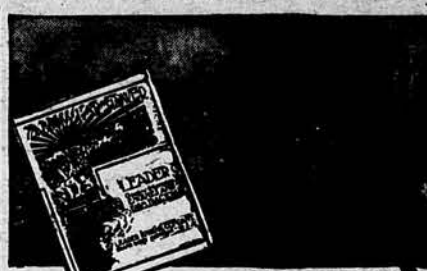
Useful and Appreciated.

Mr. Editor—I want you to extend my subscription to the Mail and Breeze. I certainly appreciate the reading of your paper. It is full of good information.

Francis Borrelli.

R. 1, Dover, Okla., February 2, 1913.

In writing any of our advertisers, always mention Farmers Mail and Breeze. You will get a quick reply if you do.



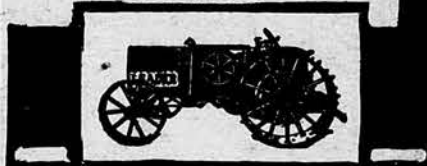
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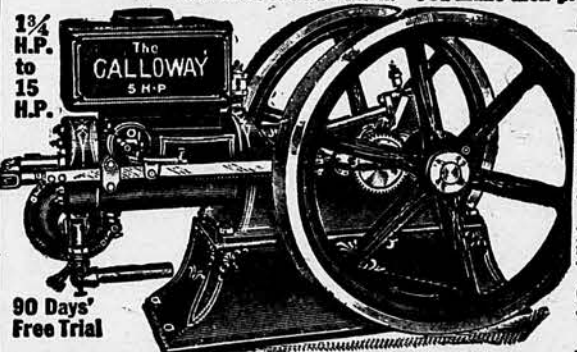


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—use it right on your own farm for one month, two months or three months absolutely free. Write at once for my 1913 catalog—pick out the size and style engine you want me to ship you on this free offer—I'll ship it immediately. Put it to work on your farm the day you get it. Keep it working every day. Watch it carefully. Compare it with any and every engine on the market that you can get a line on, no matter what the price. If anybody else is trying to sell you an engine, tell them to make you the same offer and let you be the judge. Tell them you don't want any engine salesman trying to influence your judgment—you're buying engines for your own use. Don't listen to a man who isn't willing to let you judge his engine on its merits. The man who is afraid to meet me on that kind of a proposition is no man for you to do business with. Keep my engine a whole month or even two months or three months if you want to, charges both ways, so that you won't be out one single cent for anything. If you do decide to keep the Galloway, just tell me so and I'll give you the benefit of the biggest and most liberal engine offer ever made.

I'll Save You \$50 to \$300 Sure!

I'll make you an actual present of \$50 to \$300. I'll positively guarantee to save you at least that much in the first cost alone. I'll sell you a Galloway direct from my factory where it is made. You pay me just what it costs to make it plus one very small profit—that's all! There are no jobbers, wholesalers, retailers, salesmen or middlemen. You make their profits yourself when you buy a Galloway.



The Only Way Is the Galloway

That's the way to buy an engine, and it's the only way that's absolutely fair to you, and that's the only way that I'll sell an engine, because I won't keep a dollar of any man's money unless he would rather have my engine than the cash. When a man will tell me that—then and not until then do I consider a sale as made. Every single man who does business with me is absolutely protected by my

\$5,000 Challenge—\$25,000 Guarantee

I back every promise, every statement and every claim with \$5,000 in cash. I protect every one of my customers by a \$25,000 guarantee of absolute satisfaction. Understand, I don't say reasonable satisfaction but ABSOLUTE satisfaction—AND YOUR WORD is always good with me.

Special Service Bureau FREE

My force of high salaried Engine Experts are at your command absolutely without charge. They will tell you how to select exactly the engine which is best suited for your particular purposes; how to test and judge an engine; how to use one to best advantage; how to fit up a power house—besides answering fully and completely any question about the care and operation of an engine. This is absolutely free to you whether you buy a Galloway or not.

Important! Get My 1913 Proposition

This year, I've got something better to offer than I ever had before. I've got a plan by which you may get your Galloway Engine either wholly or partly free and, besides, without any soliciting or canvassing, whatever. I can't explain it now, but I tell you all about it in a personal letter when you write me.

Engine Book FREE

Now, don't wait a minute. Get my Engine Book and my special 1913 offer right away. I just want you to fill out the coupon or mail me a postal or letter, that's absolutely all I ask. If you haven't got a pen or pencil handy, go and get one and write me right away.

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CAPPER BOYS CORN CLUB

Founded 1907



by Arthur Capper

SOME of the boys are undecided as to what variety of corn to plant. The best advice we can give along this line is to select seed from the variety that has given best results in your neighborhood and under conditions such as you will have for your corn. Seed from too far away is not always safe to plant, no matter how well it may have done elsewhere, as soil conditions and climate may have been entirely different. Of course, after it has been grown in your locality a few years it will become acclimated as we say, and there will be little or no risk in planting it then.

What Variety to Plant

If you have been reading the "Ways, Means and Results" page the last few weeks you will notice that there is a discussion in progress as to whether white or yellow corn will make the better average yields. There are good arguments on both sides, but the yellow varieties seem to be more generally favored judging by the number of letters that place them first. Here are a number of varieties recommended by Kansas Agricultural college:

Name of variety.	Type.	Maturing season.
Kansas Sunflower	Yellow-Dent	Medium-Late
Hildreth	Yellow-Dent	Late
McAuley	White Dent	Medium-Late
Hammett	White Dent	Medium early
Mammoth White	White Dent	Late
Hiawatha Yellow	Yellow-Dent	Medium
Griffing Calico	Yellow-Dent	Late
Boone County White	White Dent	Medium
Reid's Yellow	Yellow-Dent	Medium early
Hogue's Yellow	Yellow-Dent	Medium early
Leaming	Yellow-Dent	Medium early
Legal Tender	Yellow-Dent	Medium early
Silver Mine	White Dent	Medium early

Silver Mine, McAuley, and Hogue are perhaps the best adapted to western Kansas. The seven varieties first named are native to Kansas, that is, they were originated in this state. The others were introduced from other states and are recommended for growing as soon as acclimated. As to whether it would be best to plant an early or a late maturing kind, that would depend almost entirely on the season and your local conditions.

Corn Contest Rules

Any boy under 20 years old may enter the Capper Boys' Corn-growing Contest, for which cash prizes are offered in four states, namely: In Kansas, in Oklahoma, in Nebraska and Missouri. For best acre yield in each state \$50; for champion single ear in each state \$25; for best ear in each state from seed of a boy's own raising \$25.

There is a separate contest for boys in Shawnee county, Kansas, in which \$25 is offered for champion ear in that county, \$15 second prize, \$10 third prize.

All contestants in the Capper Boys' contest are to furnish their seed and must do all the work of preparing the ground and planting and cultivating their crop themselves.

In the acre contest each contestant will keep track of the number of hours' work performed by himself and his team and be prepared to render a report of the methods he used, on a blank to be sent him at his request before the end of the contest, December 1, 1913. The acre may be a part of a field of corn or a single acre.

Capper Boys' Swine Club

We should like to hear from the boys who have selected their pigs and are getting ready for the pig feeding contest. Of course, there is little to do as yet for the old sow will do the best

job of raising the young porkers for the first few weeks. It is advisable to get on good terms with the pigs right from the start. All feeders know that a tame animal, not easily excited or frightened, will put on gains more quickly than the other kind that are always ready to jump through the fence when anyone comes near. When a boy, one of the delights of the writer was to go into the pen (if the old sow would let him), and coax the little pink nosed porkers to take grains of corn from his hand, which they will do at a very early age. Taming an animal is not a difficult job if you begin early.

CONTEST RULES.

To be eligible to enter the Capper Boys' Pig Contest at the Kansas State Fair (Topeka or Hutchinson) a boy must be 20 years of age or under March 1, 1913. He must own and feed his pig. The pig must be purebred, eligible to record, the sire and dam being recorded in the proper record association, and be of one of the following breeds: Poland China, Berkshire, Duroc-Jersey, O. I. C. (Chester White), or Hampshire, and farrowed after March 1, 1913, on the home place or land.

The prize will be \$30 in cash—\$15 going to first award, \$10 to the second award and \$5 to third award.

All four of the breeds will compete and the entry may be either a boar pig or a sow pig.

The prizes will be awarded by the regular swine judge or judges of the fair. Pigs shown in the regular classes at the fairs will be eligible to this class.

To join the Capper Boys' Swine club and to enter the contest all you have to do is to fill out and mail the entrance blank on this page as directed and you are ready to begin when you get your pig.

Capper Girls' Tomato Club

"I want to join your tomato contest," writes Della Eaves, aged 13, of Manchester, Kan., "for you have the best contest running that I know of. I have



Goldie Bennett and Her Mail and Breeze Dress.

never entered a contest before but would surely like to win a prize." Well, there are a good many other girls of the same mind with Della. One of the interesting letters that came to the desk of the Tomato club man last week told of a masquerade social at Otego, Kan., in which Goldie Bennett, aged 5, won

Summer and Winter and in Between—

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Wherever you go—in tropical or zero weather—and whatever the make or type of gasoline car you drive, there is one oil that reduces the motor friction to the point where the greatest power develops and cuts down the upkeep cost by eliminating unnecessary repairs. That oil is Polarine and it is sold everywhere. Always flows freely—even at zero—and maintains the correct lubricating body for any motor speed or heat. Made by the world's oil specialists after 50 years of experience in scientific lubrication. Use it and add to your motoring pleasure.

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Every kind of Hay that Grows Green, Dry, Short or Tall—Louden's Balance Grapple Fork Grips and Lifts them all.

This fork is absolutely different in both principle and operation from any other hay fork built. It's the only fork that grips a big load and holds it true—the only fork that works equally well in all kinds of hay. The only fork that is a perfect success in Clover, Alfalfa, Straw and all short stuff.

Louden's Balance Grapple Fork

lifts half a ton of dry Clover or Alfalfa. It carries bigger loads, with less dribbling, and moves hay faster than any other hay fork on the market. Good in the barn or for stacking in the field.

You also need LOUDEN'S JUNIOR HAY CARRIER, the powerful, all metal carrier that never sticks and CAN'T BE BROKEN DOWN.

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LIFTS HALF A TON

first prize. She had on a dress made of copies of the Mail and Breeze. The picture will give an idea of how she appeared in her unique costume.

CONTEST RULES.

Any Kansas girl 10 years old and no more than 18 may become a member of the Capper Girls' Tomato club and contest for the prizes.

Each member is to plant and tend a plot 33 feet each way. The men folks may plow and harrow the patch to prepare it for plants or seed, but the rest of the work must be done by the contestant.

Each member must keep a record of the weight of all tomatoes picked and report the total number of pounds of the entire yield at the end of the contest. Also how the crop was disposed of—both canned and sold—or for home use.

The contest will end October 10, 1913. A blank form of report will be sent to each contestant at the end of the contest.

The member growing the greatest number of pounds of tomatoes on her plot will be awarded first prize, \$25 in gold. The one getting the next largest yield will receive a cash prize of \$15. The third prize is \$10. To insure fairness to all contestants the winning reports will be verified.

To join the Capper Girls' Tomato club and participate in the contest fill out and mail the entrance blank on this page as directed and you will be ready to begin your preparations.

The secret of successful chick feeding is "often and little at a time."

Know You're Right

Weigh your grain, stock and coal yourself and know positively you're getting a square deal.



The McDonald Pitless Scale

weighs accurately every day in the year. Protected bearings cannot freeze. No pit required—everything above ground.

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The well-known poultry authority, Reese V. Hicks, has written an intensely interesting and practical book that should be in the hands of everyone interested in raising poultry.

This book, "Tricks of the Poultry Trade," tells three methods of selecting the laying hen; A sure and certain method of selecting eggs for hatching; How to raise 500 chickens on a lot 30 by 40 feet; How to build a natural hen incubator; How to build feed hoppers and fireless brooders; How to make feed at 10 cents a bushel; How to make winter egg ration, poultry feeds and tonics, egg preserver, louse killers, etc. All these and many more subjects are fully covered in this great book which we're giving away FREE on this plan:

OUR OFFER: We will give you one year's subscription to our big weekly farm Magazine, 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, Mail and Breeze, Dept. PC-10, Topeka, Kansas

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The famous WITTE Gasoline Engine, built for 45 years by Ed. Witte, master engine builder, now sold direct to you. The standard engine of America, with every improvement up-to-date—detached cylinders, vertical valves, etc.—the entire engine backed up by a Real 5-Year Guarantee. Just think! It takes only 20¢ to get the money-saving, factory prices on 54 styles and sizes. Save money! Write at once for FREE TRIAL OFFER and catalog. State style and also wanted. Address

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Entrance Blank

ARTHUR CAPPER, 800 JACKSON STREET, TOPEKA, KAN.

Please enter me in the
Boys' Corn Growing contest.
Boys' Swine contest.
Girls' Tomato Growing contest.

(Draw a line through the contest you do not wish to enter.)

My name is.....

P. O. or R. F. D.

State

My age is.....

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

Where Do You Stand On? This Sugar Tariff Question?

DO YOU want the American beet sugar industry destroyed? Do you want to wipe out a growing industry—one of the very few that are of direct benefit to American farmers? Do you want sugar prices controlled by a trust? Do you want the price of sugar raised? Do you want to enrich a few sugar importers and support foreign laborers at the expense of American farmers, workmen and manufacturers? Or—do you prefer a FAIR DEAL TO ALL—fair prices, regulated by supply and demand only—the building up and encouragement of a rapidly growing industry that benefits thousands of American farmers.

Removal of Tariff Will Benefit Only the Trust

Importers of foreign sugar, dominated by the **Sugar Trust**, seek to have the tariff on sugar lowered or removed, which if put into effect means that the American beet sugar industry will be completely crushed and the revenue-stealing trust will absolutely control the sugar situation. They will lower the price of sugar temporarily until the beet sugar industry is annihilated, absolutely wiped off the map—then watch the price of sugar soar—up! up! up!!!

Read this brief paragraph from U. S. Senate Document No. 890, which tells the story in a nutshell:—

"Knowing that with the prevailing high wage rate of the United States, sugar produced in this country could not compete with the raw sugars they purchase from low wage rate countries, unless a reasonable duty were imposed upon such sugars, the American refiners of foreign raw sugar are expending large sums of money in an effort to obtain free raw sugar from foreign countries, which would destroy their only competitor, after which they could raise the price of sugar at will."

This Is Important to You—Act Promptly

It is up to you to take a positive stand on this sugar tariff question—and at once. By prompt, energetic action you can help hold this great American industry for the American people. By delay or neglect, you will assist sugar monopolists to crush the great beet sugar industry of America, their only competition. You will enable the Trust to gain absolute control of the sugar supply, and exact heavy toll on every pound of sugar sold to you and to the millions of other Americans.

Do you stand for any such tyranny? If you don't, then enter your most vigorous protest against the lowering of tariff on sugar—and do so at once! Write your congressman today, explaining that you are opposed to any reduction of the tariff on sugar. Don't delay—do it now.

We appeal to you on behalf of the thousands of American farmers who grow sugar beets, the manufacturers who make beet sugar, and the thousands of American workmen employed in sugar factories. Don't put this matter off—it's too important.

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We want to send you, free, a copy of U. S. Senate Document No. 890, entitled "Sugar at a Glance." Just fill out and mail the coupon below and the book will be sent you free. This book gives you all the facts about the sugar industry; it also tells how you can increase the fertility of your land by growing sugar beets. Get the book now—you can then judge the case clearly and help build up the beet sugar industry of the United States by following the plan outlined to you. Fill out and mail the coupon now, before it gets lost.

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BEET SUGAR INDUSTRY**

TRUMAN G. PALMER,
Sec'y United States Beet Sugar Industry,
Washington, D. C.

Please send me the free book—"Sugar at a Glance"—which tells all about the beet sugar industry and explains how I can increase the fertility of my land by growing sugar beets. The name of the Member of Congress from our District is

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Water From a Silo's Top A Tank So Placed to Supply the House

By C. R. INGRAHAM, Riley County, Kansas
Written for Farmers Mail and Breeze.

I BELIEVE I have something which no other man in Kansas has today—namely, a concrete silo with a concrete water tank on top. My wife and I wanted the conveniences of the city without moving in and this accounts for the tank on the silo.

The tank will hold about 175 barrels. The water is pumped into it with a windmill through a 1½-inch pipe which goes up inside so as to prevent freezing. The overflow pipe is shown in the picture. There is a water gate to which a hose may be attached and water let down to wet the silage. Laterals lead off from the main pipe to the house, barn, hog pasture, and feedlot, all being laid 3½ feet underground to prevent freezing. In the house the water is connected up with the kitchen range boiler and sink, a hot-water heating plant, and bath room. The pressure is about 20 pounds per square inch. With these conveniences on the farm, and a new automobile just bought, I have no hankering to trade places with the fellow in town.

I have 165 acres on the Blue river 2½ miles north of Manhattan and have a fine sand bar of my own where I could get all the sand for the effort of hauling it. The machine for mixing the concrete was rented of George Hopper of Manhattan at a cost of \$75. I furnished all materials and help and the entire cost of putting up the silo and tank was about \$400. The structure is 42 feet high and has an inside diameter of 14 feet.

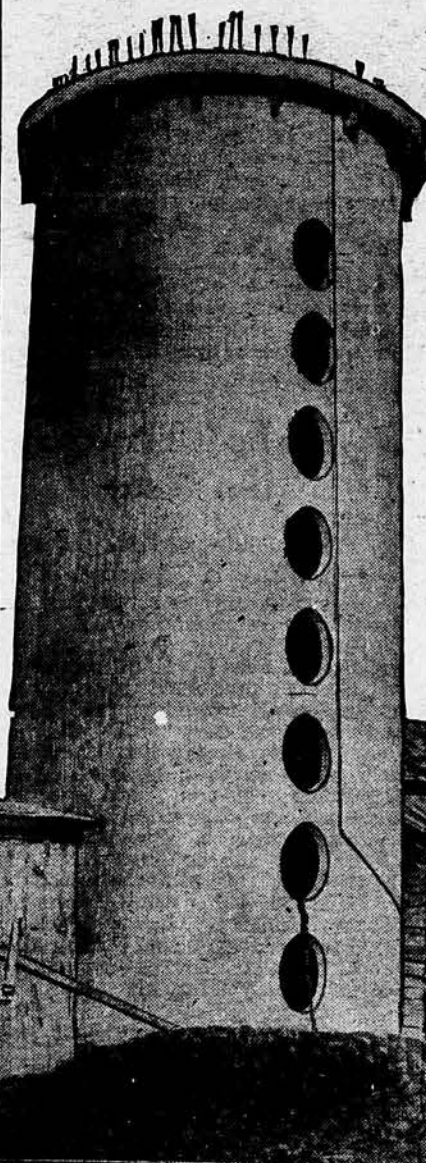
We began by digging a hole 3½ feet deep and 16 feet in diameter. A trench was dug around the edge of this, 2 feet wide and 18 inches deep. This was filled with a 4 to 1 concrete mixture. Next day the machine was set up and from that time on 4 feet of the wall was put up every 24 hours, until the point was reached where the tank floor was to go in. The forms were just 4 feet high and as the concrete had to set for 24 hours, 4 feet was all that could be built in a day. Each morning the forms were un-

bolted, raised and scraped clean to make a neat job.

The silo wall is 6 inches thick. For reinforcing we first placed 16 steel rods perpendicularly in the center of the wall, one at each T-iron which made them about 3 feet apart. Half-inch wire cable was placed in the wall, three times around, in each 4 feet. When the tank was reached, 32 steel rods were used in the wall. The picture will show these sticking out at the top. Later when the roof is put on these will be bent over for reinforcing the concrete roof. The roof will be cone-shaped and about 3 inches thick.

When the tank floor was reached the inside forms had to be taken down. A very strong frame of 6 by 6 timbers, was then built inside the silo. These timbers were 16 feet long, set on top of each other and braced with 2 by 8's. Five 6 by 8 timbers were then placed on top and a floor of 1 by 12-inch boards laid. This was covered with tar paper to

stop up all cracks. A short length of pipe was put in position near the wall.



The Ingraham concrete silo near Manhattan, the upper portion of which is a water tank affording a 20-pound pressure per square inch. The water is piped to the house, barn, and feedlots.

A hole had to be left in center of floor for the pole of the machine which was 60 feet high. A 6-inch coupling was placed in this hole so the pole might turn freely. When the silo was finished this hole was plugged up.

The reinforcing in the floor is of steel rods, placed crosswise in three different directions. The concrete for the tank was mixed a little richer, being a 3 to 1 mixture. The tank is 5½ feet deep, with inside diameter the same as the rest of silo. The floor is 10 inches thick and required 55 sacks of cement and 6 loads of sand. The tank was heavily brush coated with cement, inside and out. The cornice is a foot wide and the blocks of wood shown in the picture were placed to hold the form for it. These blocks will be taken down and there will not be a single piece of wood about the structure except the silage chute.

I kept close tab on the amount of material used and found that for every foot of wall 6 inches thick and having a diameter of 14 feet, 7 sacks of cement were required. Every 4 feet of wall required 1 sack of cement for brush coating which was put on each forenoon after moving the forms. Three yards of sand were needed for each setting of the forms, or 4 feet. The doors are placed 4 feet from center to center and are covered with steel disks costing \$2.50 each.

Parcel Post Not Perfect

Mr. Editor—I sent 3¼ pounds of candy and a loaf of fruit cake, about the size of a teacup, in a pasteboard box labelled candy, to Arizona. The box was torn open, the cake taken out and a part of the candy. I would have the parcels opened at the starting office, properly stamped and then done up safely and sent on their way. How can you send fruit or eggs or anything else when every clerk can open the package and help himself, and no penalty? Mrs. O. W. Dawson.
Hamilton, Mo.

If one knows when a cow is coming fresh it is a good plan to start feeding her about 2 pounds of bran three weeks beforehand, increasing the amount gradually. This will put her in the right condition for calving.

Where a Silo May Fail

Some Silo Types and Experiments

IN A RECENT issue of the Mail and Breeze the crop correspondent for Major county, Oklahoma, seemed to try to discourage the silo proposition. He said that many silos were standing empty and that most of the farmers who spoke in favor of them were agents for some silo company.

I do not consider that quite a fair representation. I believe the main reason why these silos are standing empty is because their owners did not use enough foresight in putting them up. Many a farmer, after reading about the many good qualities and advantages of silos, will put one up without carefully considering the size, crops to put in it, whether or not he will have enough stock to warrant the expense, etc. He will find out too late that one or the other of these factors has made the silo a losing proposition for him and will neglect it after the first year. Because a silo is a good thing it does not follow every farmer, no matter how situated, can put one up and get rich from it.

I live in Major county, have a silo, and think they are a very profitable investment for a farmer who has use for them. And I am no silo agent. If you have a good bunch of milk cows, or enough yearling calves to take through the winter, or if you are feeding cattle for the market, put up a silo and don't be afraid of the results. I have a one-piece stave silo, of Oregon fir, and believe they are the best wooden silo made. I might prefer a cement silo, however, if properly built.

Fairview, Okla. J. E. Davison.

A Cistern That Became a Silo

BY THE REV. B. D. BROOKS

[Written for Farmers Mail and Breeze.]

Editor's Note—Mr. Brooks is pastor of the Methodist church at Bunker Hill, Kan. Being of a receptive frame of mind he made practical use of a suggestion dropped by one of the Agricultural college lecturers, and converted his cistern into a silo. His experiences are likely to benefit someone similarly situated who has a cistern to spare.

In the rear of the parsonage I have a small lot, about 60 by 160 feet in size. This had been used for a horse lot all last winter, so it was very hard by spring. I plowed it early then listed it to red cane the latter part of May, using a corn planter plate. I got the heaviest crop of forage I saw in traveling over several counties. Others who saw the crop made the same statements. Needless to say I did not raise any weeds in this patch and used the hoe and rake quite freely.

I heard the lecturer on the agricultural train speak of the underground silo, so decided to experiment with part of my cane crop in an old cistern on the place. I filled this cistern about August 19. I borrowed a hand power feed cutter from a neighbor, also a small sled to which I hitched one horse for hauling up the cane. I would haul up a sled load, cut it into the cistern, then go down and tramp it in. As I weigh a little more than 200 pounds I think the silage was fairly well packed.

The cistern is about 4 by 12 feet in size and it took about a third of my crop of cane to fill it. After filling it I poured three or four buckets of water over it every other day for a week, as directed by the literature received on the lecture train. On opening the silo I found, of course, some silage spoiled, about a foot or so mostly around the edge. This leads me to believe that there would be a much smaller proportionate loss in a larger hole.

I have five ponies and not one of them would touch the silage at first. But as I had seen it fed to horses I taught them to eat it by withholding their grain for a few days, save to mix some bran with the silage. At the end of a week they seemed to relish it so much that they would almost leave their oats for the silage. One of them scoured until I had to stop feeding it to him. He eats it again but not as well as the rest. I now feed a half bushel measure to each pair of ponies once a day, with one dry feed in addition. They seem to be doing well on this feed.

I draw the silage out with a rope, first

going down into the cistern by means of a small ladder, to fill the receptacle. This is not as inconvenient as I had anticipated. If I were a small farmer with limited means I should build a good portion of my silo underground, at least 8 or 10 feet of it. The silage could easily be thrown out with a fork that far.

I feel sure an underground silo would be a most excellent investment for the average farmer. I would feel equal to filling a much larger hole than mine, and with a hand cutter too. The tramping was the hardest part of the work for me.

Bunker Hill, Kan.

Silage From Corn and Kafir

[Prize Letter.]

Mr. Editor—This is the second winter I have been feeding from a silo. I have used both Kafir and corn for silage but find corn with plenty of grain in it makes the best feed. In 1911 I partly filled a silo with corn that would have made 12 bushels per acre. It was finished with Kafir that would have made about 40 bushels. In this case the Kafir silage was far the better. Kafir will make more silage per acre.

It is better to cut corn for silage too ripe than too green. When overly ripe one can easily put water on the silage and make good feed of it but when too green it will spoil and you also lose part of the growth of the crop. The time to cut corn for the silo is when the corn is made and in the dent, with the husks beginning to ripen.

Coming out of the silo warm, silage makes a good feed for winter where other feeds are cold or frozen. This warm silage aids digestion. Besides, it is so much more convenient to handle in stormy weather and there is no waste. I believe a silo will pay for itself in two or three years in the saving of feed that would otherwise be wasted.

I find the stave silo all right. There are four in this neighborhood and two of the cement type. I have not been able to learn how the feed keeps in the cement silos.

Elk City, Kan. E. J. Lewis.

Sugar Barrel For a Silo

Mr. Editor—I am going to try a sugar barrel of Kafir silage next fall. I will put it in the barrel, then tighten the head back in the barrel.

F. W. Meyer.

Hollow Rock, Tenn.

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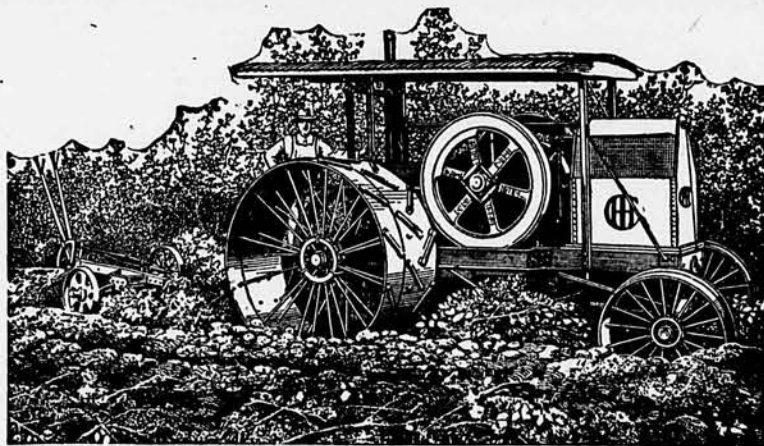
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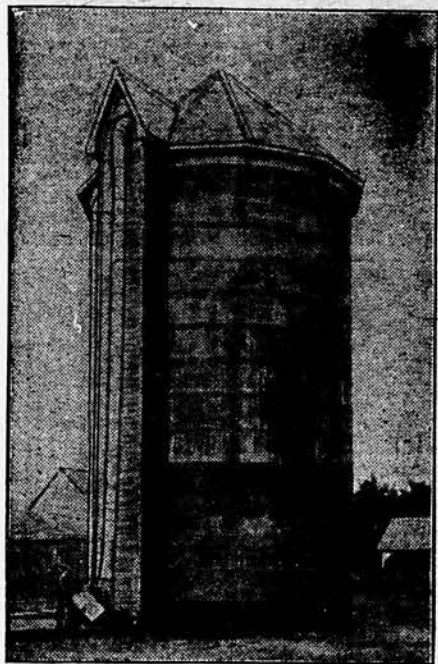


Cost of a Concrete Silo

BY C. L. KING

[Written for Farmers Mail and Breeze.]

My silo is of concrete of the solid wall type, and is 20 by 40 feet in size. The college at Manhattan sent G. C. Wheeler to superintend the starting of it. His services did not cost me anything except that I paid his expenses coming and going which amounted to \$12. Mr. Wheeler helped us one week. After that I engaged W. P. Bayless to superintend the work. We were about 19 days doing the concrete work, but were hindered somewhat on account of having to wait for material. Sixteen days is about



Mr. King's silo from a photograph taken just after filling.

the time that would be required to build a silo 20 feet in diameter and 40 feet deep, and I believe if one had every thing in readiness and water convenient four men would do the work.

The wall is 6 inches thick and we used coarse sand 3 parts and cement 1 part. It took 460 sacks of cement, which includes a floor in the bottom 4 inches thick. The forms complete cost \$65, the iron for ladder and surrounding doors \$35 and reinforcing wire \$50. Lumber for chute and in roof cost \$67 and the carpenter's work \$75. Including every item of expense my silo has cost \$677.45 but I think one could be built by an experienced man for considerably less.

We began filling this silo August 13. It took three and three-fourths days to do the filling and 60 acres of corn lacked 2½ feet of filling it to the top. After that the silage settled 5 feet. The corn used would have made 20 bushels per acre and the fodder a little heavier than an average crop although it was not as thick on the ground as I think it should be if planted for silage purposes.

The total cost of filling this silo was \$317 or about \$1.27 a ton. I paid \$12 a day for an engine which, I think, was more than it ought to have cost. I began feeding silage December 30, and found it had spoiled about 1 foot down from the top and from the walls inward about 15 inches for 3 feet down. The next 2 feet was spoiled in about 6 inches. From there down, there has been practically none spoiled.

I am not feeding any stock cattle but have 100 head on full feed. In addition to 20 pounds corn and 3 pounds cotton seed meal they eat about 18 pounds a head a day of silage. I believe they are making a better gain than any cattle I have ever fed although the favorable weather is one thing to take into consideration. Still I am well pleased this far with the silo and silage as feed. A good many people are afraid of a concrete silo on account of having been told they would crack. So far mine has not showed a sign of a crack.

Protection, Kan.

A Third Less Corn in Argentina

The estimated production of corn in Argentina, this season is 196,842,000 bushels, or 33.5 per cent less than last season's production. The report is made to the U. S. department of agriculture by the International Institute of Agriculture at Rome.



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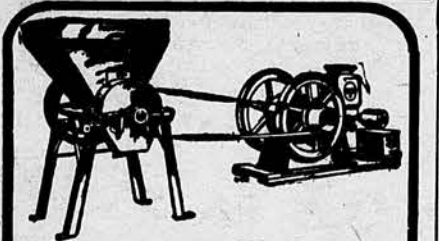
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Solid Wall Silo Building

BY H. E. HOSTETLER.

[Written for Farmers Mail and Breeze.]

In building a silo the first consideration is a good location. Build it where it will be handy for feeding and where you will have plenty of room in filling it. Do not build it too large in diameter. This is one mistake many small farmers make. I have a picture of a solid concrete silo back in Indiana that is 11 to 51 feet in size. Just because a farmer happens to have 35 or 40 head of cattle the first year is no good reason why he should build his silo 18 feet in diameter. You may not have that many cattle every year and maybe your grandchildren will want to fill it some day. It is wise to look to the future.

With some people the first cost of a silo is the most important item, but in buying a silo one must not lose sight of the long years of service it will give. The life of the wooden stave silo is said to be about 15 years. Our experiment station tells us that concrete silos should last 50 years. If they will last that long, why should they not be good for 100 years? And you only need to put them up once.

Where one can get sand it is my opinion the best type of silos is the solid concrete style. The cement block and cement plastered silos require more expensive labor. If farmers in the East, where there is less wind and dry weather, are putting up concrete silos, why should we consider the wooden silos?

Build your silo 35 to 40 feet high, with the diameter corresponding to the needs of your farm. The greatest objection to putting up solid concrete silos is that a single set of forms will not suit everybody. One man will want this size and the next another. In making a set of forms for general use it would be well to have them small say 12 feet in diameter. Then in cases where these would not be large enough two silos could be put up. Two years ago I made a set of forms at a cost of \$100. These have now been used in building 11 silos. If you do not know exactly what you want in the way of forms it is a good idea to make them after the Manhattan plan.

We built our silo in the spring of 1911. It is 15 by 30 feet inside and holds 105 tons of silage. We made the forms and put up the silo at the following cost, exclusive of labor:

200 sacks cement	\$90.00
Reinforcing, bolts, etc.	24.75
Doors and chute	15.00
Shingle roof	30.00
Use of forms	20.00

Total\$179.75

The foundation is set in the ground 3½ feet deep. The floor is 1½ feet and the wall 1 foot thick. The silo wall is 6 inches thick. I used 1 part of cement to 4 parts of sand, about 1¼ yards of sand to the load. My forms are made of flooring with two sets on the inside each 4 feet high, and three circular rims to hold them in place. There are four sets of outside forms, each 2 feet high. There were seven sections in each circle of the outside forms and these were bolted together when in use. In this way I could leave on one set of forms, move one set up from below, and by this means I built 4 feet of wall per day. I made the door frames with a groove on the inner edge so the doors were flush with the inner surface of the silo when put in place.

For scaffolding I set four 28-foot posts about the silo and guyed them with ¼-inch cable from the top. A platform inside these posts was hoisted up by means of a block and tackle wire stretcher at each post. Holes were bored in the posts and pins held up the platform.

For reinforcing I used 41 rods of 26-inch hog wire fencing and 100 pounds of No. 9 smooth wire. To hold the wire in the center of wall I put in a 5-16-inch rod every 3 feet, set vertically. On other side of the door I put in a 1-inch gas pipe to which to fasten the ends of the wire reinforcing. Every 2 feet across the door opening I placed a 1½-inch pipe which protects the wires that tie together.

I would like to have a second silo about 10 by 30 feet in size for summer feeding. I would then be able to keep more cows than my pasture will support now.

R. 1, Harper, Kan.



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The Saginaw stands strong and immovable as a big City Skyscraper. No storm can twist it or tilt it or shift its foundation. And every pound of Silage that goes into a Saginaw comes out bright and clean. That's why leading farmers choose it. Write! Our latest Silo Book is ready—the best we've ever had. Send for it (and you'll see why experienced Dairymen and Stockmen everywhere are putting up Saginaws. Postal sent now brings handsome Book 61, by return mail. **The McClure Company (formerly Farmers Handy Wagon Company)** Saginaw, Mich. Des Moines, Ia. Minnesota Transfer, Minn. Ft. Worth, Tex. Cairo, Ill.

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Perfectly adjustable, never sags out of shape or drags on the ground and fitted with a double latch. No chains, springs, or other toggle to give out and make trouble.

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this season and begin clipping the golden coupons. Kansas farmers find it pays to borrow money to tile their farms. In some instances the increased yield from one crop paid the whole expense. Names of farmers given to those who would investigate. Get the booklet, "Proper Methods and Results of Draining Land," sent free, postpaid, by

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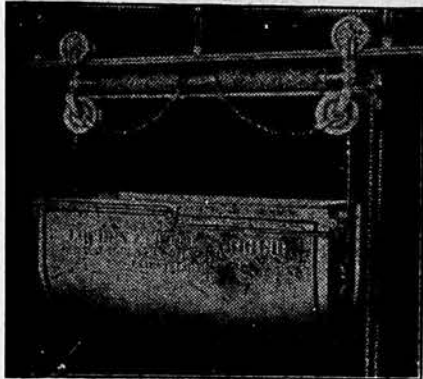
The Dairyman's Labor Saver

BY W. L. RAYMOND

[Written for Farmers Mail and Breeze.]

Editor's Note—Dairying is in no sense a "soft snap" and any device that saves time or lessens drudgery leaves just that much more strength and leisure for doing such work as cannot be done by a machine. The litter carrier is such a device. Although used to remove manure from stables, an enterprising Nebraskan, as told elsewhere in this issue, has installed one of these carriers to move his silage from an underground silo directly to the cattle feeding bunks.

The illustration represents the greatest labor saving device on this farm. The "dump" is 90 feet from the barn. At the dump we took a scoop scraper and scraped a pit 2½ to 3 feet deep in the center, rising to nothing at the edges.



The litter carrier saves a lot of heavy work in keeping stables clean.

This is as large as the manure pile is expected to be. This pit is in clay soil and was smoothed and puddled until it is water tight, thus preventing any leakage of the liquid manure. There is 200 feet of track going along all gutters and into all the box stalls through gates which open for that purpose and the carrier goes around the corners on switches which work perfectly. We have cleaned the entire barn, which shelters 32 head of dairy cattle, in 30 minutes, doing a good clean job and not hurrying, and the manure is carried where it is not rotting your barn, fouling the air, or making your yard muddy or filthy. Small boys enjoy cleaning the barn with this device. The loaded car is pushed to the door and given a vigorous shove. This sends it to the dump, where it trips automatically, dumps, and returns again. The cost is not prohibitive, and there should be more of them in use.

St. Charles, Iowa.


Amount of Moisture in Corn

Some interesting tests, showing the per cent of moisture in corn, were made at a western Ohio corn show held the middle of February. An ear of corn that was 3 years old and had been kept all that time in dry places, showed a moisture content of 10 per cent. Another ear that had been picked for seed and stored on a rack in a corn crib, where it had a circulation of air on all sides with splendid chances for drying out, showed 20 per cent of moisture. The results of the tests were somewhat surprising to those attending the show.

Stalks Alive With Chinch Bugs

Mr. Editor—I examined corn stalks a few days ago and found that there were chinch bugs from top to bottom on every stalk. Everything of this kind should be burned and in that way we can eliminate the chinch bug before spring to a great extent. In destroying the bugs we also destroy millions of eggs that have been laid. There has been a great deal of burning done thus far but there are many highways, fence rows and fields yet to be burned.

I do not know of an effective way of combatting the bugs in small grain, but when the bugs are going out of the wheat into the corn fields, a 2-gallon sprinkling can about full of water into which a pint of kerosene has been put, will stop them. When the bugs are thick on the first few rows of corn go over the rows with your water and oil and I will guarantee you will not be bothered any more that season with the bugs. In pursuing this course one must not wait until the bugs have taken a lot of the crop but must use the kerosene and water on their first appearance on the first few rows. One can of water



The Backbone of the Farm

The horse is the backbone and sinew of every farm—the call for horseflesh and muscle is continuous.

This everyday utilization of tissue and muscle must be constantly repaired and can only be repaired by *digested food*. But as the horse has the smallest stomach of any barnyard animal of its size and its feed much more highly concentrated, it is necessary to invigorate and tone up the horse's digestive organs to make sure of his getting the good out of his dinner.

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is a scientific preparation formulated by Dr. Hess (M.D., D.V.S.) and composed of bitter tonics that give tone to the general system, gentle laxatives that regulate the bowels and diuretics that act gently on the kidneys. It not only gives the workhorse spirit and stamina, but it will make your cows give more milk, your steers digest more food, and its results are especially marked when fed to hogs and pigs. It relieves the minor stock ailments and expels worms.

Our proposition: If it does not give your workhorse spirit and stamina, make all of your stock thrive better, free from disease and free from worms, take the empty packages back to our dealer and get your money back. Every pound sold on this guarantee. A 25-lb. pail \$1.60; 100-lb. sack \$5.00. Except in Canada and extreme West and South.

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 2-cent stamp. 96-page Veterinary Book also free.

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October 25, 1912.

Speed & Co.,
Kansas City, Mo.,
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I am in receipt of your letter about the price you say I quoted you in my letter of October 4th.

I have referred to the carbon copy of my letter, which shows that the price I quoted was 1½ cent a pound more than you have paid me. This makes a difference to me, on the entire shipment, of \$52.25.

Please send check for the balance due me.

Yours very truly,

Robt. Adams

Read this letter—note its legibility and business-like appearance. Smith Premier typewritten letters will increase respect for your business methods and protect your business dealings.

and oil will not go very far but a barrel full will save a large field. This method saved a fine field of corn for me last year. If one had a large orchard spray-


er he could use this solution in a wheat field also.

But we hope the burning will be done in time and for what few are left that a

heavy rain will come just at the time when the little bugs hatch out which will kill every one.

Cheney, Kan.

H. H. Rodman.



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GENUINE FROST PROOF

These plants are grown in open fields on our farms at ALBANY, GA., and GREENVILLE, S. C., from strictly LONG ISLAND grown seed.

We ship promptly, guarantee count and good strong plants, free from disease. SATISFACTION OR YOUR MONEY RETURNED.

Varieties: Early Jersey Wakefield, Chas. Wakefield, Succession, Surehead and Flat Dutch.

Prices: 500 for 75c (smallest order), 1,000 to 4,000 at \$1.25; 6,000 to 9,000 at \$1.00; 10,000 and over at 90c. Special prices on larger lots. Beets and onion plants at \$1.00 per 1,000. Lettuce plants, Big Boston, at \$2.00 per 1,000. Cash with order, please.

Write for our catalog which points out the path that leads to success in cabbage growing. Also our price list of Nancy Hall potato plants.

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Shows how to plant and care for an orchard, when to spray, etc. Tells how to make \$400 per acre from cherries—\$300 from berries—\$350 from grapes and \$200 from apples. I have no agents. Apple trees 8c—Cherry 12c—Grape Vines \$2 per 100. Forest Seedlings—Flowers—Bulbs—Seed Corn. I guarantee better trees for less money. Your money back if not satisfied. Freight paid. Get this free catalog at once.

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CROPS AND LIVE STOCK

By Correspondents of Farmers Mail and Breeze.

Spring field work will be off with a rush just as soon as weather and soil conditions will permit. Except in western Kansas and Oklahoma there seems to be sufficient moisture in the soil for all needs. In addition to the snow of last week Oklahoma and southern Kansas had a heavy rain, which freezing on trees did no end of damage to orchards and groves. E. F. Opperman of Woodson county, Kansas, says the trees look as though they had been through a cyclone. Rural telephone lines were put out of business in every direction.

Wheat was in good condition generally when covered by the snow and the chances are that it will emerge looking better than ever. Already farmers in the wheat counties are dreaming of a bumper crop, for a good start in spring always goes a long way toward deciding what the harvest will be.

The rough weather of last month was very timely in stopping the development of fruit buds. G. F. Espenlaub of Wyandotte county, Kansas, reports more than enough peach buds left to make a crop.

KANSAS.

Labette County—Wheat looked good before being covered with snow. Have had some stormy weather the last week. About 10 per cent of oats sown before weather changed.—Wilbert Hart, March 1.

Pratt County—Ground covered with ice and snow. Wheat looked good before snow came. Quite a lot of moving going on. Stock doing well. Cattle and hogs very high.—J. L. Phelps, March 1.

Rush County—Five inches of snow covers wheat. All stock doing well. Usual acreage of oats and barley to be sown. All seeds plentiful and are good. Corn 50 cents, cream 30, hens 10, eggs 15.—J. F. Smith, March 1.

Linn County—Recent rain and snows have solved the water problem. Roads are in bad condition. Plenty of sales but everything sells well and cows especially so; horses a little slow. Corn 55 cents.—C. T. Baker, March 1.

Hodgeman County—Wheat is all right and prospects are good for a bumper crop. Had a fine 6-inch snow Saturday. Lots of feed will be left over and farmers are putting it in shape to save. Horses not selling well but cattle are out of sight.—E. N. Myler, Feb. 24.

Wyandotte County—Winter had been dry and mild heretofore but are getting moisture now, both rain and snow. Wheat was looking fine. All fruits in good condition. Sleet injured some peach buds but more than enough left for a crop.—G. F. Espenlaub, Feb. 26.

Morton County—The 2-inch snow the last of February was badly needed. Grading on the new railroad nearly completed in this county. Butter 25 cents, eggs 12½.—Mrs. Margaret McGee, March 1.

Nemaha County—Eight inches of snow covers wheat fields, which will be great benefit to the crop. Some fields had been damaged before snow came. Hog cholera continues its destructive work.—C. W. Ridgway, March 1.

Jefferson County—Past week has been cloudy and snowing most of the time. About 5 inches has fallen. The cold spell will hold back peach buds. Stock of all kinds must be fed as fields are covered with snow. Cattle and horses sell well but horses go slower. Usual number of sales.—Z. G. Jones, March 1.

Stevens County—Having the third snow of the season but is only an inch deep and not much moisture in it. Ground dry but the weather is good on stock. Plenty of feed. Farmers will put in quite an acreage of oats and barley. Kafir and milo 65 cents per 100 pounds, fat hogs \$7.—Monroe Traver, Feb. 28.

Greeley County—No dust storms last month and several inches of snow on ground. Stock doing well except for some cases of abortion among mares. Considerable Sumac cane, grown from seed that was shipped in, and that did not mature last fall, is spoiling in the stack.—J. Skillman, March 1.

Pottawatomie County—Finest winter I ever knew until last week when we had a 6-inch snow. Cold ever since and still snowing with about 10 inches on the ground now. Some hogs dying. Rough feed plentiful. Corn being shipped in at 55 cents. Cream 32, butter 25, eggs 15, fat hogs \$7.25.—W. H. Washburn, Feb. 26.

Rawlins County—Ground covered with from 4 to 6 inches of snow. Not much wind but had zero weather for a few days. A little more moderate now. Not much field work to be done for some time. Stock doing well. Hogs and cattle sell well at sales but horses and machinery go a little slow.—J. S. Skolout, March 1.

Gray County—Cold, disagreeable weather the rule now. No plowing done yet for spring crops. Will need moisture to start spring crops as ground is quite dry. Feed plentiful and cheap. Have had a sale every day for more than two weeks. Cattle sell high, horses and mules go at fair prices.—A. E. Alexander, Feb. 27.

Woodson County—Plenty of moisture for wheat at present. Had about 2 inches of rain Feb. 20 and 5 inches of snow Feb. 23. Cold rain freezing on trees ruined many orchards. Orchards and groves look as though a cyclone had passed through them. No communication over phone lines for several days. Plenty of feed in fields and plenty of stock water. Hogs \$7.75.

Pure Bred Yellow Seed Corn

Mammoth Drouth Proof, Early Monroe, Sunflower, Hildreth, Hiawatha. Big yielders, grown by me, successfully, in Central Kansas for past 6 years. Write for catalog. A. E. WHITZEL, R. R. 11, Sterling, Kan.

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J. MONCRIEF, President,
WINFIELD NURSERY CO., 250 Central Ave., Winfield, Kans.

corn 55 to 60 cents, Kafir 45, eggs 16, butter 20.—E. F. Opperman, Feb. 22.

Butler County—Had 8 inches of snow last week which insures moisture for wheat. Plenty of rough feed and stock doing well. Sales numerous and stock brings high prices, milk cows going at from \$50 to \$90. Cattle prices good but not many in the country. Corn getting scarce at 55 to 60 cents. Fat hogs \$7.75.—M. A. Harper, Feb. 25.

Ford County—More like winter now with about 6 inches of snow on ground. This will furnish good moisture for wheat. A few farmers had begun to prepare ground for oats before snow came. Everything at a standstill now. Feed plentiful. A few sales being held and stock sells well. Wheat 78 cents, seed oats 45 to 55, corn 50, eggs 16.—John Zurbuchen, March 1.

Barton County—Wheat was greening up nicely before the snow. Have had about 5 inches of snow during the last week and it begins to look like a bumper wheat crop again this year. Everybody planning to sow oats as soon as weather will permit. Horse and mule buyers flooding country. Corn 50 cents, wheat 78, Kafir 50 to 60, butterfat 30.—O. M. Lewis, Feb. 27.

Lyon County—Last week of February was real wintry. Rain and snow have been fine for wheat and alfalfa, and will kill some of the bugs hiding in grass. This weather is hard on stock not properly sheltered. Plenty of feed on hand and most stock in good order. Best wheat 75 cents, good corn 50, Kafir 40, loose alfalfa hay \$10 to \$11, prairie \$7 to \$8.—E. R. Griffith, Feb. 28.

OKLAHOMA.

Pottawatomie County—Farmers about through sowing oats. Had about 2½ inches of rain Feb. 20. Work stock in good shape for spring work. Most farmers have plenty of feed. No hogs for market. Alfalfa hay \$14, corn 60 cents.—L. J. Devore, Feb. 28.

Kiowa County—The fine rain of Feb. 20 was the best ever. Farmers were almost through sowing oats. Roads recently worked are heavy. Prisoners are now at work on county road gang. Weather still hazy and unsettled. Some young chicks.—Mrs. Alice Henderson, Feb. 26.

McIntosh County—Everything white this morning and snow is 3 inches deep. A little cool for oats and planted gardens but the weather is good for fruit. Those who did not plow last fall are anxious to get to work, but it is too wet. Corn 55 cents, oats 60, butter 30, eggs 12½.—H. S. Waters, March 1.

Blaine County—Farmers were sowing oats last week when the weather called a halt. Heavy sleet damaged fruit trees and put phone lines out of commission. Ground frozen and very rough to travel over. Stock going through winter in fine shape. Feed plentiful and cheap. Hog disease checked and plenty of pigs on hand for next year. Cows and calves out of sight. Hogs \$8, wheat 80 cents, corn 45, oats 45, hens 10, eggs 14.—Henry Willert, Feb. 28.

Texas County—Had a fine 3-inch snow but need more moisture for wheat and barley ground. Spring work will be on full blast as soon as weather permits. Renters are moving in. Good deal of land changing hands. Sales numerous but well attended. Stock sells well but feed dull and cheap. Good deal of work stock offered at private sale. Farmers are organizing. Wheat 78 cents, barley 45, corn 40, potatoes 85, eggs 14.—F. Free, March 1.

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TWO POUNDS FREE TO EACH SUBSCRIBER.

I am going to give free to my subscribers a limited quantity of the world's purest and best seed corn—"Grand Champion" White—grown from the bushel which was awarded first prize at the Omaha Corn Exposition, Omaha, Nebraska, and for which I paid \$280.00 cash.

I gave some of this seed corn to Mr. H. V. Cochran, one of the most expert seed corn growers in America, and the seed which I offer here was grown from the prize bushel and you will find it the equal of the original bushel, which brought perhaps the highest price ever paid for a bushel of seed corn.

The corn is a large pure white, deep grain, matures in less than 100 days and is an extra heavy yielder.

I have had this "Grand Champion" corn put up in one-pound packages, all ready for mailing.

As long as my supply lasts I am going to give it away on these very attractive offers: Two pounds of corn and a year's subscription (new, renewal or extension) to Farmers Mail and Breeze—for \$1.00. I will also give you two additional pounds for each new yearly subscription you send me, other than your own, at the regular rate of \$1.00 a year.

You pay nothing for this corn—it is mailed to you, postpaid, as a free gift for your own or your neighbor's subscription to The Mail and Breeze at the regular rate—2 pounds with each yearly subscription.

I have only a very limited quantity and can secure no more at any price when this supply is gone. Send your subscription or renewal at once. If too late, I will notify you and return your money. Address,

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FOSTER'S FORECASTS

(Copyright 1912 by W. T. Foster.)

Washington, D. C., March 8.—Last bulletin gave forecasts of disturbance to cross continent March 11 to 15, warm wave 10 to 14, cool wave 13 to 17. Temperatures of the week in which this weather disturbance crosses the continent will average colder than usual and the precipitation of rain or snow, while not heavy, will be above the average of the present winter. This storm wave comes in between two severe storm periods and will therefore be comparatively mild. Severe cold will precede and follow this wave of disturbances.

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

This will be a very dangerous storm period and you should remember that we are hitting the dates of the dangerous storms. Within a few days of Feb. 24 a million dollars in property was destroyed by great storms, just at the time predicted in these bulletins and now we more earnestly advise you of the great storms that will sweep over this country within a few days of March 25.

As that dangerous storm period will cover more time than usual we have warned all to be on the alert from March 16 to end of the month. We regret that we are not yet ready to give the locations of these dreaded storms and to describe them in detail for every locality but the time is not very far away when this can be accomplished completely.

SIX SILVER NARCISSUS TEASPOONS FREE.

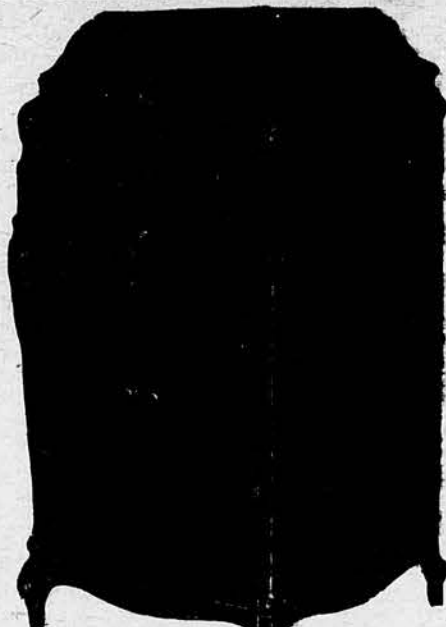
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these handsome spoons absolutely free, postage paid, to all who send just \$1.00 to pay for a year's subscription to my big farm weekly, The Farmers Mail and Breeze. Send your subscription order at once and secure a set of these beautiful and serviceable 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.

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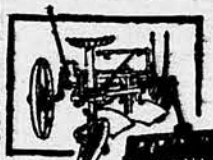


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Victor-Victrola IX, \$50
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Other styles \$15, \$40, \$100, \$150. Victors \$10 to \$100



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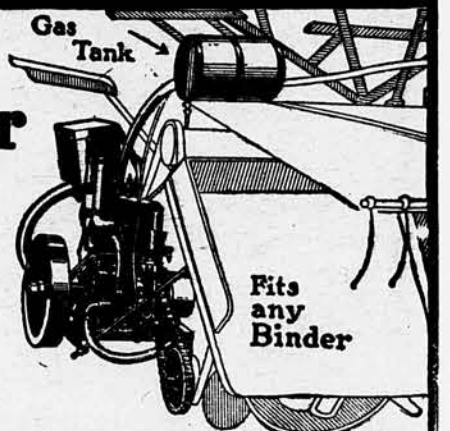
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52 Gal. Brl. 42 gravity kerosene \$4.65; Special Kerosene (white as gasoline) \$5.00; Gasoline \$8.65; Crude Oil \$4.15; Stove Oil \$4.15. Freight is 1/4 to 1 1/2 c per gal. anywhere in Kansas. \$1.50 rebate allowed for empty barrels returned freight prepaid. Complete line independent oils. Satisfaction guaranteed. Write us.
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Kerosene For Scaly Leg.

Mr. Editor—The simplest and most effective cure for scaly leg is nothing more nor less than coal oil. Fill an open can two-thirds full of coal oil and dip the chicken's feet into it for a second. In a few days the unsightly scales will have dropped off. It takes very little time to treat a large flock.

Mrs. W. R. Groves.
R. 2, Woodward, Okla.

A Mail and Breeze Brooder.

[Prize Letter.]

Mr. Editor—I use a **hatchall** brooder made from a drawing in the Mail and Breeze. About 6 inches from the floor of the brooder box are slats which fit snugly together with strips of old blanket or cotton flannel tacked to each slat. The flannel reaches to within an inch of the bottom. Above the slats there is room for an old quilt. If the weather is very cold I put in more cov-

To Prevent White Diarrhoea

Dear Sir: I was losing my young chicks last year by the dozen, when I noticed Walker's Walko Remedy recommended by a lady. I sent (M. O.) for two 50-cent packages to the Walker Remedy Co., L12 Lamoni, Iowa, and can say that it not only cured all the sick ones but checked and stopped the disease, White Diarrhoea; and I had fine luck with my later hatchings—raised practically all of them.

Mrs. C. C. Jones, Blackwater, Mo.

Save Your Chicks

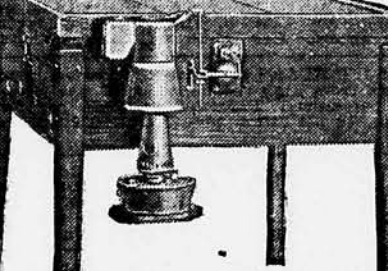
We can help you. Send us names and addresses of (10) poultry friends and receive our revised 32 page book on "White Diarrhoea, the Greatest Foe to Chick Life." This book makes Poultry Profits Possible; gives care and feeding of chicks and Turkeys; also cause and guaranteed cure for bowel trouble. Above book FREE postpaid for the names. Write today. **F. K. REMEDY CO.,** 740 Second St., Arkansas City, Kansas.

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wood, covered with asbestos and galvanized iron; has triple walls, copper tank; nursery; egg tester, thermometer, ready to use 30 Days' Trial—money back if not O. K. Write for Free Catalog today Ironclad Incubator Co., Box 66 Racine, Wis.



KANSAS MADE

ering. I had the very best of success last year with this homemade brooder, without any artificial heat. Twice a day my young chicks are fed bread soaked in sweet milk and wrung dry, with dry corn chop for the noon feed. They always have sand in their pen.

Mrs. F. H. Hunter.
Osage City, Kan.

Incubator Hints and Helps.

[Prize Letter.]

Mr. Editor—The first thing necessary to make a success of incubator hatching is a good machine. Eggs to be hatched should come from flocks where there are not over a dozen hens to each rooster. If the incubator is set in a room it is best to have the room carpeted so as to prevent the jar and shock in walking about the room. The temperature of the room is right when it is about two-thirds of that of the machine. The temperature should not go much over the 100 mark the first week. The second week it should be kept around 101 and the third about 103. Turn the eggs morning and evening the first week and once a day after that until the last three days when they should be dampened with lukewarm water twice a day.

McCook, Neb. E. J. Hofrock.

English Hens Far in Lead

MOUNTAIN GROVE EGG RECORDS.

In the national egg laying contest at Mountain Grove, Mo., the pen of five White Leghorns from England have not yet been headed. These five hens laid 213 eggs during the month of January. Their nearest competitors were a pen of Black Langshans with a record of 193 eggs, and five Silver Wyandottes with 192 eggs. Among individuals two of the English White Leghorns lead the field with 63 and 62 eggs respectively, laid from November 15 to February 1. A Buff Rock is third with 60 eggs and, a Black Orpington fourth with 58 eggs. The following are the 10 best pens, and their egg records from the time the contest began November 15, 1912, to February 1, 1913:

Eggs Laid	
476	S. C. White Leghorns.....
384	Silver Wyandottes.....
340	Silver Wyandottes.....
332	Black Orpingtons.....
314	Barred Plymouth Rocks.....
313	Black Langshans.....
306	White Wyandottes.....
305	S. C. Reds.....
300	White Wyandottes.....

Along with the other features of the contest, Director Quisenberry is carrying on some interesting feeding tests. In his account of the contest sent to the Mail and Breeze he says: "Where we are keeping 28 different kinds of feed before the hens at all times, and are allowing them to help themselves, we are getting the best results. How long this will continue, we cannot say. If hens will lay as many or more eggs where the feed is kept before them, it will save a great deal of labor in feeding. This may work in winter, but we have our doubts about it in the summer. They have eaten exactly the same amount of wheat as they have corn, 44 pounds of each. They have eaten about three times as much corn and wheat as of any other one feed. Rolled oats, millet and sunflower seed come next. They have eaten but little ground food of any kind. They are drinking about the same amount of buttermilk as water.

"The fowls should eat about one half as much mash by weight as whole grain. Regulate the proportion of grain and ground feed by giving a light feeding of grain in the morning and about all they will consume in the afternoon feed. In the case of pullets or fowls of heavy laying, restrict both night and morning to induce heavy eating of dry mash, especially in the case of hens. This ration should be supplemented with beets, cabbage, sprouted oats, green clover or other succulent food unless running on grass covered range. Grit, cracked oyster shell, and charcoal should be accessible at all times. Green food should not be fed in a frozen condition. All feed and litter should be strictly sweet, clean and free from mustiness, mould or decay. Serious losses frequently occur from disease, due to the fowls taking into their bodies, through their intestinal tract or lungs, the spores of the fungus causing moulds."

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SINGLE COMB WHITE LEGHORN eggs \$1.00 15, \$5.00 hundred. Mrs. Flora Smith, Amorita, Okla.

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S. C. B. LEGHORNS. Cockerels \$1 each. Six \$5. Guaranteed pure bred. A. B. Haug, Centralia, Kan.

TOP NOTCH S. C. White Leghorns. Superior layers. Eggs, chicks. Armstrong Bros., Arthur, Mo.

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100 Leghorn Eggs, \$4. 100 White Orpington, \$12. Others \$3 per 100. See extra for 1 sittings or less by Parcel Post, otherwise by Express. Book orders early; will send when wanted. Remit by Postal, or Express Order, on St. Louis.

W. F. CHAMBERLAIN, (The Perfect Chick Feed Man) Dept. 31, KIRKWOOD, St. Louis County, Mo.

The WOMEN

Conducted by



FOLKS
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.

To be well a man must love horses, cows, poultry and pets; and the more he is interested in the great-breathing world out of doors the better are his chances of keeping well.

Why is it so hard to keep a hired girl on the farm? We have a splendid letter on this subject we are going to publish next week, and we would like others. Perhaps by an interchange of experiences we may be able to help each other.

Easter is on the way. Have you your new Easter hat picked out yet?

The handy kitchen, and the handy pantry, the handy dining room and the handy stairway are the things that save years of time and tons of energy.

If You're Painting the Floor.

Here is a recipe for floor paint: Four pounds yellow ochre, 2 pounds whiting, 1/2 pound sizing glue. Dissolve glue in 4 quarts hot water, then add whiting and ochre. Stir well and apply with brush. When dry go over the surface with boiled linseed oil.

Mrs. Jeff D. Lewis.

R. 1, Darlow, Kan.

Better Health for Baby.

When baby is constipated dip the thumb and fore finger in olive oil and rub along the spine from the back of the neck downward to the end of spine. Do this for 5 or 10 minutes every morning, pressing firmly as you rub. The bowels will act within a few hours in the worst of cases. It has been tried on infants as well as grownups and does not fail.

Reader.

To Mend Plaid Materials.

Take several shades of silk thread together in one needle when mending plaids, stripes, mixtures or checks, using colors that will harmonize with the predominant tones in the goods. Darn neatly and press carefully and the mended place will hardly show.

Mrs. George P. Ernenwein.

Verona Station, N. Y.

Good as a Kitchen Cabinet.

If you, like myself, have no kitchen cabinet you can have a table that is almost as convenient as one. Mine is about 3 feet wide and 5 feet long, with a shelf about half this length for kettles, pans, etc. On top at the back corner I have a tin flour box which holds 50 pounds of flour. I have a small rack of shelves, four of them, about 6 inches deep by 2 feet long, for extracts, soda, baking powder, etc. I also keep my sugar can, lard and water pail on it.

Derby, Kan. Mrs. H. Jones.

Objects to Fairy Tales.

Have we as parents thought much about the kind of books our children are reading, even in our schools? Our little boy, being through with his first reader, was ordered to get a new one to finish the term. The new book is nothing but fairy tales. Would it not be much better while they are learning to learn something that would be edifying? I would like to hear from some other parents on this subject.

Oswego, Kan.

Reader.

Flowers in the Country.

In the country the prettiest yard is one of medium size, with bluegrass and scattering trees of favorite varieties. Put the flowers in the side yard, and use roses, lilacs, snowballs and other hardy varieties. My reason for putting them in the side yard instead of in front is that when they are not in blossom the foliage isn't very pretty, and when blooming they are admired just as much as if they were in the front yard. Have a row of nasturtiums around the porch,

a climbing rose at the window, and some pretty vine running over the porch. The yellow honeysuckle is my favorite. It blooms all summer, it is very fragrant, and the foliage is green until frost. Make the garden in a convenient place at the side of the yard. Along the garden fence plant a row of sweet peas. In the back yard I have what I call a "May pole." To make it I tack slats across a pole and set in the ground, then plant variegated morning glory seed around it. When the pole is covered with the vines it is a beautiful sight, especially in the morning. In a corner of the back yard plant a few bunches of hollyhock. Most of the flowers I have mentioned bloom until late.

N. C. H.

R. 3, Inavale, Neb.

Tree of Life Quilt Pattern.

[Prize Letter.]

I am a reader of Mail and Breeze and enjoy the Women Folks department, so thought I would send you a very pretty quilt pattern which I have. It is pieced of two colors. The dark pieces are green and the light ones white. The dark points at the corners of the tree are each made of a large green triangle set against the rows of green and white triangles. If the white space on each side of the trunk of the tree is divided into a large square and two triangles it will be easily made.

Colby, Kan. Mrs. J. D. Graham.

Who Knows These Things?

Will readers of the Mail and Breeze tell me what success they have had taking music lessons through the mail?

I have used some powdered extract which I liked very much better than the

For workers to live well, to have the comforts and conveniences of life, is economy, not extravagance. A happy and contented man or woman turns out more work and better work than an unhappy one, or one working at a disadvantage with makeshifts.

—Arthur Capper

liquid, but am not now able to get it. I would like to know where it can be obtained.

Also, where can one send for a canning preparation called "Mrs. Price's Canning Powder," which has been recommended to me?

Kansas.

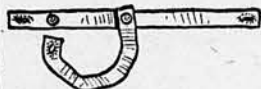
Reader.

[Before "Reader," or anyone else interested, makes use of Mrs. Price's Canning Powder I wish she would ask Dr. S. J. Crumline, secretary of the state board of health, about it. Address him at Topeka. The powdered flavoring extracts, unless I am incorrectly informed, can only be secured from an agent, who is usually a member of the W. C. T. U. They cannot be bought at the stores.—Editor.]

Handy When Out Driving.

[Prize Letter.]

I want to suggest two conveniences for the woman who sometimes does her own driving. The first is a tool box to carry under the buggy seat. This box should contain a strap or two, bolts and nuts of different sizes, a little roll of fine, soft wire, a wrench and a



pair of pliers. With these she will be able to make any of the small repairs which once in a while are so necessary.

The second is a belt to hold a small child. Make a strap of stout cloth, 2 inches wide and long enough to button across the buggy bows. Attach a belt of the same material with buttons and buttonholes, and button the belt around

the youngster. Then he cannot slip off the buggy seat when you are driving down hill or when the horse jumps. This is especially useful where the mother has a smaller baby in her arms and has to drive also, as many a woman does when she goes to market or "visiting."

Stockton, Kan.

C. J.

Easy Way to Clean a Rug.

[Prize Letter.]

Take a pair of bed springs and put them out on the grass in the yard. Lay one corner of the rug on the springs and beat till clean, keeping the dirty side of the rug on the opposite side from the wind. If you haven't any grass in the yard put down some clean hay. This method of cleaning a rug is as good as a vacuum cleaner. Carpets may be cleaned the same way.

Mrs. J. H. Skinner.

R. 1, Elbing, Kan.

Use for Old Underwear.

[Prize Letter.]

Old underclothes that are too badly worn to make up into carpet rags make the finest dish mops, wash rags, floor mops and a thousand and one other things. They have so many uses they will not go around. Save every piece that is as big as 4 inches square. Make kettle holders out of them, tacking several thicknesses together. You will need them next summer when cooking fruits. Tie one on a long string and tack to your apron and you will have it ready when there is a hot kettle or skillet to handle, instead of having to use the corner of your apron.

Mrs. Daisy D. Guthrie.

Woodward, Okla.

Saving Work With a Brush.

[Prize Letter.]

One of the most useful articles about my kitchen is the scrub brush. I keep a small brush (cost 4 cents) especially for washing dishes. By using hot suds and a brush the rough surface of the glass and chinaware, especially the handles of the pitchers and cups, can soon be made clean and bright. I have another small brush for the milk things. I can wash around the rims of the bucket handles much better with a brush than with a cloth. Let me add here that I find buckets much better to keep milk in than crocks. They are easier handled, can be easier kept covered, and are superior in every way, and with proper care will last for years. I keep a larger scrub brush (cost 8 cents) for washing vegetables. Potatoes, beets, parsnips, etc., can be cleaned so much quicker and better with a brush. I keep another for the tables and shelves, and another for the floors. When one becomes old and worn I use it for polishing the stoves.

Mound City, Kan.

Subscriber.

Consider the Boys.

[Prize Letter.]

I am a country schoolma'am, and I am working, not for woman's rights but for boys' rights. It seems to me that as a rule we favor our girls so much more than the boys. Do you think so? Has your boy a room of his own, as well as the girls? A place where he can invite his chums, where he can whittle if he wishes, where he can make himself at home? A room so furnished that he will not be afraid he will soil something?—for boys do not like fussy things. They want things for use and not to look at. And do not be shocked, I pray, because he is sometimes so noisy that you think the Indians are surely coming. It's natural and he just can't help it. Don't expect your boy to be a "sissy." Expect him to be a gentleman and treat him as such, and he will be just what you expect him to be. Don't think that just anything is good enough for him. Give him the best clothes and the best room you can afford for him. And this is to father now—give him a cow, a horse of his very own, make him a partner in your business, and make him feel there's no place like home, sweet home. The boy question is hard to solve, and the correct solution may be found only by careful thought and study. Many boys leave home and go out into the world to make their own way just because their parents failed to understand them. Be a friend, a companion to your boys, and make them feel they can always confide in you.

Norcat, Kan.

Are You FAT?

I Was ONCE.

I Reduced MYSELF.



I was Fat, Uncomfortable, Looked Old, Felt Miserable, suffered with Rheumatism, Asthma, Neuralgia. When I worked or walked, I puffed like a Porpoise. I took every advertised medicine I could find. I Starved, Sweated, Exercised, Doctored and changed climate but I ruined my digestion, felt like an invalid but steadily gained weight. There was not a single plan or drug that I heard of that I did not try. I failed to reduce my weight. I dropped society, as I did not care to be the butt of all the jokes. It was embarrassing to have my friends tell me I was getting Stout, as no one knew it better than myself.

SOMETHING HAD TO BE DONE

I began to study the cause of FAT. When I discovered the cause I found the remedy. The French Method gave me an insight. I improved on that. Removed the objectionable features, added more pleasant ones, and then I tried my plan on myself for a week. It worked like Magic. I could have

SCREAMED WITH JOY

at the end of the first week when the scales told me I had lost ten pounds by my simple, easy, harmless, Drugless Method. It was a pleasure, then to continue until I regained my normal self in size. I felt fifteen years younger. I look fifteen years younger. My Double Chin has entirely disappeared. I can walk or work now. I can climb a mountain. I am normal in size. I can weigh just what I want to weigh. I am master of my own body now. I did not starve, but eat all I wanted to. I did not take Sweated Baths. I did not Drug. I used no Electricity, or harmful exercises, but I found the Simple, Safe, Common Sense WAY of reducing my weight and I applied it. I have tried it on others. My Doctor says I am a perfect picture of health now. I am no longer ailing. I am now a happy, healthy woman. Now I am good on the subject. If you are fat, I have written a book on the subject. You all about my Harmless, Drugless Method. To all who send me their name and address I mail it FREE, as long as the present supply lasts. It will save you Money. Save you from Harmful Drugs. Save you from Starvation Diets. Harmful Exercises. Possibly save YOUR LIFE. It is yours for the asking without a penny. I have written a book on the subject. A Postal Card will do and I'll be glad to send it so that you can quickly learn how to reduce yourself and be as happy as I am. Write today as this advertisement may not appear again in this paper. HATTIE BIEL, 848 Barclay, Denver, Colo.

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Elegant hunting case beautifully engraved, gold finished throughout, stem wind and stem set, fitted with finely finished ruby jewel movement, guaranteed a correct timekeeper, with long gold finished chain for ladies or vest chain for Gents.



HUNTING CASE. Let us send it C.O.D. for examination at your nearest express office. If you think it a bargain and equal in appearance to any \$15.00 gold finished watch pay the express agent our special sale price \$2.95 and express charges, and it is yours. If you send \$2.95 with order we will send by insured postal note. Mention if you want Ladies' 6 size, Boys' 16 size or Gents' 18 size. Address: MUTUAL SALES CO., P. 12, 308 W. Madison St., Chicago, Ill.

300 SONGS 10c

ON MOONLIGHT BAY; I'd Love to Live in Loveland; If You Talk in Your Sleep; Oh Mr. Dream Man; Everybody's Doing It; When I Was 21 and You Were Sweet 16; Is It Very Far to Heaven? After the Honeymoon; I'm Going Back to Dixie; Alexander's Ragtime Band; Oh You Beautiful Doll; Casey Jones; Grizzly Bear; Red Wing; They Always Pick on Me; Put on Your Old Gray Bonnet; Steamboat Bill; Let Me Call You Sweetheart; Home; Bring Dreams of Your Silver Bell; Billy My Mysterious Rag etc. OVER 300 Latest Song Hits & 10 pieces PIANO MUSIC for 10c. COOPER MUSIC CO., Box 15, Horton, N. Y.

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



- 5117—Dressing Sack, 6 sizes, 32 to 42 bust.
5789—Misses' Dress, closed at side front, sizes 14, 16, 18 yrs.
5493—Seven-Gore Skirt, in habit style. Size 24 measures 2 1/2 yds. around lower edge; 6 sizes, 22 to 32 inches waist measure.
5646—Girls' Dress, sizes 6, 8, 10, 12 yrs.
4827—Girls' Apron, 5 sizes, 10 to 18 yrs.
5636—Boys' Russian Suit, sizes 2, 4, 6 yrs.
5809—Ladies' Kimono Dress, 7 sizes, 32 to 44 bust.
5247—Eight-Gore Skirt, 6 sizes, 22 to 32 waist. Width of lower edge for 24 waist is 2 1/2 yds.
5717—Child's Dress, 5 sizes, 4 to 12 yrs.
6117—Ladies' Waist, 5 sizes, 32 to 42 bust.

USE THIS COUPON FOR PATTERN ORDERS.

Farmers Mail and Breeze, Pattern Department,
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Dear Sir—Enclosed find cents,
for which send me the following patterns:
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Pattern No. Size
Pattern No. Size

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State

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BE SURE TO GIVE NUMBER AND SIZE.

Lunches and Other Problems FOR THE SCHOOL CHILD.

Some one has said, "A child's education begins a hundred years before its birth." The boy of today is the man of tomorrow. Upon the shoulders of the boys and girls we are educating today will rest the responsibilities and the possibilities of the future. As we build their bodies and minds firm and strong we help to strengthen the nation. If a child's education is complete he is developed physically, mentally and morally.

The half starved boy cannot compete mentally with the well fed, well nourished boy. Even the boy who has a full dinner pail may not have the right kind of food to nourish his body.

About two-thirds of every farm paper is taken up with rules and tables for the proper feeding of pigs, calves and chickens, but did you ever see a page telling how much protein a growing boy needed, or telling you there was such a thing as "fat starvation?" The body needs four kinds of food: Proteids, fats, carbohydrates and salts. The proteids build up the tissues. They are found in beef, mutton, eggs, milk, cheese, etc. The fats include butter, cream, the fatty part of milk, and the fat found in meats. The carbohydrates are found in wheat, corn, crackers, oatmeal, cake, sugar, etc., and most children do not suffer from this kind of starvation. The salts include common salt, soda, lime and potash, and are found to some extent in minerals we use.

This makes a large variety from which to select the material for the daily lunch. If we will only stop to think of the thousands of women who do up school lunches we will realize the vastness of the subject. However, it is only one day at a time, and the lunch should be planned ahead if possible, so there may be something a little different each day. The nicest lunches I ever took to school were planned by a little old English lady who always had two jars of cookies which never were allowed to be empty, though the variety was changed. Her bread was of several kinds, the best of all being raisin or currant bread. She could not understand that the teacher who was doing mostly mental work did not need as much food as the growing boys, and I let her fill the pail every day so I could see the pleased expression of two-thin-faced little pupils who received the extra fruit, pie, etc. Make the lunches look as attractive as possible. Every teacher has seen the pupil who would sit in the farthest corner and eat with dinner pail under the desk. Ashamed of it? Yes.

But what is the mother to do who does not have this variety of food? You would be surprised at the large number of people who have hogs, cattle, etc., in their yards and no milk nor butter in the house. In some of the large cities this school lunch problem has been solved. Each child receives some warm food for lunch at the small cost of one penny. In this age of fireless cookers I see no reason why the children in rural schools could not have something warm each day and the teacher with them. One kind of soup, baked beans, one vegetable or hot cocoa, milk, or a kettle of meat, would furnish nourishment for a large school, with the added lunches the mothers send. Many of the teachers are from domestic science schools and could work with the mothers in planning the lunches.

The consolidation of schools would make the lunch problem a much more difficult one for mothers. Those living far from the central school would have to prepare not only breakfast but lunches earlier and have the evening meal later. My own ideal isn't the consolidated school nor the Barnes high school, nor a central school with a superintendent. It is a teacher in each one of our own district schools who can teach high school subjects and the Kansas legislature seems to be helping toward just that end. A boy or girl may go to school until he is 21, and it does not take any longer to teach him algebra every day than it does some of the simpler subjects. If the boy had something to look forward to he would never waste his earlier years waiting for the day to come when he is 15 and not subject to the truancy officer. It is no more necessary for our boys to go to town to "broaden out" than it is for the city boy to come to our country high school for the same purpose.

The city teachers are overburdened. With such large classes we must not expect the individual work we could have in our own schools. Do not let a country boy or girl think his education is completed because he has graduated from the eighth grade. Make the rural school a popular center and give the boy a chance, with plenty to eat and plenty of games and conscientious teachers, and he will be educated physically, mentally and, without any question, morally.

Mrs. Walter Scott.

Buffington, Kan.

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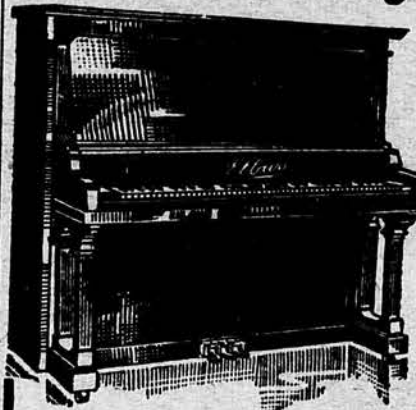
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(Signed) B. M. LITTLE, Supt. Lexington Public Schools.

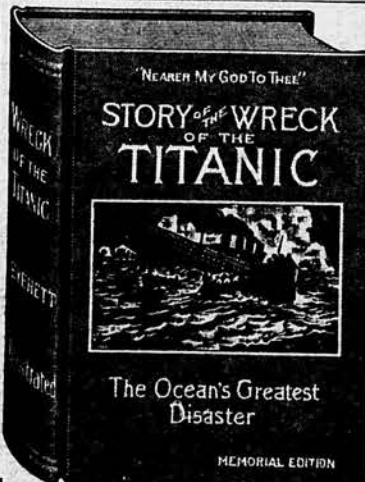
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CHOLERA IMMUNE fall Duroc boars. Best blood lines with quality. Write for particulars. G. M. Shepherd, Lyons, Kan.

FOR SALE—Eight Jersey bull calves; some from high producing dams; some ready for use. Chester Thomas, Waterville, Kans.

FOR SALE OR TRADE—Two large Mammoth jacks and one imported Percheron horse. Call or address Doolin Bros., Harris, Kan.

117 HEAD of black Angus cows for sale; one of the best herds in the South West. Write for particulars. T. F. Murphy, Ashland, Kan.

FOR SALE—One thoroughbred black Percheron stallion, 10 yrs. old, 1,700 lbs. One grade black Percheron stallion, 8 years old, 1,800 lbs. Geo. Perkins, Kirwin, Kan.

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.

FOR SALE—Registered Percheron stallion, dark steel grey, coming three, weight between nineteen and twenty hundred. Sure foal getter, extra fine individual. A. C. Williams, Valley Falls, Kans.

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WE PAY 15c for Turkeys, 12c for fat Hens, 9c for Stags. We sell Seed Potatoes per bu. 75c. Seed Sweet potatoes per bu. \$1.00. Onions per bu. 75c. Cope's Sales System, Topeka, Kansas.

BRED TO LAY S. C. W. Leghorn eggs and baby chicks; will exchange for Kaffa. Okla. City, Route 8, Box 62.

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SCOTCH COLLIES. Western Home Kennels, St. John, Kans.

WOLF and coon hounds for sale. Jesse Ashburn, Garnett, Kan.

WANTED—White Esquimo-Spitz puppies under eight weeks old. Brockways Kennels, Baldwin, Kans.

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REGISTERED English bloodhounds; young stock, guaranteed to make man-trailers. Best blood in world. Max J. Kennedy, Fredonia, Kan.

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GOOD ALFALFA SEED \$9.00. Ph. 351. Grantville, A. L. Brooke.

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GOOD alfalfa seed \$7 per bushel. Send for sample. John Eble, Virgil, Kan.

100 BU. recleaned alfalfa seed. Send for sample. J. F. Laman, Portis, Kans.

SPANISH PEANUTS for sale 5c per lb. F. O. B. Aline, Okla. John W. Burkes.

CHOICE FRUIT TREES. ornamentals, berry plants. Waverly Nurseries, Waverly, Kan.

SOY BEANS—Ebony variety. Write for samples and prices. B. Freeland, Dalton City, Ill.

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SEEDS AND NURSERIES.

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LANDS.

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EXCHANGE—One Case 24x42 Separator, used 2 seasons, and 12 horsepower Alamo portable gasoline engine, all in good shape, to trade for larger separator and gasoline traction engine, will pay difference if price is right. W. H. Pittman & Co., Ravia, Ok.

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CHINAWARE direct from manufacturer to consumer. You can save money and get the greatest assortment of fine china to select from. Write for our plan of selling china direct to user. Chamber sets, toilet sets, dinner sets, breakfast sets, everything different from home stocks. None but the best. Write today. J. Free Smith, 208 Ionia St., Lansing, Mich.

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\$3,000 WILL purchase Kansas City theater lease; cheap rent; seating capacity over 2,000. Address A. Sumner, P. O. Box 639, Kansas City, Mo.

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OLIVER VISIBLE TYPEWRITER for sale cheap. Perfect condition and does splendid writing. Could send on trial. Write to Charley Rickart, Route 5, Rosedale, Kan.

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PLACES found for students to earn board and room. Dougherty's Business College, Topeka, Kan.

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MEN AND WOMEN WANTED for government positions. \$90.00 month. Annual vacations. Short hours. Parcels post means thousands of railway mail clerks needed. "Pull" unnecessary. Farmers eligible. Write immediately for free list of positions open. Franklin Institute, Dept L 54, Rochester, N. Y.

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WANTED—Reliable men in every County to sell nursery stock. Liberal terms. Outfits free. Experience unnecessary. Write F. H. Stannard & Co., Ottawa, Kans.

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

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YOUR opportunity to learn salesmanship quickly. We want ten more good men to act as special representatives in the best territory in Oklahoma and Kansas. Will pay extraordinarily liberal commissions to start. Send one bank reference with application. Address, Circulation Manager, Farmers Mail and Breeze, Topeka, Kan.

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

SALESMEN—To sell high grade guaranteed groceries at wholesale direct to farmers, ranchmen and all consumers. Earn \$4 to \$10 and up per day. A big chance to get into business for yourself. Save the buyers the retailer's profit. Every customer is a permanent one. Demand constantly increasing. Latest plan. F. M. Hitchcock Hill Co., Chicago.

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

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WANTED—Ladies desiring beautiful complexion to write Specialty Co., Kiowa, Kan.

MISSOURI AUCTION SCHOOL, largest in world. Own largest living mule, 1404 Grand, Kansas City.

EARN \$25.00 per week; be an automobile man. Dept. 100. Auto School of St. Louis, 1917 Pine St.

HARNESSES—Our harness is correctly made and prices right. Write for catalogue. Ed Klein, Lawrence, Kan.

BAD DEBTS COLLECTED everywhere on commission. Bank reference given. 24 years in this business, in this city. N. S. Martin & Co., Arkansas City, Kansas.

PIANO LESSONS, by mail, two for 35c. Everything furnished. Children a specialty. Write for particulars. Mrs. Iona Swaim, 1211 Sandusky Ave., Kansas City, Kansas.

WATCHMAKING, Engraving. Learn a trade that pays. Students earn while learning; positions secured. Kansas City Watchmaking School, 835 East 12th St., Kansas City, Missouri.

\$250.00 PAID for distributing 2,000 free packages Perfumed Soap Powder in your town. Reliable men or women. No money required. M. B. Ward & Co., 1770 Berneau Ave., Chicago.

THIS serviceable fountain pen free for taking only six 25 cent orders for our envelopes, among your friends. Write for free samples. W. S. Klein, Ste. Genevieve, Missouri.

LOUISIANA pure sugar cane syrup. Put up at the mill in sealed cans. No glucose or any sulphur dioxide in our syrup. 12 one gallon pails for \$8.00. We pay all the freight. Mary & Tuma, Washington, Louisiana.

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STOP THOSE HEAVES! Have you a horse that you cannot sell on account of heaves? If so let me send you Baird's Heave Remedy. Now on the market ten years with wonderful success. Does not shut them down, but cures them. Your money back if it don't. Write me for particulars. Baird Mfg. Co., Dept. 11, Purcell, Okla.

BIG WESTERN WEEKLY 6 MONTHS 10c—Biggest and best general weekly published in the west. Interesting and instructive departments for young and old. Tells about opportunities in the west for ambitious men. Special offer, 6 months' trial subscription—26 big issues—10c. Address Weekly Capital, Department W. A. 12, Topeka, Kansas.

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MARKET PROBABILITIES

Broad Demand for Cattle of all Classes Continues and End of Lenten Season Will Probably Enlarge It—Hog Receipts Short at all Markets and Prices Are Acting Accordingly—Hay is Up, Grain Dull

[Written Specially for the Farmers Mail and Breeze.]

The heavy snow storms late last week reduced the movement of livestock at the opening this week. Fat steers were quoted up 10 cents, cows strong to 10 cents higher, and thin cattle up 10 cents. Demand was urgent and unless the Wednesday run shows a material increase, another general advance is expected.

The cattle market continues to show the earmarks of a broad demand. Prices in all divisions are higher, making this the highest level since early in January for fat steers, and record prices for this season of the year on all stock and feeding cattle. Fat steers that have been fed according to the season are bringing \$3 to \$9, and some warmed up kinds are bringing \$7.25 to \$7.75. The greatest advance last week was on the lighter weight cattle, though by no means are the heavier kinds selling to a disadvantage. The tendency has been to narrow the spread in prices. Average quality has been good, though comparatively few strictly prime steers have been offered. Steers from below the quarantine line are quoted up to \$8 making a new February record on that class. Buyers have been anxious for supplies, and the general opinion is that March will continue a strong demand though requirements may change to a lighter class of beef. Killers see no supply source that will cause any increase in the movement. Cattle now on feed are in strong hands and the feeder, after experiencing a strong demand in February sees a good profit in making weight. Colorado has a good many hay fed cattle about ready to move. Some of that class sold in Kansas City last week at \$7.85 to \$8.25. The northwest though will be short this year. Nebraska is marketing more good fat steers now than any other western state. All prices however have been forced into a narrow range, and the best class of steers is not high enough. Killers this year have counted on heavy beefs being more plentiful in March and April than last year, but countrymen say the contrary is true. The Lenten season will close in three weeks' time, and unless eggs fall to unusually low prices, a broader demand for beef is expected. In the past few days weather conditions have been the worst of the year, snow, rain and sudden changes in temperatures, but that had no tendency to increase supplies. The entire central west received enough snow and rain last week to replenish stock water supply, and afford moisture for the spring crops.

Butcher Cattle Sought Eagerly.

Killars continue to ride market alleys in an effort to get butcher cattle, and as a rule order buyers are following them. The small slaughter establishments throughout the country that usually draw their supply from local territory have been forced to buy at the big markets. States east of Indiana are buying most of their butcher cattle in the central west. Cows sold up to \$8 and several bunches brought \$7.50 to \$7.75. Such kinds were strictly prime though the bulk of the cows are bringing \$5.50 to \$6.75, heifers \$6.50 to \$7.75, with top \$8.25. Good tidy weight heifers are scarce now though a further shortage is expected in April. Veal calves continue firm. Most of the light weights are selling up to \$10 at Missouri river markets, and up to \$10.50 in the east.

No Let Up in Stocker Demand.

Countrymen are still eager for all classes of stock and feeding cattle. As the season advances the supply does not increase, and prices, which were records in preceding weeks were advanced last week. There is still rough feed to save, and prospect for good spring grass, so that March and April requirements will continue large. Feeders are selling at \$7.50 to \$8.35, stockers \$7 to \$8.25, stock cows \$4.50 to \$6.50, and stock heifers \$5 to \$6.75.

Packers Fail to Break Hog Market.

Last week's hog market was little short of sensational. Early in the week prices reached new high levels for the season by bounding up 25 to 30 cents. In the next two days, packers got the upper hand for a time and eliminated the advance. However storms throughout the country made shipping for next week uncertain and the market was nearly back to the high level of the week at the close. The highest levels since October were recorded at all the important markets, and the month of February closed with prices 90 cents to \$1.15 higher than at the beginning of the month. Only once previously, have February prices shown a higher range than this year, and that was in 1910 when \$9 to \$9.40 were the high quotations, and in the March following the highest prices, \$10.75 to \$11.20 were recorded. Both traders and countrymen contend that prices are to be higher in March. Thus far this year the fine western markets have received 17 per cent fewer hogs than in the period 1912. The shortage is more pronounced

in Chicago and eastern market territory and they through shippers are drawing on western markets for supplies.

Unsettled Lamb Market.

The demand for light weight mutton gave way last week to heavier grades, and sheep prices were higher and lamb prices lower. The price movement was a readjustment, as the result of large lamb supplies and a small movement of sheep. Such a price change usually occurs at this season of the year and in former years prior to quotations moving upward a general readjustment has been made on the weight basis. Lambs are down 25 to 35 cents, and sheep a quarter higher. Colorado is marketing more sheep now than any other state. The Arkansas valley is moving its grain and hay fed supply, and the San Luis valley its pea fed crop. The corn belt continues with about normal supplies. The cold weather last week will delay the shearing season, and make the run of sheared sheep from big feed lots near market about two weeks later than had been expected. Southern Texas and New Mexico will begin shearing the middle of March. From there northward is the course of the clippers.

Western Livestock Receipts.

Receipts of cattle in February made a better showing than was expected as far as numbers were concerned but the supply to packers was short as is indicated by a decrease of about 38,000 in Chicago. St. Louis and Kansas City reported increases of 15,000 and 22,000, and for the most part drew their increase from below the quarantine line. Omaha received 31,000 more sheep, and was the only market that reported an increase. Hogs were short at all the markets falling 300,000 short of a year ago, and in the two months show a decrease of 684,000, or 17 per cent. For the two months the five Western markets were short 66,000 cattle. The following figures show receipts of cattle, calves included, hogs, and sheep at each of the five western markets, the first two months this year together with comparisons a year ago:

CATTLE.			
	1913	1912	
Kansas City	291,900	275,400	
Chicago	475,000	567,450	
Omaha	163,500	174,400	
St. Louis	160,800	128,850	
St. Joseph	77,800	89,200	
Total	1,169,000	1,235,300	

HOGS.			
Kansas City	465,300	594,500	
Chicago	1,452,500	1,672,500	
Omaha	534,500	689,200	
St. Louis	488,500	564,550	
St. Joseph	325,600	430,350	
Total	3,266,400	3,951,130	

SHEEP.			
Kansas City	313,250	368,150	
Chicago	805,500	991,600	
Omaha	402,500	332,450	
St. Louis	122,300	177,700	
St. Joseph	138,500	128,200	
Total	1,782,050	1,998,100	

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

	Cattle	Hogs	Sheep
Kansas City	33,675	44,350	37,800
Chicago	51,300	166,000	76,100
Omaha	19,000	54,800	51,800
St. Louis	15,850	51,100	12,700
St. Joseph	9,200	32,800	27,700
Total	129,125	359,050	206,100
Preceding week	128,650	336,500	220,600
Year ago	104,425	334,600	181,600

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

	Cattle	Hogs	Sheep
Per 100 lbs. 1913 1912	1913 1912	1913 1912	1913 1912
Chicago ..	\$9.00 \$8.85	\$8.67 \$6.60	\$8.00 \$5.75
Kan. City	9.00 8.50	8.45 6.50	7.50 5.75

Horse Market Steady.

Prices for horses and mules continue about steady. The principal demand is for farm grades, and the south is beginning to hold back for lower prices. The east is still buying choice heavy drafters. As soon as more favorable weather sets in dealers say demand will improve.

Seeds.

Kafir corn, No. 2 white, 82c. a cwt.; No. 3 white, 81c. a cwt.; alfalfa, \$9.12 a cwt.; flaxseed, \$1.09 a bushel; timothy, \$1.50 to \$1.75 a bushel; cane seed, 66c to \$1; red top, \$1.22; millet seed, 95c to \$1.15.

Grain Dull: Hay Higher.

Though prices for grain were slightly higher this week, the trade was dull. Receipts were light and on that account prices were advanced. It is quite probable that heavy country roads will reduce the movement from farms. Alfalfa hay was quoted up \$1 to \$2 a ton and tame

hay and alfalfa was up 50 cents to \$1. Light receipts caused the advance.

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

	Kansas City	St. Louis
Wheat—		
Hard No. 2	\$1.87 1/2 @ .88 1/2	\$1.90 @ .92
Soft No. 2	1.00 @ 1.07	1.07 @ 1.09
Corn—		
White No. 248 @ .48 1/2	.51 @ .52
Mixed corn ..	.48 @ .48 1/2	.48 1/2 @ .49
Oats—		
No. 2 white ..	.34 @ .34 1/2	.34 @ .35
No. 2 mixed ..	.33 @ .33 1/2	.33 1/2 @ .34

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

	Wheat	Corn	Oats
	1913 1912	1913 1912	1913 1912
Chicago	\$1.07 \$1.13	51 1/2 68	35 54 1/4
Kan. City ..	1.07 1.08	49 70 1/2	35 54 1/4

Hay Prices in Kansas City.

The following is the range of quotations on the Kansas City hay market:

Prairie, choice	\$10.50 @ 11.00
Prairie, No. 1	9.50 @ 10.00
Prairie, No. 2	8.00 @ 9.00
Prairie, No. 3	6.00 @ 7.50
Timothy, choice	12.50 @ 13.00
Timothy, No. 1	11.00 @ 12.00
Timothy, No. 2	8.00 @ 10.50
Timothy, No. 3	5.00 @ 7.50
Clover mixed, choice	12.00 @ 12.50
Clover mixed, No. 1	10.00 @ 11.50
Clover mixed, No. 2	8.50 @ 10.00
Clover, choice	11.00 @ 12.00
Clover, No. 1	9.50 @ 10.50
Clover, No. 2	7.00 @ 9.00
Alfalfa, fancy	17.00 @ 18.00
Alfalfa, choice	15.00 @ 16.50
Alfalfa, No. 1	12.00 @ 15.00
Alfalfa, No. 2	9.00 @ 11.50
Alfalfa, No. 3	6.00 @ 8.50
Straw	4.50 @ 5.00
Packing hay	4.50 @ 5.00

No Trade in Broom Corn.

Weather conditions kept buyers out of the country and prevented the delivery of broom corn already sold. Countrymen however show no uneasiness over the situation and are holding for firm prices. Nominal quotations for choice, green self-working corn are \$80 to \$100 a ton; fair to good, \$45 to \$75; common to fair, \$20 to \$40 a ton.

Live Stock in Kansas City.

The lower priced cattle last week advanced 25 cents and the better classes were up 10 to 15 cents. Choice steers sold up to \$9, the first time since new years day and the bulk of the steers brought \$8 to \$8.50. On the quarantine side the top price was \$7.95, the highest level ever reached in February. Cows sold at \$4 to \$7.50, and some odd head as high as \$8. Heifers brought \$5 to \$8 and veal calves \$6 to \$10. Demand for stockers and feeders was urgent. Feeders sold at \$7.50 to \$8.35, stockers \$7 to \$8.25, stock cows and heifers \$4 to \$6.75.

Hog prices in the first two days last week were advanced to a new high level for the year, and in the next two days fell back. Friday, the market was higher, and Saturday a nickel lower, leaving a 10 cent net advance for the week.

The following table shows the range in hog prices in Kansas City in the past two weeks.

	Last week	Preceding wk.
Monday	\$8.15 @ 8.40	\$7.90 @ 8.15
Tuesday	8.25 @ 8.50	8.00 @ 8.30
Wednesday	8.15 @ 8.35	7.95 @ 8.22 1/2
Thursday	8.15 @ 8.32 1/2	7.90 @ 8.15
Friday	8.20 @ 8.40	8.00 @ 8.25
Saturday	8.20 @ 8.30	8.10 @ 8.25

About 25 to 35 cents came off the lamb market and sheep were a quarter higher. Lambs are quoted at \$7.75 to \$8.35, yearlings \$7 to \$7.75, wethers \$5.50 to \$6.50, and ewes \$5.25 to \$6.15.

Live Stock in St. Louis.

Cattle trade last week was active. Prices were 10 to 15 cents higher. Receipts were light. Beef steers are quoted at \$6.50 to \$9, cows and heifers \$4.50 to \$8, stockers and feeders \$5.50 to \$7.50. Texas and Indian steers \$5.25 to \$7.90, calves \$5 to \$10.25.

Hogs Saturday sold up to \$8.65 or 10 cents above other markets. At that quotation prices were 15 cents lower than the high point of the week, though 15 cents higher than the close of the preceding week. The top price Saturday \$8.65 bulk \$8.35 to \$8.55.

Live Stock in St. Joseph.

There was a firm tone to the cattle market last week and prices were 10 to 20 cents higher. Beef steers are quoted at \$6.50 to \$8.90, cows and heifers \$4 to \$8, calves \$5 to \$9.75, stockers and feeders \$6 to \$7.75.

Hog prices Saturday were 10 to 15 cents higher than at the close of the preceding week, and early in the week they were 20 to 25 cents higher. The top price for the week was \$8.50, and Saturday the top was \$8.35, and bulk \$8.20 to \$8.30.

Butter, Eggs and Poultry.

Elgin, March 3.—Butter this week is firm at 35 cents.

Kansas City, March 3.—Prices this week on produce are:

Eggs—Firsts, new white wood cases included, 18 @ 18 1/2 c a doz.; current receipts, 17 1/2 @ 18 c; seconds, 12 @ 13 c.

Butter—Creamery, extras, 33 @ 34 1/2 c a lb.; firsts, 31 @ 32 1/2 c; seconds, 30 @ 31 c; packing stock, 19 1/2 @ 20 c.

Live Poultry—Broilers, 20 @ 21 c a lb.; spring chickens, 13 @ 14 c; hens, 14 1/2 @ 15 c; roosters, 8 1/2 @ 9 c; young turkeys and turkey hens, 17 @ 18 c; old toms, 14 @ 15 c; cull turkeys, 7 @ 8 c.

Produce Prices Now and One Year Ago.

	Butter	Eggs	Hens
	1913 1912	1913 1912	1913 1912
Chicago	36 23	19 1/2 21	14 1/2 14
Kan. City ..	34 1/2 23	18 1/2 21	15 13

BIG BARGAINS IN REAL ESTATE

Dealers whose ads appear in this paper are thoroughly reliable and bargains worthy of consideration.

Special Notice

All advertising copy, discontinuance orders and change of copy intended for the Real Estate Department must reach this office by 10 o'clock Saturday morning, one week in advance of publication to be effective in that issue. All forms in this department of the paper close at that time and it is impossible to make any changes in the pages after they are electrotyped.

SOUTHERN Kansas lands on the new R. R., \$10 to \$25 per a. Write or see JOHN A. FIRMEN, Hugoton, Kan.

SOME good bargains in well improved Jackson Co., Kansas, farms. Price \$75.00 and up. Wm. Harrison, Whiting, Kan.

BARGAIN: 57 a. extra improved, 3 mi. out, \$3,500. 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.

WANT to purchase section Western Kansas land at \$5.00 per acre, on terms. J. R. Collins, 1029 Omaha Nat'l Bank Bldg., Omaha, Nebraska.

\$1,000 CASH, balance easy terms. 160 a. in N. E. Kingman Co., fair imp's; a good farm; corn and wheat land. Price \$7,500.00. Box 82, Belpre, Kansas.

20 DAYS ONLY. 320 a. stock farm, Washington Co. One mile to shipping point. \$60 per a. Terms 50 a. wheat free. FRALLE BROS. REALTY CO., Bremen, Kan.

WRITE for big printed list of corn and alf. farms in rain belt of Kansas. Biggest list choice farms in state. Kenyon & Holtsman, Concordia, Kan. (Pioneer Kan. farmers.)

FARM HOME for sale. Well improved, in good location; all kinds of fruit. Plenty of shade and ornamental trees. For particulars address R. R. No. 2, Box 55, Mulvane, Kan.

CENTRAL Southern Kan. alfalfa lands. 320 a. valley land, 200 suitable for alfalfa, \$8,000. 160 a. in valley, 120 in cult., \$4,800. For free list write P. H. THORNTON, Coldwater, Kan.

SOUTHWEST KANSAS FARM LANDS. Honest prices. Where wheat leads the world. Corn crop values beat wheat and alfalfa growing leads the continent.

LISTON DENNIS, Stafford, Kan.

Stevens County

Write for prices on R. R. lands. Easy terms. Santa Fe Land Co., Hugoton, Kan.

Immediate Possession

6 farms, every one a bargain. Write, state size you want. SCHMEIL & SHARP, Osborne, Kan.

LOOK! 160 in garden spot of Harper Co. 1 1/2 mi. town, church and school; soft water; orchard, pasture, alfalfa. R. mail, phone. 90 a. wheat, looking fine. J. M. BROWN, Owner, Harper, Kan.

A REAL BARGAIN

To make division of property, will sell 400 acres of bottom land in heart of famous Artesian Valley of Meade County. Improved. Fine pump well and flowing well. 200 acres cuts two crops fine prairie hay. Adapted to alfalfa. Write PAUL R. WALTERS, Fowler, Kan.

Sedgwick County Farm Bargains

200 a. farm, all good land, fair improvements, good location, only \$45.00 per acre. Just the price of grass land. 145 a. farm, good 7 room house, 2 barns, mostly alfalfa land, fine location, \$62.50 per a. Terms to suit. 240 a. farm, all alfalfa land, good improvements, only 10 miles to Wichita, the biggest snap in Kansas at \$60 per a. \$4,600 handles this. Come quick for this. Call on or write H. E. OSBURN, 227 E. Douglas Ave., Wichita, Kansas.

Best Stock Ranch in Kansas for Money!

This fine ranch contains 22,000 acres, is in Finney county, Kansas, eight miles Southwest of Garden City, and two miles South of Holcomb, on the main line of the Santa Fe, which is one of the best roads in the West. Garden City is a beautiful town of 4,000 people, it is up to date in every way. It has a sociable, industrious class of people, with up to date schools, business places, modern homes, beautiful parks, long shady streets and pleasure drives, which make it an ideal place to live. Holcomb is just a small town six miles West of Garden City. It is a good little town with many modern bungalows, bank, alfalfa mill, creamery, good business houses, hotel and loading yards for stock.

This ranch is all fenced and cross fenced into 4 pastures, and has six good watering plants, three room house, branding shoot and other small improvements. There are 11,000 acres of this ranch that is deeded, and is the land here offered for sale. The balance is Government Forest Reserve land, and the whole amount is leased for about \$350 per year. This Forest Reserve land can only be leased by parties owning this deeded land. This ranch is watered by windmills, and always has plenty of good fresh water for the stock, which is much better than boggy creeks. This ranch is all underlaid with soft sheet water, that is always pure and cool in summer and warm in winter and is inexhaustible. This water can be had any place on the ranch by driving a pipe down 40 to 60 feet. There are about 4,000 acres of good smooth farm land out of the 11,000 acres. The balance is rolling to rough, and is not considered good for farming, but is the very best of grazing land, and is all covered with a good coat of grass. The principal grasses are blue stem, bunch, grama and buffalo, which makes this ranch valuable as a winter or summer ranch. The buffalo grass is the best winter pasture, and the other grasses are considered best in summer. Mr. James Cowgill, who has just retired from the office of State Treasurer of Missouri, owns a ranch joining this ranch. He claims to have cleared \$100,000 in five years handling stock on his ranch. The rough land furnishes good windbreaks, and makes a great protection in winter. This ranch would be a Paradise to any stock man, who is able to own and stock it. This ranch should be kept blocked as it is, but the present owner will divide it to suit the buyers, if a reasonable division can be agreed upon. The climate in this part of the country is very fine for handling stock, both winter and summer, and is an ideal place for the stock business. The owner of this ranch has spent ten years blocking it, but has decided to reduce his business, and sell the ranch at a bargain. He has decided to sell this ranch for \$7.50 per acre, and will sell for \$1.50 per acre cash, and the balance in 12 equal annual payments, with 5 1/2% interest on deferred payments. This low price, good terms, and low rate of interest makes this a very desirable proposition. Several men could form a company and buy this ranch and not work a hardship on any one of them. This ranch is near good markets, and the shrink on stock is very small in shipping. The 4,000 acres of farm land will grow good crops of corn, wheat, Kafir corn, maize and cane. Many fields can be seen in this part of the country on this kind of land, that the crop will more than pay for the land it grew on. One man on this kind of land had corn that averaged 37 bushels per acre last season. As long as population continues to increase, this ranch will grow in value. For further information, plats or maps, address,

JESS KISNER, GARDEN CITY, KANSAS

WRITE J. M. McCown, Emporia, Kansas, special bargain list, farms and ranches.

SEVERAL large ranches and tracts of wheat land to trade for income and land east; land on crop payments, some bargains for cash. BUXTON LAND CO., Utica, Ness Co., Kan.

FOR SALE: A section of fine, smooth land, black rich soil, 5 miles Jetmore, Co. seat Hodgeman Co. About 75 a. in cultivation. All can be cultivated. Only \$20 per a., one-fifth cash and long time and easy terms on the balance. For particulars write the owner, O. W. Dawson, Great Bend, Kas.

CASH BARGAIN. 240 a. well improved, bottom land close to town. No waste. Part time. Price \$84. E. changes. Write JESSE SIMPSON, Scandia, Kan.

280 A. 2 1/2 mi. from Garfield, Kan. In great Arkansas river valley. About 1/2 bottom land, remainder upland; about 200 a. broke, bal. pasture. Good new 7 room house; other outbuildings in good repair. This is an ideal location for a stock or dairy farm being close to main line of A. T. & S. F. R. R. Priced for quick sale at \$30 an a. Address owner, C. R. MURRAY, Garfield, Kan.

EASTERN KANSAS 1,000 acres, \$25 per acre. 1,730 acres, \$19 per acre. 1,871 acres, \$26 per acre. T. B. GODSEY, Emporia, Kan.

IF YOU WANT TO BUY LAND in western Kan. for \$6 to \$10 an a., write Geo. M. Lynch, Co. Treas., Tribune, 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.

50 FARM BARGAINS. Montgomery Co., Kansas; all sized tracts. Easy terms. \$30 to \$60 per acre. FOSTER BROTHERS, Independence, Kans.

WHEAT, ALFALFA AND GRAZING LANDS \$1,600 to \$4,000 a quarter. New railroad now building. Write for full information. H. J. HANSON, Hugoton, Kan.

100 IMP. and unimp. farms for sale in Edwards, Ford and Hodgeman Cos., \$1,100 1/2 up. For further information and list call on or address THOS. DARCEY, Offerle, Ks.

COMANCHE COUNTY BARGAIN. 480 a. improved, 9 miles from Coldwater. 1-1/2 a. fine growing wheat, all goes, for quick sale, price \$27.00 per a. Terms if desired. C. A. HEATON, Larned, Kansas.

KANSAS RANCHES FOR SALE. We have Kansas ranches for sale from 1,000 to 25,000 acres. Prices \$12.50 to \$30.00 per acre. Write for free list. V. E. NIQUETTE, Salina, Kan.

MORTON COUNTY. For complete information and list of bargains in deeded land and relinquishments near new railroad town, write LUTHER & CO., Rolla, Kan.

FOR SALE. 320 acres level wheat, laid \$9.00 per acre. Carry 7 1/2 on land. Also many other good bargains in corn, wheat and alfalfa lands. L. E. PENDLETON, Dodge City, Kan.

GREATEST JEFFERSON CO. BARGAIN. 160 a. 3 mi. to good R. R. town. Elegantly impr. \$55 per acre, 110 acres under plow, 10 a. fine wheat, bal. bluegrass pasture. A little timber. Several good 40 and 80 acre tracts from \$3,000 to \$5,000. Other great bargains.

JOHN A. DECKER, Valley Falls, Kan.

Along the New Railroad 5 quarters in Haskell, Grant and Stevens counties, near new railroad towns on D. C. & C. V., for \$7 per acre, on easy terms. Can sell single quarters.

HAVE GOOD PROPOSITION FOR AGENTS. DON VAN WORMER, Richfield, Kan.

OWNER MUST SACRIFICE—Fine, whole section; 100 a. in fall wheat. Ideal community. 4 mi. from good town. Price \$7,200. Better than railroad terms. Investigate. WINONA LAND CO., Winona, Kansas.

DO YOU WANT this 80 acre farm? It is well improved, 1/2 mile of town. Fine schools. A small payment will handle it. Ask about it—you will be surprised. F. D. GREENE, Longton, Kan.

A SNAP. 240 acres valley and alfalfa land, running stream, small house and barn, 2-3 in cultivation, close to town, 70 a. in wheat, price \$32.50 per a. Half cash, easy terms. TAYLOR & BRATCHER, Coldwater, 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.

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 \$55 per a.

WM. GODEY, Arkansas City, Kan.

480 A. 1 mi. town, 3,000 worth of imp., 250 a. wheat, 1/2 goes to purchaser. 8 room house, 2 good barns, cement cave with wash house above. 10 a. alfalfa fenced hog tight. Will sell for \$7.50 per a., below market price. Land list and particulars free. ROY C. BEARD LAND CO., Minneola, Kan.

160 A. bottom farm, improved, \$9,500. 440 acres first and second bottom, improved. 485 acres, highly improved, close to town. 160 acres, improved, \$8,500. All fine farms. Other fine farms, low price. No better for alfalfa, grain, fruit and vegetables.

LOCK BOX 285, Wellington, Kansas.

158 ACRES 5 miles of Ottawa, all tillable smooth land, 35 acres bluegrass, 40 acres timothy and clover, orchard, 9 room house, barn 40x60; double corn crib; holds 3,000 bu. corn, other outbuildings; buildings in good condition. Owner must sell; will loan \$8,500 6% Price \$85 per acre.

MANSFIELD, Ottawa, Kansas.

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.

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 gilt edge.

WILLIAMS & PICKENS, Meade, Kan.

OPPORTUNITIES FOR ALL. Satanta, Kan., R. R. company's choice of towns on Colmer cutoff of S. F. lines. Schools, church, several lines business. Good openings for various lines. Get in on the ground floor. Lands close in—reasonable. SATANTA COM'L CLUB, Satanta, Kan.

LINN AND BOURBON CO. FARMS. Biggest bargains in Kan. Corn, wheat, timothy, clover, bluegrass land \$15-\$30. 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.

FARMS AND RANCHES. 160 acres, 110 acres in alfalfa; about 50 acres in grass; good 6 or 7 room house; good barn and good fences. Plenty of water on farm; close to school and church. 4 mi. of a good town of 1,200. Price \$130 per a. Write or see T. L. Thompson, Augusta, Kan.

CLOSE TO COUNTY HIGH SCHOOL. 25 acres, smooth, fenced and fine well, no buildings, two blocks from above school at Altamont, fine town. Easy terms. Land no better situated \$150 an acre. I am forced to sell at \$180.

D. H. WALLINGFORD, Mound Valley, Kan.

\$1.75 Per Month for 10 months buys a guaranteed level, well located lot in Plains, Kansas. No "ifs" nor "ands," no favors shown, but a gilt edge proposition for those who act promptly. Only a few to be sold at this price. Send \$1.75 as first payment or write for complete list. JOHN W. BAUGHMAN, Desk G, Plains, Kan.

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 mi. town. Phone. Level roads. Will sell part or all. Terms on part. Price \$80 per acre.

T. F. JOHNSTON, Garfield, Kan.

FARMS FOR SALE One 50 acre farm, 3 miles from town; price \$1800. \$700 cash will handle this farm. One 20 acre farm 2 1/2 miles from town; price \$1200. 5 years to pay at 7 per cent interest. One 155 acre farm 5 miles from town. Price \$52.50 per acre. 120 acre farm 4 miles from town; price \$40 per acre. One fine 160 acre farm 3 mi. from town, price \$85 per acre. 117 acre farm 2 miles from railroad, price \$45.00 per acre.

J. C. LAMING, Tonganoxie, Kans.

30 Minutes From Wichita Union Stock Yards, just the place for a farmer and stockman. 120 acres in cultivation, 120 acres in grass, conveniently fenced into fields and lots. Some hog tight. A good 5 room house, barn, sheds, etc. Shallow water, all smooth and tillable; will grow good alfalfa; a deep rich loam soil. Just think of it! 240 acres all told for \$65 per acre and easy terms. This must be sold. THE LEACH REALTY CO., Wichita Kan.

ARKANSAS

LANDS CHEAP. Book and list free. Address J. T. Carlton, De Queen, Ark.

FOR SALE: Well imp. 240 a. near city, \$12.50 a. J. A. Webb, Russellville, Ark.

FARMS and fruit lands. All sizes and prices. T. A. Bayley, Ft. Smith, Ark.

GOOD farms, low prices, home mkt. Elevation. Health. Map. Lit. Hodge, Mansfield, Ark.

RED RIVER corn and alfalfa farms, \$20 to \$50 per acre; income \$50 to \$60 per acre. List free. E. A. JUSTUS, Foreman, Ark.

BENTON county. We have extra bargains in fruit and grain farms. Some exchanges. Address Fraser R. E. Co., Gravette, Ark.

891 A. alfalfa and cotton land; some improved, tracts to suit. \$75 per a. New list free. Pope Co. R. E. Co., Russellville, Ark.

40 A. improved fruit farm near Gravette, \$2,000. 400 a. timber land N. E. Okla., \$5 per acre. J. T. OSWALT, Gravette, Ark.

DO YOU want a home? Do you want unimp. land for an investment? Let us show you some bargains. Some exchanges. Star Land Co., Gentry, Benton, Co., 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.

17,000 ACRES, no rocks, hills or swamps. Any size farms Grant Co. \$1.50 per a. down, bal. 20 yrs. at 6%. Employment. E. T. Teter & Co., Op. Union Depot, Little Rock, Ark.

ATTENTION. We have selected list of very best bargains in farm, fruit, alfalfa and timber lands in Ark. Get our list of bargains. A. W. Estes Co., Little Rock, Ark.

160 A., 70 in cultivation, 10 pasture, bal. timber. 5 room house. Good barn, well fenced. Excellent water. R. F. D. phone. Near school. Price \$20 per a. Write HUDSON REAL ESTATE CO., Cabott, Ark.

120 A. impr. valley farm; 60 cult., bal. timbered; white community; public road; mail and phone route; orchard; good water. \$600 down, bal. easy.

ROBERT SESSIONS, Winthrop, Ark.

274 A. dark and red loam. 200 a. in cultivation, 6 room residence, 4 renter houses, barns, outhouses, wells, springs, orchard and pastures, on graded road, railway and phone line. 1 mile from town. \$6,000.00, easy terms.

H. M. McIVER, Texarkana, Ark.

A REMARKABLE BARGAIN. 623 ACRES; good 8 room residence; two tenant houses; 130 a. cultivation. 2 mi. railroad town. No wash land. Price \$10 per a. Other lands. R. C. THOMAS, Magnolia, Ark.

Arkansas Land \$5 to \$40 per acre. 1913 land list free. J. E. DOW & CO., Carter, Arkansas.

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.

LOUISIANA

DON'T be a renter; we sell finest improved corn land in North Louisiana on 15 years time. Write HUGO JACOBSON, Salina, Kansas, immigration agent.

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.

MISSOURI.

25. OZARK bottom farms. List free. Write J. H. Wright, Marshfield, Mo.

455 A. Best stock farm in Mo., at price \$7,000. Write "Brown's," Golden, Mo.

WRITE Morris & Walker for list of south Missouri farms, Mountain View, Mo.

160 A. farm, \$1,800, imp. Write for picture. Box 594, Mountain View, Mo.

STOP! Listen! 80 a. creek farm \$850; terms. Other farms. McGrath, Mountain View, 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.

FREE, "The Ozark Region." Contains new list cheap lands, and valuable information. Durnell & McKinney, Cabool, 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.

LAND BARGAINS—\$5 down, \$5 monthly buys 40 acres, good timber land, south Missouri; price \$200. Perfect title. Write for list Mo. lands. Fred Jarrell, Mt. Vernon, Ill.

VALLEY FARMS, \$25 to \$50; unimproved lands, \$6 to \$20; orchard and berry farms, \$40 up; water and climate unexcelled. Literature and free list. ANDERSON REAL ESTATE CO., Anderson, Mo.

ONE OF THE BEST 200 acre farms in Howell Co., Mo. 160 a. cult. Good house, large barn, other buildings. Fine water, all fenced; plenty fruit. Near county seat. 1/4 mi. school, 3 mi. town. \$6,500. Terms. No trade. A. P. COTTRELL LAND CO., Pomona, Howell Co., Mo.

\$5 DOWN \$5 MONTHLY buys 40 acres near town; grain, fruit, stock and poultry land. Price \$200.00. Other bargains. BOX 372-R, Carthage, Mo.

BATES COUNTY FARMS ranging from 40 to 800 acres; \$40 to \$25; located 60 miles south of Kansas City, Mo. J. D. SAGE, Amsterdam, Mo.

A SNAP FOR THE CASH. 200 acres, 160 fenced, 120 cultivation. 2 1/2 miles to postoffice, 1 mi. to school, 10 to county seat. Good house and barn; everlasting spring, fruit; price \$4,000. Will give terms. KIRWAN & LAIRD, West Plains, 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, 1/4 mi. school; mortgage \$500 due 4 yrs. at 5 1/2%. Price \$1,400. List free. JAS. B. WEBB, West Plains, Mo.

SPECIAL BARGAIN MUST SELL QUICK. 284 acre farm, highly improved and most conveniently located. In Pettis county, Mo. Must be sold by February 15th, 1913. Has 100 acres of good bottom land. An ideal stock farm. Price \$45 per a. Small payments and easy terms. No trade. J. H. FREDERICH, Cole Camp, 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., Holt, Mo.

Poor Man's Chance

40 acres, well improved, 6 miles Warrensburg, town 6,000, 1/4 mile school. All in cultivation, lots of water. Price \$50 per acre. O. J. TAPP, Warrensburg, Mo.

Public Land Acquired Without Residence

Write for particulars of organization forming for securing large block public agricultural land at government appraisement; \$500 represents 140 acres. KELLY & KELLY, Sharp Bldg., Kansas City, Mo.

530 ACRES

Taney Co., Mo. 9 miles from r. r., 3 miles Co. seat. 190 a. under fence. Log house, stable, drilled well; 75 a. in cult., 200 more tillable. Bal. good grazing land. Well watered by springs and White River. Cedar and oak timber. Price \$15 per a. Write L. A. ATKINS, OWNER, HOLLISTER, MISSOURI.

A Remarkable Bargain

320 A. all level land, 65 a. in cult., 80 a. pasture; bal. saw and timber. 180 fenced, wire and rail; 9 room house, good well at house; barn 70x70; good well at barn; smoke house, other outbuildings; phone in house; handy to school and church; 6 mi. to North View on Frisco R. R. 5 mi. to Fairgrove; 8 mi. to Co. seat, Marshall; price \$17,500. 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.

S. E. Mo. Corn Lands

We are in the heart of the drained lands of S. E. Mo. The soil is a fine black, sandy loam and adjoins town of Malden; population 3,000. Five thousand acres have been sold and is in cultivation. A Kansas farmer said he would not take \$1,000 for his bargain. The price on this land is \$30 per a. 1-6 cash, bal. one, two, three, four, five years at 6 per cent. Write for literature. MALDEN REAL ESTATE CO., Malden, Mo.

CANADA

CANADA LAND For Sale: A few choice sections well located in Saskatchewan and Alberta. Very easy terms to actual settlers. Address Box 329, Minneapolis, Minn.

ARIZONA

ARIZONA for good government land. Climate healthy, summers cool, winters mild, soil fertile. Grain, fruit and dairy. 200 mile auto ride through valleys. ELGIN CO., Elgin, Ariz., or Fisher Hotel, El Paso, Tex.

OKLAHOMA

INDIAN LANDS eastern Okla. rain belt. Write J. J. Harrison, Pryor, Okla.

N. E. OKLA. prairie farms. Easy payments. Write J. T. Ragan, Vinita, Okla.

600 FARMS and other prop. for sale or ex. Blackwell Real Estate Co., Blackwell, Okla.

E. OKLA. lands, \$10 up. Bargains, homes, investments. Dennison & Griswold, Claremore, Okla.

KAY COUNTY corn, wheat and alfalfa lands, \$20 to \$75 per acre. New list free. N. E. SAYLOR, Newkirk, Okla.

160 A. of good soil at a bargain, near Watonga, write for price and desc. A. G. CLEWELL, Watonga, Okla.

320 ACRE well improved farm, 2 1/2 miles N. W. of Nowata for \$50 an a. Terms. Would trade for Iowa or Illinois farm. Other snaps. WILKINSON BROS., Nowata, Okla.

IMPROVED 240 a. farm in E. Oklahoma for sale. Running water. Price \$45.00 per a. For full description write or see Troy L. Powell, Raymond Bldg., Muskogee, Okla.

800 ACRES black land, 2 1/2 miles from railroad. 450 acres in cultivation, 4 sets of improvements. \$30 per acre. E. HOLCOMB, Durant, Oklahoma.

320 ACRES creek bottom, alfalfa land, 6 miles two good towns, 200 in cultivation. 25 in alfalfa, more prepared. Moderate improvements. \$35 per acre. ROBERT L. KNIE, Cordell, Okla.

640 A. 3 mi. Hodgess, Okla., on main line Ry. In fine grass and timber; part tillable, close to oil and gas well drilling. For quick sale \$5 per a. W. F. Colnon, Heavener, Okla.

BARGAINS on farms in New Eastern Oklahoma. Good wheat, alfalfa and small grain land. 47 inch rain belt. Fine grass and several large ranches, cheap. Write today. Unjon Security Co., McAlester, Okla.

200 A., 160 tillable. Used for meadow. Bal. fine pasture all under fence, close to city of 2,000, this county. Make 1 1/2 tons hay per a. Hay never worth less than \$8 per ton. Price \$25 per a. No exchange. Write us for bargains. SOUTHERN REALTY CO., McAlester, Okla.

CADDO COUNTY WINS First on agricultural products at State Fair. Write for information, corn and alfalfa lands. Baldwin & Gibbs Co., Anadarko, Okla.

SEVERAL FINE FARMS FOR SALE in the best corn and cotton belt of Eastern Oklahoma; 80 to 600 acre tracts, \$25 to \$60 per acre. R. B. HUTCHINSON, Checotah, Okla.

INDIAN FARMS for sale in rain corn and oil belt of N. E. Oklahoma at from \$15 to \$35 per acre. Easy terms. A perfect title is guaranteed. For description and prices write the owner, W. C. WOOD, Nowata, Oklahoma.

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.

TEXAS

FREE. Taylor's Texas Investor (Magazine). A money saver, write now; six months free. H. S. Taylor, Houston, Tex.

WRITE FOR FREE literature describing choice lands in the Eagle Lake district. Send your name today. Fidelity Immigration Co., Eagle Lake, Tex.

RANCH of 1,500 a. near Brownwood, Tex.; best farming or cattle raising ranch in state; close to 2 railroads; title clear; no inc.; will sell ranch or cut into farms. Terms. C. W. NICHOLS, 631 Rialto Bldg., K. C., Mo.

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., Dalhart, Tex.

LISTEN! Tarrant county, Texas, has more railroads, more inducements for homeseekers in good lands, plowed roads, good markets, health record, schools, churches, etc., all things considered, than any county in the Southwest. Ask for special list of farms, ranches and dairy propositions, c. to this great city. KITCHEN-VAUGHN-SEAVAR CO., Fort Worth, Texas.

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. Stanciliff 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 ALLISON RICHEY LAND CO., 2nd Floor Carter Bldg., Houston, Tex.

All About General Farming in the Mid-Coast Country of Texas Write for our illustrated booklet. Mid-Coast Colonization Company A. A. Highbarger, Mgr., Bay City, Texas.

FOR SALE OR EXCHANGE

EXCHANGES—all kinds—Tree list. Foster Bros., Independence, Kan.

IF YOU have mdse., income property or land to trade, list it with Triplett Land Co., Garnett, Kansas.

LIST your trades with me for quick returns. No matter where located. ELI W. GREGG, Leede, Okla.

BARGAINS in southern Kansas farms. \$40.00 to \$75.00 per acre. Exchanges. Send for list. N. E. Paulin, Parsons, Kan.

\$16,000 GENERAL merchandise, never changed hands; for good Kansas land. A. W. BREMEYER, McPherson, Kansas.

960 A. Trego Co.; 200 creek alfalfa land, impr. \$24,000. Would consider good 160 acre farm for part. Stevens & Ruby, Stockton, Kan.

WANT MERCHANDISE for 320 a. alfalfa, wheat and beet farm. 240 under ditch, \$65.00 per a. Clear. Owner will put in some cash for No. 1 stock. Box 374, Garden City, Kan.

TOUCH a live wire. Our Red Letter Special will trade your property. List today. Guaranteed deal. Write for particulars. Midwest Realty Exchange, Riverton, Neb.

TO TRADE: 360 a. improved farm, 4 1/2 mi. to Wakeeney. Fine land. Price \$40 per a. Mortgage \$4,800. For good eastern Kansas land. W. A. Doerschlag, Ransom, Kan.

WOULD you trade your farm; city residence, rental property; mdse.; hotel; steam plow; auto or other property for good land? Write Kysar Realty Co., Goodland, Kan.

WHAT have you to trade for Arkansas level cutover land? Close to railroad; no overflow; no negroes; no rocks. Shaeffer Land Co., 640 Reserve Bk. Bldg., Kansas City, Mo.

FREE—Loose Leaf Exchange Book. It will match your trade. Write Desk A. E. P. JOHNSON, Ordway, Colo.

BOOK 1,000 farms, etc., everywhere, for ex. Get our fair plan of making quick square trades. Graham Bros., Eldorado, 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.

FOR SALE AND EXCHANGE Ozark lands in tracts to suit, \$4.00 acre up. List free. Anna E. Hockensmith, Ava, Mo.

FOR SALE AND EXCHANGE Washington Co. improved farms at \$50 to \$180 a. Write F. E. Beeson, Washington, Ks.

WANT ARKANSAS LAND in exchange for good improved 160 acres Phillips Co. Other exchanges. I. R. ELDRED, Phillipsburg, Kan.

THIS MEANS YOU. Wipe the tears out of your eyes. We can trade that mortgage. Will get what you want. List your property. OWNER'S SALE & EXCHANGE, Independence, Kan.

EXCHANGE—800 acres, Saline River Valley, Ark. No overflow, rocks or gravel. Near Little Rock, 1 1/2 miles to Poyen. Want Kansas, Oklahoma or Texas land or auto. Trade all or part. Price \$20,000. B. LUDEMAN, Muskogee, Oklahoma.

160 ACRES, 6 mi. N. W. of Deerfield, Kearny Co., Kan. 100 acres in cultivation, bal. in pasture. Fenced and cross fenced; fair barn and house. Price \$3,500. Incumbrance \$1,000. Will trade for groceries or drugs. Will consider other trades. W. T. HALE & SON, Dodge City, Kan.

CALIFORNIA

CALIFORNIA alfalfa and fruit lands. Only \$50 to \$110 per acre including water right. Terms, one-fourth cash, bal. 8 payments commencing second year. Send for booklet 161. Agents wanted. The Cal-Tex Inv. Co., 908 Security Bldg., Los Angeles, Cal.

FLORIDA

FOR SALE BY OWNER: Four very desirable improved pieces of property in Alachua county, Fla. 90, 20, 30 and 50 acre tracts on large lake. Not to be classed with the ordinary Florida lands being offered for sale. Terms to suit customers. T. S. McMANUS, Waldo, Fla.

COLORADO

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.

GROCERIES for land or land for mdse. F. Gass, Joplin, Mo.

FOR SALE AND EXCHANGE. Ness Co. lands and mdse., at low prices. No triflers. Fully describe and price your proposition. C. F. Edwards, Ness City, Kan.

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.

FIRST CLASS HOTEL FOR SALE. 20 rooms in the best small new town in south Florida. New and modern, completely furnished, good water connections in house. A rare opportunity for a hustler. FLORIDA DEVELOPMENT COMPANY, Davenport, Fla.

FOR EXCHANGE. 160 a. in Anderson Co., Kansas, 4 mi. of Goodrich, improved, good farm; wants resident property in Topeka or Kansas City. 320 a. timber land, smooth, in Christian Co., Mo., 5 mi. of Chadwick. Price \$6,400. Want mdse. SPOHN BROTHERS, Garnett, Kan.

ONE OF THE BEST PAYING PROPOSITIONS IN GARNETT, COUNTY SEAT OF ANDERSON COUNTY, KANSAS.

Stone and brick hotel, double building, two story, on main street from Santa Fe depot, all furnished, 25 cents per meal. Does the biggest business of any hotel in Garnett. Price \$8,000.00 complete. Owner will exchange this for a good farm of about equal value worth the money. Best of reasons for disposing of the same. Address WILSON & RESSEL, Agents, Colony, Kan.

Buy or Trade with us—Exchange book free Beside Agency, Eldorado, Ks

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-Forsce Bldg., St. Joseph, Mo.

For Sale or Exchange 13 lots in St. Joseph, Mo., South 22nd St., between Oak and Cedar, 3 room modern dwelling, 4 room cottage, brick cave, barn, cistern, shade, good location and repair. Price \$14,000.00. Incumbrance \$6,200.00. Two lots Maysville, Mo., small improvements, \$2,200.00. Incumbrance \$500.00. Also \$4,200.00 1st mortgage, 313 acres in St. Clair Co., Mo., 2 yrs. 6%. Equity in all or part for equal value in land or merchandise. Submit your offer. W. L. BOWMAN REALTY CO., King City, Mo.

For Sale or Exchange

160 a. of good land for a Percheron stallion and mares; must not be over 6 years old. W. Jones, Garnett, Kansas

Want a "Buick" Auto?

Have two model "F" Buick automobiles to trade for livestock of any kind if priced worth the money. Cars have been owned by farmers and are in excellent condition. M. W. PETERSON, Hanston, Kan.

To Exchange

160 a. of good land for a Percheron stallion and mares; must not be over 6 years old. W. Jones, Garnett, Kansas

COLORADO

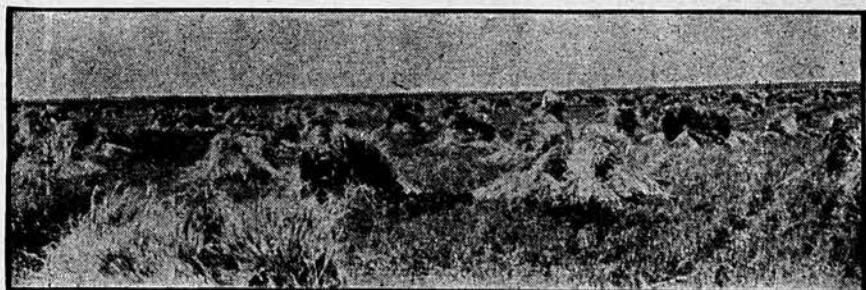
BEAUTIFUL irri. farms, fruit, sugar beets, grain, alfalfa. Ordway Land Co., Ordway, Col.

960 A. stock ranch, \$16,000. Well improved. Fine hay, irrigated, good range. All tools, stock, all equipments. L. A. COBB INV CO., 242 Century Bldg., Denver, Colo.

182 ACRES 3 1/2 miles from Ft. Collins, 1/2 mile to good school. Last year 50 acres beets sold for \$5,600; 50 acres alfalfa sold for \$5,500. Best water rights guaranteed. First class improvements all around. Can be leased to present tenant for \$1,500 net per yr. for 5 years. \$11,000 cash and time on remaining \$10,000. Let me send you particulars of this and other bargains in stock ranches, irrigated farms and garden tracts. F. S. DOTY, 337 Ry. Ex., Denver, Colo.

COLORADO BARGAINS. Stock ranches, irrigated farms and garden tracts. H. E. KEELER, 1649 Champa, Denver, Colo.

THE INTERNATIONAL REALTY & INV. CO. 618-20 Gas and Electric Bldg., DENVER, COLORADO Write us for highly improved irrigated and dry farms, choice Fruit Tracts in Colorado, and City Property in Denver.



One of the large wheat fields in the SHALLOW WATER DISTRICT, Logan county, Colorado. This field yielded 46 bu. per acre. This is the finest farm land in the West, and we are selling it at the very lowest prices. One crop pays for the land. Finest soil and water. Close to market. Agents wanted. Write for free circular. PLATE RIVER VALLEY LAND COMPANY, 1119-22 City National Bank, Omaha, Nebraska.

SAVE-THE-HORSE



THE TIME IS NOW

All the winter long, the troubled owner of a lame horse reads our advertisements. Then, day after day slips away, while he talks, listens, takes advice and hesitates—**FAILS TO ACT**—till the Springtime is on him and his horse is not yet able to work. Meantime the thrifty, prosperous, resolute man, reads, considers the evidence carefully—**Decides Promptly**—and his horse is working in, say, ten days to two weeks. That's exactly what happens every winter.

We originated the treatment of horses by mail—Under Signed Contract to Return Money if Remedy Fails—and every minute of every day for seventeen years our advice and treatments have been on the way wherever mails go and horses are. Our charges are moderate. Spring work is near; Write.

Our Latest Save-The-Horse BOOK is a Mind Settler—Tells How to Test for Spavin—What to Do for a Lame Horse—Covers 58 Forms of Lameness—Illustrated. But write describing your case and we will send our BOOK—Sample Contract and Advice—**ALL FREE**—to (Horse Owners and Managers—Only.)

TROY CHEMICAL CO. 15 Commerce Ave., Binghamton, N. Y.
Prescripts everywhere sell Save-the-Horse WITH CONTRACT or sent by us Express Prepaid.

"Little Wireless Phones"

For the ears that will cause you to

HEAR

What eye glasses are to failing sight, my invisible ear drums are to lost or failing hearing. Just as simple and common sense and on the same principle, for they magnify sound as glasses magnify sight. They are really tiny telephones of soft, sensitized material, safe and comfortable, which fit into the orifice of the ears and are invisible. They can be removed or inserted in a moment and worn for weeks at a time, for they are skillfully arranged for perfect ventilation and anti-friction. These little wireless 'phones make it easy to hear every sound distinctly, just as correct eye glasses make it easy to read fine print. Among the nearly 400,000 people whom they have enabled to hear perfectly, there has been every condition of deafness or defective hearing. No matter what the cause or how long standing the case, the testimonials sent me show marvelous results.

Common-Sense Ear Drums

have restored to me my own hearing—that's how I happened to discover the secret of their success in my own desperate endeavors to be relieved of my deafness after physicians had repeatedly failed.

It is certainly worth your while to investigate. Before you send any money just drop me a line. I want to send you free of charge my book on deafness and plenty of evidence to prove to you that I am entirely worthy of your confidence. Why not write me today?

—GEORGE H. WILSON, President
WILSON EAR DRUM CO., Incorporated
944 Inter-Southern Building, Louisville, Ky.

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FACTORY PRICES—Do not buy a pair of tires from anyone at any price until you write for our large Art Catalog and learn our wonderful proposition on first sample bicycle going to your town.

RIDER AGENTS everywhere are m-k'n big money exhibiting and selling our bicycles. We sell cheaper than any other factory. **TIRE, Coaster-Brake rear wheel, lamps, repairs and all sundries at half usual price.** Do not wait write today for our special offer.

HEAD CYCLE CO., Dept. D131-CHICAGO

LANDOLOGY

A magazine giving the **FACTS** in regard to the land situation. 3 months' trial subscription. **FREE** If for a home or investment you are thinking of buying good farm land, simply write me a letter marking it "Personal" and enclose 10c each. Order jewelry.

"Mail LandoLOGY and all particulars free." Address: **LLOYD M. SKINNER, Gen. Mgr.**
Siddons Land Co., 113 Hall Ave., Marinette, Wis.

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 for watch, ring, chain. Address: **ADRIAN HATCH CO., Dept. 59 Chicago**

Editorial News Notes

Tickets for the Schumann-Heink recital on March 16th, at Lindenberg, will not be placed on sale at various points as has been the custom in former years. Owing to the heavy demand this plan is impossible. Parties desiring tickets should therefore write direct to Bethany College, Lindenberg, Kansas.

There is certain to be more interest in silos in Kansas this year, and more silos will be built than in any previous year. The record during the past four years has practically been that 24 new silos have been built each year as in all the years preceding. One of the favorite silos in Kansas is the "Des Moines" made by the Des Moines Silo and Mfg. Co. It is a stave silo, well and correctly made by experienced experts, and sold at a reasonable price. H. C. Hargrove, the president of the company, is one of the best known silo men in the country. There is a Des Moines ad on page 23 which will pay you to look up. You will be interested in the Des Moines catalog. Write for it to the Des Moines Silo and Mfg. Company. Mention this paper when you write for the catalogue.

Strawberry plants that grow and do best are the kind offered by our old Strawberry friend, J. L. Tood & Co. These people know how to handle Strawberry plants their years of experience in the business has taught that great care must be taken and that they must be packed right or the customer is liable to make a failure in planting them; then too this firm has gone to a great expense to tell every one of their customers who send for a dollar's worth of plants just how to prepare the ground and plant them. They are now having printed five thousand copies of their new little book, which tells how to plant and grow small fruits. One of these books will be given to every person that sends them a dollar for their special collection of strawberry plants which is offered on page 31 of this paper; also a 32-page catalog describing their fruit. Address J. L. Tood & Co., R. R. No. 3, Des Moines, Iowa.

"Why Incubator Chicks Die."

Any reader of this paper can secure a valuable book on this subject by sending their name together with the names of five other poultry raisers to Dept. A, Kazum Remedy Co., Kansas City, Mo. The book is free to our readers. Write for it today.

Galvanized Steel Lice Proof Nests.

In another part of this paper there appears the advertisement of the Knudson Mfg. Co., of St. Joseph, Mo., manufacturers of galvanized steel lice proof nests. This product is attracting the attention of poultry raisers throughout the United States, all of whom recognize the fact that happy hens earn big profits. This is also a slogan of the Knudson Company which maintains that these galvanized nests will keep the hens free from lice and mites; are sanitary; cannot get out of order; will last a lifetime and earn their cost many times over. These nests are now being offered at a special introductory price of \$3.50. If you are interested ask for free catalog. Write Knudson Mfg. Co., Box 403, St. Joseph, Mo. See ad on page 33.

Guarding Against "Mishaps" in Hatching Chicks.

It is a regrettable fact that the larger part of the failure in hatching chicks might be avoided. The "accidents" and "bad luck" arise from wrong conditions. Not only heat, fresh air and moisture are required, but there is a certain definite relation between them that must be observed. Failure to observe this relation inevitably results in failure or partial failure of the hatch. The great difficulty is that poultry raisers do not have the knowledge and the skill in themselves to determine and apply these conditions correctly. It is right here that one incubator, the Mandy Lee, comes in and fills a long-felt want. The Mandy Lee is the one incubator which measures moisture as it measures heat. Heat, moisture and fresh air are regulated and adjusted to each other. And the beauty of it, all this is done automatically. The Mandy Lee incubator is manufactured by the Geo. H. Lee Company of Omaha, Neb. It is justly one of the most popular of all the incubators, because operators do not need to depend on their own judgment. They depend upon the incubator. The Mandy Lee is known as "the incubator that hatches by rule." If you prefer to hatch chicks by following plain rules rather than by trusting to your own judgment of "conditions," write to the Geo. H. Lee Co., 1165 Harney St., Omaha, for the 1913 Mandy Lee catalog.

An Ideal Car for Farmers.

Farmers are constantly seeking information about this type and that type of automobile. Automobile information is especially fascinating and, in the interest of our readers, we are presenting some facts about one splendid car—the Hudson "37"—that has performed admirably in the hands of farm owners. The facts about it will be valuable for a farmer to look for in selecting any automobile. It is 43 horsepower on the brake test, has a wheel base of 118 inches, is electric self-cranks and electric lighted and has the reliable right hand drive, which is so important in running on farm roads, owing to the fact that it enables the driver to keep the wheels on his right side from going into ditches, when passing another automobile or vehicle on narrow roads. You merely press a button to start the motor. An electric motor meshes a transmission with the cogs on the fly-wheel and revolves the gasoline motor until combustion is secured. The system is practically infallible, having been given 1,000 tests on dealers' floors in many sections of the country and having resulted in 1,000 starts from that number of tests. So confident are the manufacturers, that they have even left off the crank, because the self-cranks system is absolutely dependable. To illustrate how the car will stand the bumps and jolts of the road, is the fact that before it was publicly announced, it was given a 20,000 mile test, which consumed approximately nine months. During this test the car was driven at train speeds by a racing driver whose services were secured for the purpose, and he endeavored to smash the car, if that were possible. He went up into the Alleghany mountains and through them from Pittsburgh to Philadel-

phia by the worst known roads—the passes against which motorists are warned, unless they are expert drivers and their cars are built for the roughest usage. The car conquered the mud of Illinois, the sand of Michigan, the sticky gumbo of Missouri and Iowa and the entire test covered the worst road conditions of 10 states, the Alleghany mountains and southern Canada. When the long trip was finished, it was equivalent to 40,000 miles of the average farmer's driving or equal to four years' use in his hands. The New Hudson "37" is a simple car. Simplicity is the keynote of low up-keep, which is a vital matter in every farmer's choice of an automobile. If his automobile is not well designed, wires, props and supports are necessary. These things, of course, need constant attention and adjustment, which takes your time and the repair man's time and also costs money. But, with the simple car, you have none of these things to look after—no expenses to pay for their adjustment and repair—because wires and props are unnecessary in the New Hudson "37." The New Hudson "37" is a beautiful car. The broad sweep to the back of the car, its long handsome Americanized European lines, the rakish cowl from the windshield to the hood, its flush sided body, make it supreme as to beauty. Its 12-inch Turkish cushions are deeper than those on many high priced cars. In short, the Hudson car is an extraordinary automobile value. For the reasons given above, it is an ideal car for a farmer to have. The Hudson people also build a six cylinder car. It has a smoothness in action not possible in a four. So lively and quick is it, that at the touch of the throttle, it will jump to a speed of 58 miles an hour in 30 seconds, if anyone should ever care to have the car do such a thing. Sixes seem to be the most popular car of the future and, since the Hudson people have the largest staff of engineers employed by any company, any farmer, who thinks of buying a good car, should investigate the Hudson. See the Hudson ad on page 9.

Saving Time With a Studebaker.

For two long, busy days, the threshers had been holding sway at a big Kansas farm. By scores, by hundreds, by thousands, the golden sheaves had been deftly fed into the maw of the big, red machine, to emerge as straw and neatly sacked grain. One more day would complete the run and the owner of the broad acres was congratulating himself on the good weather and the approaching end of the task. Suddenly the steady hum of the machine was broken. There was a sharp grinding sound. The engine hurriedly shut off the power and men paused to wipe the sweat from their brows, wondering at the extent of the breakdown. Inspection developed the fact that a gear had been stripped. The farmer and the thrasher boss talked it over. "If I was in town," said the latter, "I could get another pinion at the implement store, and have the machine running in 20 minutes, but it's 12 miles away and almost dinner time now. I'm afraid we'll have to lay off till tomorrow." "Lay off your grandmother," exclaimed the farmer; "not while my Studebaker is waiting for us, over in the garage. Tell the boys to have their nooning early. You come with me." Before the thrasher boss had donned his coat, the farmer's automobile rolled out and the trip was begun. Straight, hard and smooth stretched out the highway and the speedometer had climbed to the 30 mark, wavering but little as the miles sped by. A telephone message to the implement store had already specified the part wanted, and the proprietor had a boy ready at the door, with the wanted pinion in his hand. In but a few minutes more than the hour, the car turned in again at the gate. The broken part had already been taken out. The new one was slipped into place. The men came back from their dinner, the little engine began to puff and the day's work went on, as if nothing unusual had taken place. The thrasher had watched a moment to see the repair make good. Then he strolled over and joined the farmer. "Well I yum," he remarked, "that automobile of yours has just saved us the labor of 13 men, fixed me so that I can move on and keep my schedule at the Hawkins place tomorrow and has kept your good weather in the bargain. The little tractor over there is all the automobile I've got. Why it's a dividend payer, man; and a joy wagon to boot!" There was a smile on the bronzed face of the farmer when he answered: "You're right, Joe. And this isn't the first time that auto has helped me cash in. It isn't even the biggest of the dividends, as the wife up at the house will tell you too. You may have thought I let that car stop today but we were only jogging. You should have ridden with me the day last fall when the boy cut that awful gash in his foot. He fainted from loss of blood when we lifted him into the tonneau. The wife rode with him and we started for the doctor's over the frozen road. I don't know what the world's record is for 12 miles, straightway, but I know I hold it. When we got there, and the doctor had stopped the blood and had the foot bandaged up nicely, he found time to tell me on the quiet that, beyond a doubt, the auto had saved the kid's life." "Will they put the horses out of business?" asked the thrasher boss, ruminatively. "Not in your life, Joe, nor in mine, if ever," was the reply. "Work on a farm is a horse's job, and will be for a long time. I'm crazy about my car but it's got its limitations. I don't keep any light drivers any more, and I've sold the two-seated rig we used to use to carry us to church and to town, when we all went. But I'd no more think of getting rid of my draft horses and chunks than I would of selling my car. I guess everybody is coming to the same conclusion. Most of the neighbors who haven't got cars, are expecting to add 'em in the spring, and we all figure our horses a little higher than ever before, based on the general market prices." See the Studebaker ad on page 7 of this issue. Write for catalog, mentioning this paper.

BIG AMUSEMENT PACKAGE -- 10C

SPLendid GAMES, Checkers and Chess with Men, Dominoes, Fox & Geese, 9 Men Morris, Auction—48 cards, 22 Songs, 19 Fun Cards, 45 Magic Tricks, 70 Great Puzzles, 224 Jolly Jokes & Riddles, 55 Money Making Secrets, 12 Love Letters, 175 Ways to Flirt, How to Charm Others, to Tell Fortunes and 500 other things to entertain the entire family. The Big Package sent for 10 cts. **SAMUEL COOPER & CO., Box 34, Horton, N.Y.**

TRAPPERS

We Pay Highest Cash Prices
We are the oldest established Fur House in Kansas City—have been paying highest cash prices and always giving our customers a square deal on every shipment since 1870. Ship us all your

FURS

We need all you can send, right now. We pay the prices we quote; give liberal assortment, do not undergrade, and remit cash in full same day shipment is received. We charge no commission. Send today for our free price bulletin quoting highest cash prices which we actually pay, free, large and full particulars.
M. Lyon & Co., 226 Delaware St., KANSAS CITY, MO.

JUR TRAPPER'S FRIEND AND GUIDE FREE

Send 10c to cover postage and mailing only. **MODERN METHOD OF TRAPPING**—Govt. ment experts' secrets. AS DIFFERENT FROM OLD METHOD as an automobile is from a stagecoach. 514 p. 28 in. 100 illustrated pages, also is a FAMILY BOOK. NEW MAY, 1912. **WILL BROS. & CO., 241 N. 1st, FT. WAYNE, IND.**

MEN WANTED IN AUTO BUSINESS

Big demand for trained men. Earn from \$75.00 to \$150.00 per month. Learn all about automobiles in six weeks by **THE "SWEENEY SYSTEM"**

of practical experience. In our machine shop, garage and on the road, you learn by actual experience how to repair, drive, demonstrate and sell automobiles.
FREE—Write today for catalog and certificate, entitling you to free \$50 course in running traction engines—we own two tractors. Only auto school in the world teaching traction engineering. Send name today.
SWEENEY AUTO SCHOOL
1300 Woodland Ave., Kansas City, Mo.

CANADA'S OFFERING

The American Rush to Western Canada is increasing. In the Districts of Manitoba, Saskatchewan and Alberta, there are thousands of Free Homesteads left, which to the man making entry in 1913, will be worth from \$500 to \$1,000 per acre. These lands are well adapted to grain growing and cattle raising. Excellent Railway Facilities. In many cases the railways in Canada have been built in advance of settlement, and in a short time there will not be a settler who need be more than 200 or 250 miles from a line of railway. Railway Rates are regulated by Government Commission. **SOCIAL CONDITIONS.** The American Settler is at home in Western Canada. He is not a stranger in a strange land, having nearly a million of his own people already settled there. If you desire to know why the condition of the Canadian Settler is so prosperous write to any of the Canadian Government Agents and send for literature, rates, etc., to

Canadian Government Agent
125 W. 9th St.
Kansas City, Mo.
or address Dept. of Immigration, Ottawa, Canada.

SAVE MONEY ON YOUR HARNESS

Order direct from the harness manufacturer. Save each in the harness business for 27 years. I sell direct to the user at but one small profit. I save you all the middlemen's profits. My line of illustrated catalog is just off the press. Write for it today.
JAMES LUNDON, Harness Manufacturer
217 S. 4th St., Saint Joseph, Missouri

THE BIBLE LOOKING GLASS

Next to the Bible it is the most remarkable book in the world. Retail \$2.00. Agents making \$10.00 daily. Get terms and free outfit quick.
NICHOLS & CO., Naperville, Ill.

Law Should Stop Sale of Leg-Strap and Spring Trusses

Wrong To Buy Anything For Rupture Without Getting 60 Days Trial
Depending on leg-strap or spring trusses—like shown below—is little less than slow suicide. They are almost sure to shorten your life. It's next to impossible to make them hold without hurting. They are simply a curse to wear.



Away With Leg-Strap and Spring Trusses

So far as we know, our guaranteed rupture holder is the only thing you can get on 60 days trial—the only thing we know of good enough to stand such a long and thorough test. It's the famous Cluette Automatic Massaging Truss—made on an absolutely new principle—has 18 patented features. Self-adjusting. Does away with the misery of wearing belts, leg-straps and springs. Guaranteed to hold at all times—including when you are working, taking a bath, etc. Has cured in case after case that seemed hopeless. Write for Free Book of Advice—Cloth-bound, 104 pages. Explains the dangers of operation. Shows just what's wrong with elastic and spring trusses, and why druggists should no more be allowed to fit trusses than to perform operations. Exposes the humbug—shows how old-fashioned worthless trusses are sold under false and misleading names. Tells all about the care and attention we give you. Enforcements from over 5000 people, including physicians. Write today—find out how you can prove every word we say by making a 60 day test without risking a penny.
Box 545—Cluette Co., 125 E. 23rd St., New York City

WHAT BREEDERS ARE DOING

FRANK HOWARD,
Manager Livestock Department.

FIELDMEN.

A. B. Hunter, S. W. Kansas and Oklahoma, 1124 So. Market St., Wichita, Kan.
J. W. Johnson, 820 Lincoln St., Topeka, Kan.
N. W. Kansas and S. Nebraska.
C. H. Walker, N. E. Kansas, N. Missouri, 3632 Flora Ave., Kansas City, Mo.
Geo. W. Berry, N. Nebraska and W. Iowa, Capper Bldg., Topeka, Kan.
H. W. Graham, E. Iowa and Illinois, Chillicothe, Mo.
E. R. Dorsey, S. E. Kansas and S. Missouri, 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.

Percheron Horses.

March 12th—L. H. Luckhardt, Manager, Tarkio, Missouri.
Mar. 13—C. W. Lamer, Salina, Kan.

Brood Mares, Work Horses and Mules.

Mar. 12—C. W. Lamer, Salina, Kan. (100 head.)

Jacks and Jennets.

Mar. 10—G. C. Roan, La Plata, Mo.

Poland China Hogs.

Apr. 3—Roy Johnston, South Mound, Kan.

Duroc-Jersey Hogs.

Mar. 10—Sam'l. Drybread, Elk City, Kan.
Mar. 11—W. W. Otey & Sons, Winfield, Kan.
Mar. 15—W. C. Whitney, Agra, Kan.

Shorthorns.

Mar. 14—C. G. Cochran & Sons, Plainville, Kan., at Lamer's sale barn, Salina, Kan.

Holstein Cattle.

March 15—Springdale Stock Farm, Concordia, Kans. Fairbury, Nebr., Phil Dawson and Col. C. W. Smith, Sale Managers.

Aberdeen Angus Cattle.

April 29—Omaha, Neb., Am. Aberdeen Angus Assn., Chas. Grey, Manager, 817 Exchange Ave., Chicago, Ill.
May 1—Chicago, Ill., Am. Aberdeen Angus Assn., Chas. Grey, Manager, 817 Exchange Ave., Chicago, Ill.
May 2—East St. Louis, Ill., Am. Aberdeen Angus Assn., Chas. Grey, Manager, 817 Exchange Ave., Chicago, Ill.

Shires For Export.

"Mr. George Tansley has sold to Trumans' Pioneer Stud Farm, Bushnell, Ill., his 5-year-old iron grey stallion, 'Thunderer Boy,' No. 29956 in stud book. This horse bred by the seller has proved himself an excellent sire, having some 25 colts and fillies now on the farm. His sire is that well-known horse, 'College Thumper' (25087), sold to the Hungarian government for a long price, and his dam is 'Cheerly' by 'Royal Lincoln' (6343). 'Thunderer Boy' has the old 'Thumper' blood, from which horse the stud book has so many distinguished winners recorded. He has excellent conformation, stands erect on the best of feet and joints, 17-h h., with grand movement. Mr. Joel Wilson also sold his beautiful mare, 'Strawberry Queen' for show purposes to the same firm. She, too, is by 'College Thumper,' and is correct in movement, and having the best legs and feet possible. This mare has very peculiar yet attractive markings, and will be hard to beat in the show ring. The manager, Mr. J. G. Truman, of the Pioneer Stud Farm, was very eager to buy when over here last summer, but Mr. Tansley would not sell then."

From the Isle of Ely & Wisbech, England Advertiser, Wednesday, Feb. 12, 1913.

Kansas and Oklahoma.

BY A. B. HUNTER.

C. F. Cooper, Nickerson, Kan., is making close prices on Percheron stallions and jacks. Mr. Cooper has been located at Hutchinson, Kansas, this winter and will be pleased to have you call and examine his horses and jacks. You can write him at either Hutchinson or Nickerson, Kan. In calling or writing, please mention Farmers Mail and Breeze.

Lookabaugh Sells Shorthorns.

Don't fail to read the Shorthorn cattle advertisement of H. C. Lookabaugh, Watonga, Okla. Mr. Lookabaugh has a large herd of Shorthorns and is making prices on breeding stock that are moving them. If you want one or a dozen head don't fail to get in touch with him. His advertisement on another page will convince you of what bargains he has to offer. Read it and write today describing what you want. Please mention Farmers Mail and Breeze.

Richly Bred Jerseys.

R. J. Linscott of Holton, Kan., offers some rare attractions in richly bred Jer-

seys. This is one of the oldest and most carefully bred herds and the only registered herd of merit in the state. The herd has a splendid milk producing record and the sires represented have made history for this breed. Mr. Linscott can spare both females and bulls from record making dams that will please old and new customers. Write or call on R. J. Linscott, Holton, Kan., for high class registered Jerseys.

Hampshire Swine.

Alvin Long, Lyons, Kan., writes: "I have sold all the breeding stock I can spare. I am keeping a nice lot of first class bred sows and gilts and hope to come nearer supplying the demand another year. I have booked several orders for weanling pigs to be shipped in May and June. It seems that the Hampshire hog is being recognized all over the country for prolificness, and for its many other good qualities. The bacon hog is surely coming in for its share of honors along with the lard types."

Little River Stock Farm Sale.

The first annual horse sale from Little River Stock Farm, Halstead, Kan., was held Monday, February 24th. C. B. Warrentin, proprietor of the farm, expressed himself as satisfied with the result of this, the first sale. It was a combination sale and included a number of standard and high grade road horses, which seemed to be rather slow sale. The Percherons, especially those that were purebred, went at better prices. From now on each annual sale will consist of nothing except purebred draft horses.

Herefords Sell Well.

On February 18 and 19, Hopper & Bowman of Ness City, Kan., sold 103 head of Hereford cattle at an average of \$106. The offering included 75 cows and heifers and 28 bulls. The highest price paid was \$180 and the lowest price \$72.50. The cattle were only in breeding flesh, not having been fed at all on grain but taken out of the pasture where they had been fed roughness. Messrs. Hopper & Bowman have one of the largest herds of white faces in the state. They expect to make annual sales a feature of their business. They express themselves as being very well satisfied with this their first experience in public auction.

Olivier's Poland China Sale.

Olivier & Sons, Danville, Kans., sold Friday, Feb. 28, 50 head of Poland China bred sows and gilts and five young boars, at an average of \$32.45. It stormed all day and interfered with the attendance of local buyers. The top of the sale was No. 27, sold to G. A. Mortz, Danville, Kans., for \$71.00. Following is a representative list of sales:

1—Chas. Colpey, Danville, Kan.	\$65.00
2—J. D. Graves, Danville, Kan.	45.00
3—G. A. Olivier, Danville, Kan.	39.00
4—John Eland, Argonia, Kan.	21.00
5—J. Williams, Wellington, Kan.	35.00
6—U. Kenna, Lawndale, Okla.	37.00
7—J. G. Myer, Harper, Kan.	40.00
8—Lee Morris, Wellington, Kan.	50.00
9—E. Knox, South Haven, Kan.	44.00
10—J. C. Dumrick, Hazelton, Kan.	25.00
11—Frank Lott, Danville, Kan.	22.00
12—M. Howell, Danville, Kan.	22.00
13—J. A. Simpson, Danville, Kan.	37.00
14—John Flick, Danville, Kan.	39.00
15—L. P. Smith, Danville, Kan.	30.00
16—G. A. Mortz, Danville, Kan.	71.00
17—Henry Borges, Danville, Kan.	28.00
18—L. F. Wood, Belle Plaine, Kan.	24.00
19—J. C. Schwyhart, Belle Plaine, Kan.	39.00

A Great Kansas Jack Sale.

D. J. Hutchins, Sterling, Kan., and H. T. Hineman & Sons, Dighton, Kan., held their first annual jack sale at Sterling, Kan., Tuesday, February 25. It was the greatest sale of jacks ever held in Kansas. A large part of the offering were young jacks not ready for service. More jacks of mature age would have readily sold to the buyers who were present from Kansas and adjoining states. It was a jack buying crowd but the jennets were slow sale. Twenty-three jacks sold for \$14,890. Average \$647.40. Eleven jennets sold for \$997.50. Average \$90.70. The following is a list of jack sales:

1—B. L. Turner, Frederick, Kan.	\$1,180.00
2—J. U. McCoy, Alamota, Kan.	1,080.00
3—R. H. Lamb, Pawnee Rock, Kan.	1,020.00
4—J. C. Dean, Butler, Okla.	1,025.00
5—A. T. Quigford, Bluff City, Kan.	1,005.00
6—T. C. Langford, Alamota, Kan.	1,000.00
7—B. H. Linville, Wiley, Colo.	600.00
8—G. W. Kirby, Bentley, Kan.	220.00
9—H. F. Fornwalt, Penola, Kan.	900.00
10—H. L. Lalmon, Fowler, Kan.	805.00
11—H. S. Guthridge, Kingman, Kan.	280.00
12—J. C. Windmill, Offerle, Kan.	800.00
13—J. S. Humphrey, Pratt, Kan.	400.00
14—H. A. Hutchins, Lyons, Kan.	240.00
15—J. G. Clark, Fowler, Kan.	565.00
16—E. G. Akers, Conway, Kan.	350.00
17—G. W. Cook, Putnam, Okla.	425.00
18—H. A. Hutchins, Lyons, Kan.	225.00
19—T. E. Cavanaugh, Spearville, Kan.	805.00
20—M. E. Richardson, Sterling, Kan.	600.00
21—M. Blerton, Pratt, Kan.	580.00
22—A. E. Rowland, Hutchinson, Kan.	560.00

Good Enough Again King Sow Sale.

W. W. Otey & Sons of Winfield, Kan., will sell 35 head of Duroc-Jersey sows and gilts on Tuesday, March 11. Most of these sows are bred to Good Enough Again King. There is probably not a better bred boar living. In tracing his pedigree we find such noted sires as Ohio Chief, Top Notcher, Good Enough, Walt's Colonel, Carl's Colonel, Prince of Colonels, High Chief and many others of equal note. The maternal side of the pedigree is not less noted for its richness in prize winning blood. Any of our readers interested in Duroc-Jersey

breeding stock will do well to keep this date in mind and arrange to attend the sale.

Kansas and Nebraska.

BY J. W. JOHNSON.

We desire to call attention to the advertisement of O. L. Thiesler, Chapman, Kan., who is advertising 10 head of young registered stallions. Also some standard bred stallions and three young Mammoth jacks. Mr. Thiesler is one of the oldest breeders of stallions and jacks in central Kansas and is well known as reliable and responsible in every way. If you are interested you better write him for further information.

Lamer's Percheron Sale.

This is the last call for C. W. Lamer's big sale of 44 registered Percheron stallions and mares at his big sale barn in Salina, Kan., Thursday, March 13. The offering consists of imported and home grown stallions and mares. There will be 12 three-year-old imported stallions weighing from 1900 to 2100 pounds and eight stallions (home bred) from one to five-years old. Also 30 mares and fillies. It will be the last big Percheron sale to be held in Kansas this season and should be well attended. Catalogues are ready and you can have one by return mail by addressing C. W. Lamer, Salina, Kan.

C. G. Cochran & Sons, Plainville, Kan., sell 70 registered Shorthorn cattle at the same place the day following which will be the 14th. Mr. Lamer will sell 100 work horses and mules at the same place on the 15th which is the day before his big registered Percheron sale. Attend these three big sales. Address C. W. Lamer for information and catalogue of registered Percherons.

North-Robinson Co. Sale.

March 20 and 21 are the dates of North & Robinson Co. big Percheron, Belgian and Shire stallion and mare sales. It will be held in Grand Island, Nebr., which is the home of this well known firm of importers and breeders of draft horses. When we visited their barns last week we were shown this string of stallions and mares that go in this sale. It is the strongest kind of an offering with loads of quality. The offering is one of real merit and anyone looking for a matured stallion of the very best of breeding, conformation and with the best of bone—should not miss this sale. If you are looking for registered mares you can't beat this offering in the United States. It is an offering of draft horses seldom equaled in a sale ring. It will be a rare opportunity to buy stallions good enough to head any herd, or mares that will prove the best you ever saw in a sale ring. Remember the date and ask this firm for their catalog right now. See their display advertisement in the next issue of Farmers Mail and Breeze.

Last Call Cochran's Sale.

In this issue will be found the half page advertisement of the big draft sale of Shorthorn cattle that will be made by C. G. Cochran & Son, Plainville, Kan., next Friday. This is a draft of 70 head from their big western herd of over 500 head. It is one of the best offerings ever made in central Kansas and should attract the attention of every lover of good Shorthorns in the west. A choice lot of young bulls will be sold ranging in ages from eight to 15 months' old. The breeding is choice Scotch and Bates breeding and represents leading Shorthorn families. This firm has always enjoyed a splendid trade and are making this sale in Salina to better accommodate breeders and those interested because of the better railroad facilities. The sale will be held in Lamer's big sale barn and is the day after Lamer's big registered Percheron horse sale. The catalogues are ready and you can have one by return mail by addressing C. G. Cochran & Sons, Plainville, Kan. Mention Farmers Mail and Breeze when asking for one as they like to know where you saw their ad.

Geo. W. Schwab's Sale.

Although the day was a little cold and disagreeable a good crowd of breeders and farmers were present at Geo. W. Schwab's sale, Clay Center, Neb. Prices were fair, making an average of \$48.10 on the catalogued stuff. Everything was in good shape and well worth the money. Below is a representative list of the buyers.

1—Geo. Briggs & Son, Clay Center, Neb.	\$67.50
2—M. F. Mayme, Bladen, Neb.	75.00
3—E. W. Bilbaugh, Friend, Neb.	55.00
4—Edd Kessler, Clay Center, Neb.	64.00
5—E. M. Myers, Burr Oak, Kan.	44.00
6—W. M. Slenbreigh, Paxton, Neb.	45.00
7—L. L. Weller, Olathe, Kan.	50.00
8—C. H. Kirkpatrick, Parma, Idaho.	42.50
9—Chas. Hoban, Hardwell, Neb.	45.00
10—Jacob Larson, Ethan, S. D.	50.00
11—C. Hansen, Clay Center, Neb.	40.00
12—J. R. McClanahan, Clay Center, Neb.	50.00
13—Dana Shuck, Burr Oak, Kan.	35.00
14—D. D. Rowland, Minatare, Neb.	35.00
15—Henry Steffensen, Friend, Neb.	75.00
16—Ed Schwab, Clay Center, Neb.	47.00
17—H. B. Miner, Guide Rock, Neb.	47.50
18—Geo. A. Woods, Clay Center, Neb.	49.00
19—R. W. Balke, Juniata, Neb.	45.00
20—Ed Baxter, Pawnee, Ill.	39.00

Holsteins for Sale.

In this issue will be found the advertisement of M. P. Knudsen, Concordia, Kan., in which he is offering for sale 50 head of registered Holstein heifers and bulls ready for service. Also 93 head of choice young grade cows and heifers, either milking now or coming fresh soon. All of this stock has been officially tested by the Kansas Agricultural college and is guaranteed healthy. Mr. Knudsen is a very careful buyer in the East where he buys whole herds only after a very careful and painstaking investigation. He is a dairy cattle expert and knows the business from the bottom up from real experience as a breeder of dairy cattle and because of his extensive operations in the butter making business. He believes in the Holstein and can tell you why. He knows all sides of the business and you better get in touch with him if you are interested. He is in touch with eastern dairy centers and is in

a position to buy cheaper than anyone not familiar with the business. He is extensively interested in the dairy and butter making business and is in a position to help you if you are thinking of buying dairy cattle.—J. W. J.

Ingram-Holmes Poland Sale.

The C. C. Ingram sale of Poland China bred sows at Bloomington, Nebr., on the 22nd, was held under very unfavorable circumstances, because of the bad weather. This was Mr. Ingram's regular annual sale and his neighbor breeder, Mr. I. E. Holmes consigned a part of the offering. Mr. Ingram sold 20 head for an average of \$40.37 and Mr. Holmes sold 10 head for an average of \$37.30. Both consignments were good and would have sold for much better prices had the weather been more favorable. A. N. Waechter & Son, Riverton, Nebr., bought the top at \$70. She was number one. J. H. Hamilton & Son, Guide Rock, Nebr., were good buyers. One went to a Colorado breeder. Both breeders making the sale are well pleased with the prices received and feel that they were really good considering everything.

Kansas, Missouri and Iowa.

BY C. H. WALKER.

Scott's Jacks Are Right.

G. M. Scott, of Rea, Mo., one of the oldest jack men in the state has on hand this year the best lot of jacks he has ever offered. Buyers who want jacks that will make good can find them at Mr. Scott's barns. Write him or spend a day at his farm. It will pay the man who wants the best.

Denton Offers Angus Bulls.

W. G. Denton of Denton, Kansas who owns one of the very best Aberdeen Angus herds of the state has on hand now a few very top quality bulls of serviceable age, sired by the prize winning, Rutger Heatherson 3rd 118104 and Professor Kurts 185693, that should appeal to those in the market for herd heading material. These bulls include two choice bred Blackbirds and are priced right. Not only are they sired by good bulls but they are out of cows second to none. Write Mr. Denton per his card or this reader and kindly mention this paper.

Last Call Centralia Jack Sale.

Any one in the market for good jacks, jennets or stallions will find them in the Sappington & Brockman closing out sale to be held at Centralia, Mo., on Tuesday, March 18. For this sale these veteran breeders have listed 30 head of jacks and jennets and five stallions. The jacks are a choice lot ranging in ages from yearlings to seven years old and the jennets are all either safe in foal or will sell with jack colts at foot. The stallions include saddle and road horses and one or two top quality draft stallions. Write Messrs. Sappington & Brockman for their catalog and kindly mention this paper.

Deterling & Otto's Jacks.

One of the biggest jack and jennet firms that sell at private treaty is Deterling & Otto of Queen City, Mo. They always have in their barns the very cream of Jackdom. This season especially they are offering the trade a selected lot including their prize winners at the leading fairs of the country. In all ages they have the very best. It will pay the man who is contemplating buying a jack or jennet to get in touch with this firm and their stock. Write them for description and prices—or better, pay a visit to their establishment and see what they have. Visitors are always welcome and it is a trip worth taking.

Iowa and Nebraska.

GEO. W. BERRY.

Wilson's Last Importation.

A letter from A. Latimer Wilson of Creston, Iowa, says his last importation of stallions this season will leave Europe on March 6 and are due in his barns at Creston, Iowa, March 20.

D. & S. Poland Chinas Popular.

In a recent letter Mr. C. F. Dietrich of the firm of Dietrich & Spaulding of Richmond, Kan., says that they have just sold two gilts to go to Claremore, Okla., one to Ardmore, Okla., and one to St. George, Kan. This firm has recently bought in some of the largest noted sales and by way of comparison say that the gilts they got in these sales are not really so good as some they are offering. They call special attention to a gilt they are offering for sale at \$50. She will weigh from 300 to

Farmers Mail and Breeze Pays Advertisers.

Farmers Mail and Breeze, Topeka, Kan. Dear Sirs—I have not received bill yet for my sale ads but enclose check to cover same anyway. I had a great sale. My advertising as handled by Mr. C. H. Walker was first class and highly satisfactory. The special design he made and as used by you is certainly good. I think Mr. Walker and the Farmers Mail and Breeze both potent factors in making me this sale. Yours very truly,
H. B. WALTER,
Breeder of Poland Chinas.
Effingham, Kan., Feb. 18, 1913.

Farmers Mail and Breeze, Topeka, Kan. Gentlemen—We wish to say in behalf of your good paper that we had most pleasing results from this little ad, and that it has brought us more business than any other ad we have sent to any other paper. Yours very truly,
D. W. GRANT,
Real Estate Dealer.
Palacios, Tex., Feb. 11, 1913.

Every week for years Farmers Mail and Breeze has printed voluntary letters from its advertisers and different letters are printed every week.

325 and is of February 12 farrow. She is out of the sow that produced the good boars shown at American Royal and sold by Gold Mine. This gilt was bred December 17 to Wide Awake, whose dam was champion at Lincoln fair, 1911. Mr. Dietrich says this is one of the best things they have ever produced. That being the case she is worth twice the money asked for her. Any of our readers wanting some strictly high class Poland Chinas, at a reasonable price, will do well to write this firm about this gilt, and others they are offering.

Pfander's Polands Average \$11.73.

The sale of big type Poland Chinas held by J. W. Pfander & Sons at Clarinda, Iowa, on Feb. 26th, attracted buyers from nine states, ranging from Pennsylvania to Idaho and from Iowa to Texas. The Pfander Poland Chinas are noted for size, heavy bone and great feeding qualities. The sires and dams in this herd have brought fame to the big type herds of Iowa. The celebrated sire Long King was at the head of the herd for some time and left to his credit a long list of splendid matrons that are seldom equaled in size and breeding.

LIVESTOCK AUCTIONEERS.

Wm. H. Harper, LIVESTOCK AUCTIONEER, GLASCO, KANSAS. Phone for Dates.

JAS. W. SPARKS, Live Stock Auctioneer, MARSHALL, MO.

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.

L. R. BRADY, LIVESTOCK AUCTIONEER, Manhattan, Kan. Write or wire for dates.

COL. S. B. YOUNG, Osborne, Kan. Livestock Auctioneer. Write for dates.

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.

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, Kan. LIVESTOCK AUCTIONEER. Phone or write for dates. Bonney K. heads my Duroc-Jersey herd.

G. A. DRYBREAD, Elk City, Kans. Live stock and farm sales made anywhere. Give me a trial. Satisfaction guaranteed.

C. G. DENNEY GUIDE ROCK, Neb. Livestock Auctioneer. Pure bred stock sales and big farm sales. Write or phone.

SALE BILLS Printed on heavy paper 11x17 inches in 2 colors. Sent post paid \$2 per 100; 200 for \$3. Send 2c stamp for sample and particulars. C. S. DEMAREE, Printer, Dept. C, 619 Walnut, Kansas City, Mo.

W. B. Carpenter, Live Stock and Real Estate Auctioneer. Also President Missouri Auction School. 14th and Grand Ave., Kansas City, Mo.

John D. Snyder, HUTCHINSON, KANSAS LIVE STOCK AUCTIONEER. Wide acquaintance and practical knowledge of draft horses and pure bred live stock, all breeds.

FRANK J. ZAUN, FINE STOCK AUCTIONEER, INDEPENDENCE, MO. Bell Phone, 875 Ind. "GET ZAUN, HE KNOWS HOW!"

R. L. HARRIMAN, Live Stock Auctioneer, BUNCETON, MISSOURI

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.

MULE-FOOTED HOGS.

The coming hogs of America; hardy; resist disease; the best rusters known; pigs ten to sixteen weeks old, \$30 pair. Circular free. DR. W. J. CONNER, Labette, Kan.

POLAND CHINAS.

POLAND CHINAS Select young boars. Gilts, bred or open. Prices right. Call or Address H. L. BROOKS, LARNED, KANSAS

QUALITY and SIZE Big, Smooth Polands. Bred for sale. LAMBERT BROS., SMITH CENTER, KANSAS.

value. The successor to Long King is the junior yearling, King of Wonders, one of the greatest products of 1912 in Poland China breeding; sired by the widely known A Wonder and from Mammoth Giantess's Equal, a daughter of Long King's Equal. This superb young boar is one of the most promising sires now in service and the sows bred to him were among the sales attractions. The top price was \$330 paid by U. S. Byrne of Missouri for the yearling sow, Pawnee Belle, bred to A Wonder. The three-year-old sow, King's Jumbo III, bred to King of Wonders, sold to Archie Davis of Illinois for \$200. A summary of the sale shows 41 head sold for \$4598.50 making an average of \$110.73. Col. H. S. Duncan was the auctioneer. Names and addresses of buyers are listed: Archie Davis, Fremont, Ill.; U. S. Byrne, Saxton, Mo.; H. C. Sprague, Sabina, Ohio; John Kieley, Toledo, Ia.; Perry Pollard, Humboldt, Ia.; J. F. Foley, Oronoque, Kan.; Henry Fessenmeyer, Clarinda, Ia.; G. A. Kissinger, Milford, Neb.; Harry Nelson, Miami, Tex.; Geo. Griffin, Pleasanton, Ia.; C. E. Sapp, Sharpsburg, Ia.; T. E. Miller, Clarinda, Ia.; Ernest Beery, Shambaugh, Ia.; Wm. Carlin, Essex, Ia.; Everett Johnson, Clarinda, Ia.; H. F. Adams, Costello, Ill.; Tom O'Hara, Chicago, Ill.; Milton Parish, Eureka, Kan.; A. L. Bedell, Magnolia, Ia.; Ralph McCoy, Heppburn, Ia.; H. P. Main, Shippensburg, Pa.; M. C. Galloway, King Hill, Idaho; G. W. Seifert, Lucas, Ia.; O. E. Davis, Coburg, Ia.; John Doyle, Bloomington, Ohio; Howard Phillips, Carthage, Mo.; E. P. Byrnes, Edina, Mo.

McClarnon's Poland Average \$75.70.

The sale of Poland Chinas, by L. R. McClarnon of Braddyville, Iowa, was held under unusual appointments. A year ago Mr. McClarnon adopted the plan of holding his bred sow sale at night by gas light. The experiment proved successful and was repeated on Feb. 26th resulting in the disposal of 40 bred sows at an average of \$75.70. This event followed the auction of bred sows by Pfander & Sons at Clarinda, on the afternoon of the same date. In order to accommodate visiting breeders who wished to attend both sales Mr. McClarnon provided for a special train which left Clarinda and arrived at Braddyville in time to open his sale at 8:00 p. m. About 50 breeders came on this special train from Clarinda. The sale was held in a well arranged and comfortable tented pavilion. The offering of big type Poland Chinas on this occasion was one of the best individually and breeding that has passed through any sale ring during the winter. Mr. McClarnon has made a pronounced success with the cross between his herd boars Big Orange and Colossal. A group of gilts sired by Colossal and from a Big Orange dam which were exhibited in the sale ring were pronounced by competent judges who were present to be the correct type. Big number of yearling sows sired by Big Orange and Colossal were strictly high-class individuals of show-yard character and should be able to win in the strongest competition if properly handled. They were especially good in backs, spring of ribs, good middles and stood well on their feet. The top of the sale was \$117.50, for a fall yearling, sired by Colossal and bred to Big Orange, paid by J. A. Campbell. Col. H. S. Duncan conducted the sale. The names of the buyers follow: A. R. Sigler & Son, Pickrell, Neb.; Weaver Bros., West Point, Ind.; G. W. Seifert, Lucas, Ia.; G. W. Griffin, Pleasanton, Ia.; Andrew Anderson, Hastings, Ia.; W. A. Bosonell, Charles City, Ia.; T. E. Brown, Murphysburg, Tenn.; C. R. Miller, Atchison, Kans.; Gilbert Johnson, Osceola, Neb.; John Doyle, Bloomington, Ohio; Ernest Beery, Shambaugh, Ia.; Howard Phillips, Carthage, Mo.; Oscar Hansel, Eaglestone, Ill.; John Kieley, Toledo, Ia.; J. A. Campbell, Stockton, Mo.; C. E. Bethar, Shelbyville, Mo.; J. A. Milne, Forbes, Mo.; F. L. Fritz, Fontanelle, Ia.; S. Snell, Edina, Mo.; F. S. Brown, Shannon City, Ia.; Geo. Dingham, Bradford, Kans.; Robert I. Young, St. Joseph, Mo.; Jno. McCune, Cummings, Ia.; A. Anderson, Burbank, S. D.; A. B. Duncan, Shannon City, Ia.; A. B. Hickenlively, Cozad, Neb.; Wm. Corwin, Essex, Ia.; W. C. Socaridge, Fayette, Mo.; N. S. Buffon, Red Oak, Ia.; E. P. Byrnes, Edina, Mo.; J. R. Kennedy, Maitland, Mo.

Iowa and Illinois.

BY H. W. GRAHAM.

Owing to the big snow storm in Iowa and north Missouri, February 26 and 27, the Wm. T. Trotter, Jack sale which was advertised for February 27 at Mt. Airy, Iowa, has been postponed to Thursday, March 13. There were a number of buyers from nearby points in attendance, but telephone and other communications from those delayed in transit on account of the big snow storm caused the postponement. As a rule a postponed sale results disastrously to the owner but it is to be hoped this will not be the case with Mr. Trotter. The sale will include some as good jacks and jennets as will be found in this section of the country. They are largely of the Mammoth breeding from Missouri, Kentucky and Tennessee. The jacks are all tucky and service and those who consigned them to service are good performers. They possess quality, type and style, with plenty of bone. Jack men should keep this sale in mind, for bargains will be picked up here unless there is more competition than usually is seen at a postponed sale.

Angus Spring Bull Sales.

The American Aberdeen Angus Breeders' association is claiming the following dates for their annual spring bull sales: April 29, at Omaha, Neb.; May 1, at Chicago, Ill.; and May 2, at East St. Louis, Ill. About enough top notch entries from the best herds in the country have been received for the Omaha sale. A few more good entries are needed for the Chicago and St. Louis sales. Members of the association who are thinking of consigning bulls to any of the sales should advise Secretary Chas. Gray, at 817 Exchange avenue, Union Stock Yards, Chicago, Ill., at once. Last year many good entries were barred from sale, because application for space was made too late. The sales last year were very successful and those who consigned the bulls were well pleased with the prices obtained. The auction form of selling bulls under the auspices of the association has become very popular. The strong demand for bulls this season indicates that bulls will bring good prices at these sales. The business of the association so far this year shows an increase of 35 per cent and is steadily increasing. The increase is

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. **OLIVIER & SONS, DANVILLE, KANSAS.**

PUBLIC SALE of 40 high-class Poland China Sows to be held at Rich Hill, Mo., February 21st by **W. Z. BAKER. Send for Catalog.**

NEBRASKA TYPE. A fine lot of summer and fall pigs by Hyden's Big Badley 2nd, Pan Wonder and Neb. Chief. Bargains in the best. C. C. Ingram, Bloomington, Neb.

Fall and Summer Pigs For Sale. Sired by my Iowa boar. Extra good and out of my mature sows. Everything immune. Also Rhode Island Red cockerels for sale. **L. E. KLEIN, ZEANDALE, KANSAS.**

HARRY HOAK'S POLAND CHINAS A few large, Big Type boars, also some good sows and gilts bred for early litters. Fashionable Big Type breeding and priced right to buy. Call or write today! **HARRY HOAK, Attila, Kansas**

ALBRIGHT'S BRED SOWS AND GILTS 20 gilts bred to one of the good sons of Big Tom and Sensation; 8 tried sows bred to Cavett's Mastiff by King Mastiff. One extra good sow bred Oct. 16th. **A. L. ALBRIGHT, WATERVILLE, KAN.**

Big Boned Bred Sows March and February gilts sired by Gold Mine, bred to Fun Look and Wide Awake; also tried sows bred to Gold Mine 40 late summer and early fall pigs priced cheap. Dietrich & Spaulding, Richmond, Kt.

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, NEBRASKA**

Becker's Poland Chinas Sows and gilts—safe in pig to Hadley's Wonder, 62806. Also a few open gilts and fall boars. Price for quick sale. Satisfaction guaranteed. **J. H. BECKER, NEWTON, KANSAS.**

45 BRED SOWS AND GILTS Poland Chinas, in public sale, Thursday, April 3rd. Also a few choice fall boars in same sale or at private sale. Hogs of a higher order but priced within the reach of all. **ROY JOHNSTON, South Mound, Kansas**

Schneider's Poland Chinas Can furnish choice summer and fall pigs, pairs or trios, not skin, by Guy's Expansion and Gold dust Hadley. Also 10 head of yearling sows bred to these boars. **JOE SCHNEIDER, Nortonville, Kansas.**

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.**

Robinson's Mammoth Poland Chinas! My herd boars weigh from 800 to 1,025 lbs. Now have for sale, two good tried boars and a few extra good last fall pigs of both sexes. My terms are: If you are not satisfied return the hog and I return your money. **F. P. ROBINSON, Maryville, Mo.**

MEADOW BROOK BERKSHIRES AT BURLINGTON, KANS.

200 bred sows, all bred to Premier Longfellow, King's 2d Masterpiece, True Type, King's 4th Masterpiece, King's X Masterpiece (the greatest yearling we ever raised), Forrest Count, etc. One hundred open sows and twenty extra nice males. Two extra good herd boars for sale (every one deep in breeding and rich in blood). **E. D. KING, BURLINGTON, KANSAS.**

Registered GALLOWAY CATTLE

We Breed Market Toppers." **JAS. & W. R. CLELLAND, New Hampton, Mo.**

W.C. Whitney's Sale of Duroc-Jersey Bred Sows

At his farm joining Agra, Kansas, Saturday, March 15

40 HEAD: 16 Tried Sows, 12 Fall Yearling Gilts and 16 Spring Gilts

Everything bred for last of March and April farrow. The 16 tried sows are coming 2 and 3 years old and in their very prime of usefulness. They were sired by Agra Topnotcher, King of Kant Be Beat and 1 Am A Bonney K. The fall gilts are by Belle's Prince Wonder and Buddy's Red Col. The spring gilts by Belle's Prince Wonder. Everything is bred to the best advantage to The Ruler and Buddy's Red Col. Everything in the best of breeding condition and showing up well sale day. Write for Catalog and arrange to attend. Address

W.C. Whitney, Agra, Kansas

Auctioneers—John Brennen, N. B. Price, Mr. Ewing. J. W. Johnson, Fieldman. Note—Agra is on the main line Rock Island west of Smith Center. Best of train service. Take the "Jersey" at Belleville morning of the sale.

POLAND CHINAS.

BIG TYPE POLANDS Summer and fall pigs both sex, strong in the blood of Big Hadley and A Wonder. Sows and gilts, the big, smooth kind, bred for early litters. Description guaranteed. Call or write A. R. ENOS, Ramona, Kas.

Dean's Mastodon Polands

Poland China hogs, the big-boned type, will weigh when mature, 800 to 1,000 lbs. Will sell a few boars of serviceable age, also choice brood sows and early bred to my herd boars for spring farrow. All **Immunized by Double Treatment** Herd headed by Mastodon Price, Columbia Wonder and Gritter's Longfellow 3d. Everything guaranteed and sold worth the money. Address: **CLARENCE DEAN, WESTON, MISSOURI**

BROOD SOWS For Sale

Ten tried brood sows, ten fall gilts and ten early spring gilts all safe in pig to Forrest Wonder and Long King. Big Poland Chinas at reasonable prices. Will not hold a winter brood sow sale. These are priced to sell. Our herd boars are Designer, Good Medal and Major Look. **C. S. NEVIUS, CHILES, KANSAS.**

POLAND CHINAS!

Bred sows at private sale. Also fall and spring boars. Sows bred to Tom Lipton, Welcomer, Iron Clad 2d and others. Priced right. Ask for prices and descriptions. **JOSEPH M. BAIR, ELMO, KANSAS.**

A.D. JONES, OF DUNLAP, IOWA

has for sale sows and gilts bred to 1,000 lb. boars, and 600 and 800 pound dams. To farrow in March, April, May and June. Strictly Big Type Poland Chinas. I breed for length, bone and quick maturity. Send for price and description.

DUROC-JERSEYS.

A Fine Offering Bred Sows and Gilts Also open gilts and summer pigs. Best of breeding. **R. C. WATSON, ALTOONA, KANSAS.**

Pleasant View Durocs. Bred sows at private sale. Spring gilts, fall yearlings and tried sows. All immune. Write for prices. **T. F. TEAGARDEN, Wayne, Kas.**

BIG TYPE DUROCS All kinds for sale. Our customers must be satisfied. We have what you want. Write us. Fall sale Oct 17 **MOSER & FITZWATER, Goff, Kansas.**

GOOD E. NUFF AGAIN KING 35203 CRIMSON WONDER IV. 43655

The two great boars of the west head our herd. Sale 35 head March 11. Send for Catalog. **W. W. OTEY & SONS, WINFIELD, KAN.**

Bonnie View Farm

Duroc-Jerseys: Extra fall pigs. **Plymouth Rocks:** Eggs in season. **Searle & Cottle, Berryton, Kas.**

DUROC-JERSEYS.

BRED GILTS I have an exceptionally fine lot of Duroc gilts bred to my prize winning boars for sale. Also a few top summer boars. Write for prices and description.
CHAS. L. TAYLOR, Olean, Mo.

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.

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. Clasen, Union City, Okla.

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.

HILSIDE DUROCS

Select young boars and fall gilts. A few good yearlings, sows and gilts, bred or open. Priced for quick sale.
W. A. WOOD & SON, Elmdale, Kansas.

TATARRAX HERD DUROCS

The finest lot of Fall pigs we ever offered, either sex. Most of them by the Grand Champion Tatarax. Bred sows and gilts priced for quick sale.
HAMMOND & BUSKIRK, Newton, Kansas

College Hill Durocs

Bred sows and gilts for spring farrow for sale. Popular breeding. Farm adjoins agricultural college. Prices right.
W. W. BALES & SONS, MANHATTAN, KAN.

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.

Leon Carter, Asherville, Kan.

Duroc-Jerseys. Oldest herd in Mitchell county. Plenty of new breeding in my bred sow sale Thursday, Jan. 30. 45 head. Write for catalog.

BEAVER VALLEY HERD DUROCS

Sept. and Oct. boars and gilts bred by Grand Master Col. 2nd No. 9303; Grand Champion of Oklahoma, both 1911 and 1912; Defender's Col. by Defender and Select Col. by Chief Se set, the great show and breeding boar. Satisfaction guaranteed.
W. A. WILLIAMS, Marlow, Okla.

30 HEAD of Duroc-Jersey fall

pigs of "Kant be Beat", "Crimson Wonder" and Col. breeding. Registered. Priced reasonable and delivered your station. Either sex.
ARTHUR A. PATTERSON, Ellsworth, Kan.

Bancroft's Durocs

We hold no public sales. Nothing but the best offered as breeding stock. Tried sows and fall yearlings bred. Spring gilts bred or open. Fall pigs, either sex. Pairs or trios not akin. Prices right. Customers in 6 states satisfied. Describe what you want. We have it.
D. O. BANCROFT, OSBORNE, KANSAS.

BERKSHIRES.

Hazlewood's Berkshires!

Choice spring boars and gilts priced to sell. Write today.
W. O. Hazlewood, R. 8, Wichita, Kansas

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.

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, Berryton Duke and Premier Longfellow.
Also a choice Shorthorn bull calf by Silk Goods and out of a show cow.

W. J. GRIST, :: OZAWKIE, KANSAS

THE Walnut Berkshire Farm

Where prize winners are bred, developed and sold at reasonable prices.

LOOK! LISTEN! Now booking orders for March and April pigs, \$15.00 each in pairs or trios.

BRED GILTS

I have 30 very choice gilts weighing from 200 to 300 lbs., bred for March, April and May farrow. These are high class Robinhood bred gilts and bred to either Rival's Crusader or Legal's Rival. Priced from \$40 to \$60 each. Priced for immediate sale. A splendid grandson of Masterpiece, weighs about 300 lbs., very gentle and a guaranteed breeder; a first class sire. Priced, if taken soon, \$75.00. Special attention always given mail orders and perfect satisfaction guaranteed. Visitors always welcome.

Leon A. Walte, Winfield, Kansas

chiefly from registration fees, and new members being enrolled. Breeders from every part of the country report that the bull trade is exceptionally good. Breeders seem more jubilant over the outlook than has been in evidence for 10 years. Every breeder who has animals to record should give the same attention at once, so he can take care of his spring trade. Secretary Gray is very much encouraged over the outlook and says he thinks the three sales will show a greater interest in this breed than for many years. He is receiving many inquiries concerning these sales from buyers over the country. If you have not listed your surplus bulls with him for these sales, do so at once. Watch this paper for announcement of these sales.

Col. Miller and His Good Jacks.

Our readers will be interested in the new illustrated booklet just issued by Col. Scott Miller and descriptive of his Oakland Stock Farm, Chillicothe, Mo. The illustration herewith is one appearing on the first page. It shows the colonel and a very affectionate yearling. It is a mutual love affair, both think a great deal of one another. This



is the secret of Col. Miller's success in the Percheron horse and jack business—he loves the business and gives it his brain work. He has in a few years established one of the best breeding farms in north Missouri. He has done it by scientific methods in every department and starting with as good blood as could be purchased for a foundation. The booklet tells the story of the success he has made. It is a beautiful piece of printer's art and should be in every live horse and mule man's office, library or table. It may be had for the asking. Remember too that Oakland Stock Farm is now offering some very choice Jacks for sale. Write concerning them. He will be pleased to furnish all desired information and he would be delighted if you would call at the farm or at his office, in Chillicothe, Mo.

Kansas and Missouri

BY ED. R. DORSEY.

G. A. Laud & Sons of Rose, Kan., have been breeding the modern Shorthorns for six years. At the head of this herd is Lord Mayor 3d 249943 and Hampton Primrose 372452. Lord Mayor 3d is by Lord Mayor out of Forest Daisy (full sister to dam of New Year's Delight, International champion and granddam of 1911). Hampton Primrose is by Hampton Spray, out of Primrose 6th by the \$1,850 imported Ingleswood; granddam imported Primrose 4th, by Scottish Archer. They have about 50 head in the herd. As Mr. Laud says, "not the kind your mother knew, but the kind that is demanded by present conditions—thick, smooth, even, with good size, constitution and fleshing quality." Write him for further information.

Drybread's Model Top Sale.

Since brood sows, and especially Duroc-Jerseys, are so much in demand it would be well for all lovers of this breed to arrange to attend Samuel Drybread's sale, on the Star Breeding Farm, near Elk City, Kan., March 10. A sow from this noted breeding farm certainly brings prestige as Mr. Drybread is known just as far as the breed is known and of course helps the reputation of any hog bought from one so popular with the breeders. Thousands of dollars worth of Duroc hogs and Hereford cattle are sold from the Star Breeding Farm each season and this work has been going on for many years. Now is the time and the only opportunity one will have to buy a sow bred to the greatest breeding sire in Kansas, Model Top. We understand he will leave Kansas for the East in April and when he goes one of the greatest Duroc sires in all the land leaves Kansas. Mr. Drybread sells his hogs, no trading nor put up jobs, in his business. This is the last Duroc sale of the season and the only opportunity one will have to get a sow in pig to Model Top. Arrange to attend the sale or send your buying orders to Ed R. Dorsey of this paper.

Estates in Probate Taxable

Are estates, which were in probate court when the inheritance tax law was repealed, subject to an inheritance tax?—W. L. M., Anson, Kan.

They are. The repeal of the law will have no retroactive effect.

I find the Mail and Breeze one of the best farm papers I receive and I don't subscribe for any but good papers. —John T. Curry, R. 1, Pleasant View Farm, Winchester, Kan.

HAMPSHIRE.

WRITE J. F. PRICE,
Medora, Kans.

For prices on Pedigreed Hampshire Hogs

PURE BRED HAMPSHIRE

Breeding stock all sold. Booking orders for spring pigs.
ALVIN LONG, Lyons, Kansas

Try The White Belts

Special prices on boars; also bred sows and gilts for sale. Address
T. W. Lavelock, Princeton, Kas.

Pedigreed Hampshires

of various ages, not a kin. Four boars, 8 months old.
C. E. LOWRY, Sumner County, OXFORD, KANSAS.

O. I. C. SWINE.

BOOKIN'S O. I. C. HOGS. Booking orders for spring pigs by five different boars, out of sows not akin. Priced to sell.
F. C. GOOKIN, RUSSELL, KANSAS.

CHESTER WHITE HOGS

Good quality, either sex, the short nose kind. Write for prices.
FRANK PROCHASKA, Glasco, Kan.

STAR HERD O. I. C's.

Breeding stock of various ages, either sex. Best breeding r., sented in this herd. Write your wants.
ANDREW KOSAR, GLASCO, KANSAS.

O. I. C. 125 HEAD

HOGS Pigs in pairs, Bred Sows and Service Boars
W. H. Lynch, Reading, Kansas.

Neel's Cholera Immune O. I. C's.

Pure bred seeds and S. C. R. I. Reds. Hogs all ages for sale reasonable prices. Special on sows and gilts bred for spring farrow. Have choice lot Red's Yellow Dent, Boon Co. White and Cartner's seed corn at \$2.00 per bu. shelled and \$3.00 in ear. Recleaned Texas Red Rust Proof seed oats and seed rye. Some fancy S. C. R. I. Red cockerels at \$1.00 and \$2.00 each. Eggs for setting \$1.00 per 15, \$4.00 per 100.
Riverside Farms, J. H. NEEF, Boonville, Mo.

ABERDEEN-ANGUS.

ANGUS CATTLE

Bulls and females for sale; singly or in carload lots. Address **SUTTON & PORTEOUS** Lawrence, Kan.

RIDGE PRAIRIE ABERDEEN ANGUS

Rutger Heatherson 3d 118104, a choicely bred Heatherson, in service. The best families represented. A few choice cows, bred, and open heifers for sale. Prices right, satisfaction guaranteed.
W. G. DENTON, DENTON, 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 18221. Cows large, plenty quality, represent best milking families. Also large type **POLAND CHINAS.** Pigs. Write or come.
CHAS. MORRISON & SON, Phillipsburg, Kan.

POLLED DURHAMS.

Polled Durham Bulls

Six well bred young bulls and a limited number of cows and heifers for sale.
C. M. HOWARD, HAMMOND, KANSAS.

Prize Winning Polled

Durhams

One yearling bull and several bull calves sired by Roan Choice (Jr. Champion of 1911), also a few young cows and heifers. All from the greatest show and prize winning herd in Kansas or the West.
C. J. WOODS, CHILES, 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 Tops. 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

DAIRY CATTLE.

HOLSTEINS FOR SALE 50 head registered bulls. 98 head milking and coming fresh grade heifers and cows.
M. P. 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.

OAK HILL HOLSTEINS

Bulls ready for spring service by Shadybrook Gerben Sir Korndyke out of A. R. O. dams. Heifers bred. Also a few fresh cows. All tuberculin tested.
BEN SCHNEIDER, NORTONVILLE, KAN.

HOLSTEINS —CHOICE

BULL CALVES
H. B. COWLES, TOPEKA, KANSAS.

LINSCOTT JERSEYS

Only officially tested herd in Kansas. FOR SALE: A two-year-old Eminent bull, \$125. A two-year-old bred heifer \$125, cows \$150.
E. J. LINSKOTT, HOLTON, KANSAS

Holsteins For Sale

High grade cows and heifers. About 40 head. Heavy springers from two to five years old. 15 head coming two years old. Two fresh this spring and summer. All bred to registered bulls. Also bulls, high grade and registered. From 4 to 12 months of age. These are all highly bred dairy cattle and fine young stuff.
IRA ROMIG, Station B, TOPEKA, KAN.

HEREFORDS.

Klaus Bros.' Herefords!

We offer 16 head of strong, rugged bulls, herd header material, ready for service, sired by Fuller 3rd, Fuller 25th and Beau Onward. Priced right and worth the money.
KLAUS BROS., BENDENA, KANSAS.

Mathews Herefords

We are offering 20 registered heifers about 11 months old. **ANXIETY** 4th blood predominates.
FRED MATHEWS & SONS, Kinsley, Kan.

Star Breeding Farm

HEREFORDS Headed by Tophon 4th. 30 Bulls, 14 to 30 mos. Single or carloads. Can spare a few females in lots to suit buyer.

DUROCS Of most fashionable breeding headed by Model Top 77405. Choice individuals of both sexes for sale at all times.

Sam'l Drybread, Elk City, Kansas

Blue Valley Breeding Farm

Herd of Herefords established 20 years ago. 175 head at present. 24 bulls for sale, from 9 to 15 months. Guaranteed and priced low, delivered at your station. Registered Poland Chinas. Fall boars for sale. **BARRED ROCKS**—Eggs for sale in season.

Fred Cottrell, Irving, Kan.

Modern Herefords

ROBT. H. HAZLETT

Hazford Place
Eldorado, Kansas

GALLOWAYS.

G. E. CLARK, W. W. DUNHAM,
CAPITAL VIEW GALLOWAYS.

12 Miles West of Topeka. Can furnish car of good 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 20 RED POLLS. 10 to 20 months old. Priced to sell.
E. E. FRIZELL, LARNED, KANSAS

JACKS AND JENNETS.

Jacks and Jennets

One of the largest selections of large Black Mammoth Jacks in the West. 35 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.
AL. E. SMITH, LAWRENCE, KANSAS.

Jacks and Saddlers

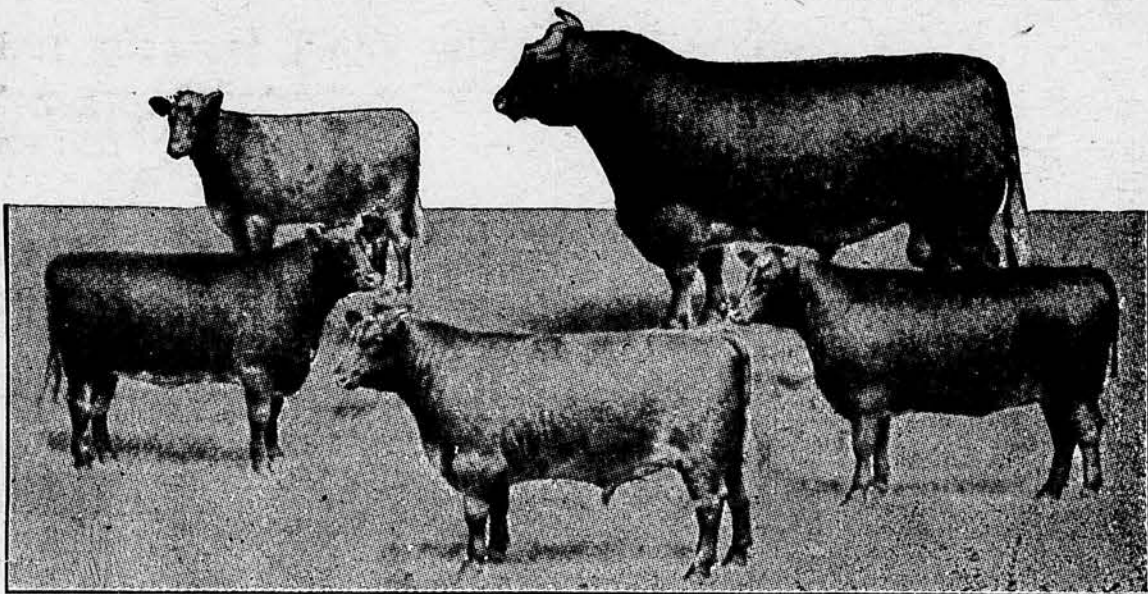
45 of the biggest bone and best Mammoth Jacks in Kentucky. Saddle stallions, mares, colts and fillies. Write for catalog and visit the Cloverdale Farm. **H. T. BROWN & CO., Lexington, Ky.**

Jack Sale Postponed

On Account of Storm Feb. 27
To MARCH 13, 1913
Rain or Shine.
15 Mammoth Jacks, 15 Choice Jennets, at Public Auction.
WM. TROTTER, Mt. Airy, Iowa

C. G. Cochran & Sons'

Big Draft Sale of Shorthorn Cattle



In Lamer's Sale Pavilion
Salina, Kan.,
Friday, March 14

This is their first sale and is a select draft from their big Western herd of over 500 head. The foundation and the additions to this herd have been tops from big dispersions of famous herds of several states. It is one of the strongest herds in the West and the best of Scotch and Bates breeding predominate in the herd. This firm has always enjoyed a strong demand for their Shorthorns and this sale of carefully selected cattle is being made at Salina to better

accommodate breeders and those interested because of the better railroad facilities. There will be some very choice young bulls, ranging from 8 to 15 months old. The cows and heifers are a choice lot and bred to splendid bulls and will drop calves this spring. A few will have calves at foot. It is your chance to buy at the fountainhead and at your price. Write for Catalog. Address

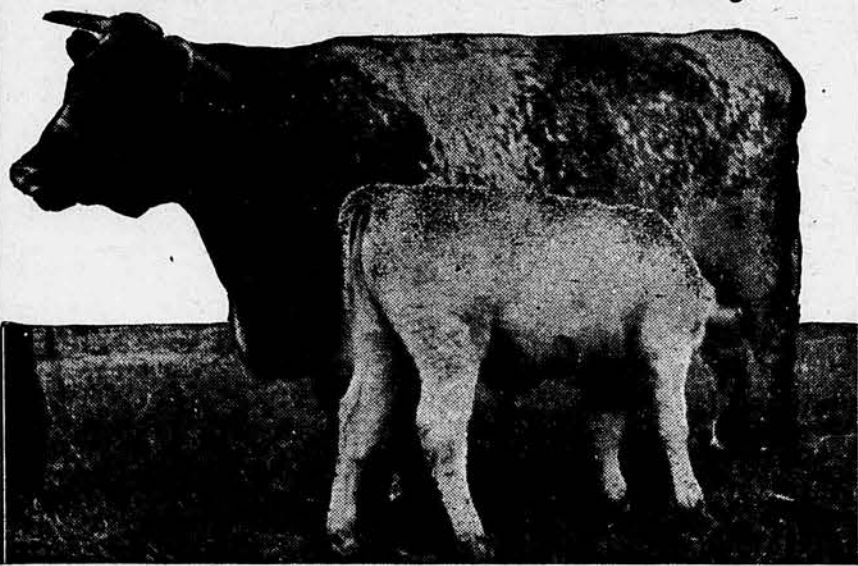
C. W. Lamer will sell 44 Registered Percheron stallions and mares at the same place the day before this sale. Attend both sales.

C. G. COCHRAN & SONS, Plainville, Kansas
Auctioneers: 'Cary M. Jones, C. W. Curphey, J. W. Travis, L. S. Ruggles

J. W. Johnson, Fieldman

Lookabaugh's SHORTHORNS

Sold on Time at Private Treaty



On six or nine months' time. Yes, the early bird catches the worm. I mean it. If you can make a good note, write. I want to do an honest business with honest people. I want to scatter pure Scotch Shorthorns of the best breeding to be found in the Shorthorn herd books all over Oklahoma, and we have been doing it, too. Our sales for one week, the last week in January, 1913, were \$2655.00. I have just got started. I want you to realize that I am chuck full of business. I don't need the money. I have Shorthorns of all ages, priced from \$50 apiece up to \$500 and \$1,000. They are cheap at our prices. Why? Because the purchasers say so, by buying. Not one man has come this fall that did not buy. I want to please you. Give me a chance. A satisfied customer is a pleasure and a living advertisement. I cannot afford to treat you wrong. I am anxious for each little herd that I sell to make good. Why? Because I want to build my business on a solid foundation. That's why! Let me help you select a few to start with. They make money while you sleep and in five years, if you sleep that long, you will be awakened by the cry of "high-priced livestock." Big boned Poland China hogs and home-grown alfalfa seed in any quantities up to one carload. Mail orders guaranteed to suit, or animal may be returned if cared for properly and money will be refunded. Visitors always welcome at Pleasant Valley Stock Farm. Write your wants today. Address

H. C. LOOKABAUGH, Watonga, Okla.

Lamer's Percheron Sale

Thursday, March 13

50—Mares and Stallions—50

Consisting of

12 Stallions, 3 yrs. old, (Imported) weighing from 1900 to 2100 pounds.

8 Stallions, 1 to 5 yrs. old (Home-Bred).

30 Mares and Fillies. ONE Jack.

The Horses in the above consignment were all carefully selected and bought by me and I can assure you that no prospective purchaser will be disappointed if he attends this Sale.

My Stallions weigh from 1500 to 2100 pounds; Mares weigh from 1500 to 2000 pounds, and most of them are heavy in foal.

COME ONE DAY BEFORE SALE AND LOOK THIS STOCK OVER.
WRITE FOR CATALOGUE.

C. W. LAMER & CO.
SALINA, KANSAS

P. S.—Will also sell 100 head of Brood Mares, Work Horses and Mules on Wednesday, March 12th. Shorthorn Cattle (70 head) of C. G. Cochran & Sons, will be sold here on Friday, March 14th.

JACKS AND JENNETS.

FOR SALE 38 yearling mules in good shape. No blemishes. Straight and good color. Address **GEORGE F. DORSCH**, Sterling, Neb.



54 Registered, big-boned, black JACKS AND JENNETS from colts to 16 hands high; fine body and style, best breeding. A certificate with each animal sold. Jacks, prices, and terms right. Nothing better for Oklahoma and Texas as they are acclimated here.

KINGFISHER VALLEY

STOCK FARM,

J. H. Smith, Proprietor, Route 3, Box 17, Kingfisher, Oklahoma.

Mammoth Jacks and Jennets For Sale

From 2 to 5 years—big boned, black Jacks with white points. 15 to 16 hands high. No better bred ones in the country. All of our Missouri, Illinois and Iowa prize winners for sale. Been breeding Jacks for 30 years. Mention this paper and write or come to

DEIERLING & OTTO, QUEEN CITY, MO.

JACKS AT PRIVATE SALE

If you want the good kind, come to one of the oldest breeding barns in the state, where you will find the large, big boned, black fellows that will do your country good, at prices you can afford.

G. M. SCOTT, Rea, Mo.

Jacks for Cash or Trade

Two Mammoth bred Jacks, 4 and 5 years old. Will sell, worth the money, part terms to right party, or trade for good mares or pure bred or high grade cattle. Address

D. F. McALISTER, Severy, Kansas

Oakland Stock Farm

The Jacks on this farm are all raised there. This is strictly a breeding farm, and not an assembling place of other people's breeding. Five went out last week, with 25 more still there. We sell the good ones cheaper than anybody, because we raise them. Every Jack is guaranteed a breeder. If he is not a breeder he isn't worth thirty cents, and the man who raises him should lose him and not the buyer. Will sell them from \$400.00 up; cash or time.

OAKLAND STOCK FARM, Chillicothe, Mo.

JACKS AND JENNETS

20 head good black Jacks for sale, ages from 2 to 5 years; large, heavy-boned, broken to mares and prompt servers. Prices reasonable. Come and see me. Barns 2 miles of town.

PHIL WALKER, Moline, Elk Co., Kan.

BIG BONED MULES

37 head of coming 3-year-old mules for sale. About one-half mare mules, run in height from 14½ to 16 hands, all big boned mules. A few of them broke to harness. Will make attractive prices for immediate sale.

C. W. HIGGINBOTHAM & SONS, Rossville, Kansas, Shawnee County.

PIONEER STOCK FARM

We have on hands a, 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.

Percheron, Belgian, Shire and Coach Stallions and Mares

15 years in the horse business. Never had a law suit, have never sued a man for collection. Each sale is accompanied with a genuine good guarantee from Nolan. Our horses are from one to five years old.

J. M. NOLAN, PAOLA, KANSAS



They Are So Different!

All Imported, both PERCHERONS and BELGIANS. Last importation arrived Sept. 1st. The selects of both countries. I buy my own horses. All sound, big, flat boned. Ages, two and three years. Prices reasonable. Perfect guarantee goes with each horse and for two years at that.

W. H. RICHARDS, V. S., (Stables in the City) Emporia, Kansas

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.

PUREBRED HORSES.

Good Percheron Stallions, Holstein-Friesian Bulls prices right. H. N. HOLDEMAN, Meade, Kan.

200 Percherons Stallions and Mares For Sale. Singmaster & Son, Keota, Iowa

The Best Imported Horses One thousand each. Home-bred registered draft stallions—\$250 to \$650 at my stable doors. A. LATIMER WILSON, CRESTON, IOWA.

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.

Truman's Pioneer Stud Farm

America's Largest Importers

Shire, Percheron and Belgian Horses

Write for Illustrated Catalogue.

TRUMAN'S, Box E, BUSHNELL, ILLINOIS

Clydesdale Stallions and Mares

I have a number of Clyde Stallions, many of them of my own raising, that I will sell at less than ½ of the regular importer's prices. R. O. MILLER, LUCAS, IOWA.

PERCHERONS BELGIANS SHIRES ONE OF THE OLDEST AND LARGEST IMPORTERS IN AMERICA



Our horses are big, smooth flat-boned fellows, with great quality style and conformation. Will please the most critical. Prices reasonable. Satisfaction guaranteed. Letters from hundreds of satisfied customers and big illustrated catalog mailed free.

Watson, Woods Bros. & Kelly Co.

BOX 1 LINCOLN, NEB.

FOR SALE AT Riverside Stock Farm

10 Head of Young Registered STALLIONS

4 head of Percherons coming 3 years old, weighing from 1650 to 1800 lbs. Any one will make ton horses. 4 head coming 2 years old; all black, weighing from 1500 to 1600; when matured will weigh from 2000 to 2200. They are the big bone kind. 2 standard bred stallions that weigh 1250 and 1280 lbs. 3 head of young Mammoth bred Jacks from 15 to 15½-2, well broke. All these animals will be sold cheap for the quality. Pedigrees and breeding quality guaranteed.

O. L. Thisler & Sons, Chapman, Kan.

150 miles west from Kansas City, Mo., on the main line of the Union Pacific R. R.

25 Percheron Stallions

At Greatly Reduced Prices

25 SERVICEABLE AGE STALLIONS AT BARGAIN PRICES FOR THE NEXT 40 DAYS. If you are in the market for a stallion come and see them. We sell you MORE HORSE FOR THE MONEY than any other firm in the United States.

BISHOP BROS., Box A, Towanda, Kan.

Oldenburg German Coach Horses

We are the oldest and largest breeders of the Oldenburg German Coach west of the Mississippi River. Our 1912 winnings at the leading western shows exceeded those of any other individual horse exhibitor. We will sell high class horses in the Mitchell Co. Sale, March 6. JOS. WEAR & SON, BARNARD, KAN.

Mammoth Jacks, Percheron Stallions

33 Head of Jacks and Percherons

The Jacks are 3 to 6 years old and from 15 to 16 hands high. Percherons are from 2 to 6 years old and weigh from 1800 to 2000 lbs.

We have the kind that will please you.

Write for prices before you buy. Farm and sale barn on 21st Street, 1 mile east of Wichita Union Stock Yards. Write today.

J. C. KERR, Wichita, Kansas

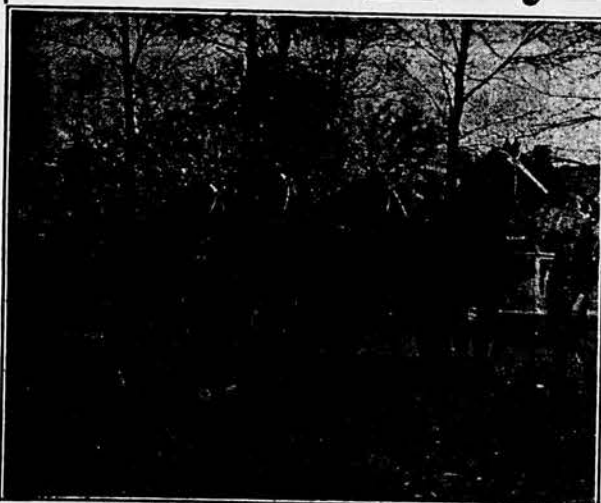
ROBISON'S Percherons

One hundred and fifty Registered Percherons—Stallions, Mares and Colts. Fifty imported. All for sale.

J. C. Robison, Towanda, Kan.



Percherons and Royal Belgians



We have decided to offer all of our state fair prize winners, 22 stallions and mares for sale. Every one of these horses has been shown and has been a prize winner at the shows of 1912. These stallions and mares will be sold at exceedingly low prices, quality considered.

We are showing some other good stallions and mares, which we offer at prices that defy competition.

We earnestly request you to look over our stallions and mares, before buying.

True photos from life on application. Address

WOLF BROS., ALBION, Boone Co., NEBR. IMPORTERS and BREEDERS

4 Black 2-year-olds imported by us in 1912.

Stallions and Mares at Bargain Prices

Percherons, Belgians and Shires

95 Head of Stallions and Mares

Forty Percheron Stallions, 2 to 4 years old, blacks, greys and a few bays all registered in the Percheron Society of America. Several of these 2 year olds will now weigh 1,800 to 1,950. Price \$500 to \$1,000. Three, a little higher.

Fifteen Belgian Stallions, 2 to 5 years old, bays and sorrels. Two-year-olds that are weighing a ton. Price, \$500 to \$1,200.

Thirty Percheron Mares 2 to 8 years old; blacks, bays and greys, all registered in the Percheron Society of America. Twenty-two showing heavy in foal. Price, \$300 to \$700.

Ten head Shire Stallions and Mares I will sell at bargain prices.

All of these Stallions have been examined and found to be of pure breeding and sound and certificate as such will go with each horse; if you want a real bargain in an imported or American bred Stallion or Mare come right away as I mean business.

L. R. WILEY, Emporia, Kan.

THE GREAT Cream Separator

The Melotte Cream Separator—Guaranteed for 15 years

The Genuine French Melotte Sold in America for First Time

The
Wonderful
French
Machine
Sold in
America for
First Time



This is positively the first bona fide, no-money-down offer ever made on any cream separator. No manufacturer of any cream separator ever dared to make such a startling offer before. All others who have ever pretended to offer you a free trial or to send their separator without any money down have taken care to get something out of you first.

But we don't want anything. All we ask is your simple request. We send the cream separator direct to your farm absolutely without any money down. We can afford to do this because the Melotte sells itself. It has an absolute self-balancing bowl.

We want you to read every word of this great offer. It is an offer which, we think, proves our absolute faith in the great Melotte Cream Separator. You are given the opportunity of seeing just how much cream this marvelous separator will extract from your milk before we ask you to send us one cent. You never saw another manufacturer who was so open-handed in his offer. The reason is that no other manufacturer ever wanted you to know all about his machine before paying him anything. We want you to know all there is to know because we know that we have the separator that is right. The principle of the Melotte has been proven to be right in the greatest dairying countries in the world. Now, read every word of this wonderfully liberal offer.

Sent Without a Penny Down

30-Day Free Trial!

Your simple word that you would like to see this cream separator in your own barn or dairy house brings it to you instantly. We send you the Melotte without a bit of quibbling or hesitancy. We neither ask nor want you to send a penny. We don't want a cent of your money. The Separator goes direct to you. You set it up, give it a thorough test with the milk from your own cows. We give you a free trial that is a free trial in every sense of the word. It is a free trial because we don't ask you to pay us any money down—there is no C. O. D.—no lease nor mortgage. You keep your money right in your own pocket. You pay nothing to anybody.

Some people PRETEND to give you a free trial, but they ask you to give them your money first. We are not afraid to let our separator speak for itself. Test the Melotte Cream Separator in every way, watch your profits go up, watch the increase of the amount of cream, then, if you do not believe that you ought to have a cream separator, just send it back at our expense. If, however, you decide to keep this genuine Melotte—the peer of all cream separators—the separator that gives you greater profits than any other—makes every cow you have give you 100% greater value and insures you greater profits from your dairy than you ever made before—we will allow you to keep it on extremely easy

MONTHLY PAYMENTS

These payments are so small that you will hardly notice them. You only pay out of your increased profits. You don't need to be without a cream separator when you can have the separator right in your dairy house while you are paying for it. In reality you do not pay for it at all. It pays for itself.

This is what we want to demonstrate to you. We want to demonstrate and prove beyond all peradventure that the Melotte Cream Separator does pay for itself. Only a few months' use of a Melotte Cream Separator and you will be satisfied that this statement is absolutely correct. A few months and the separator has paid for itself. It does not cost you a penny because the increased amount of cream has paid for the machine.

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Coupon now
—Today!

Don't delay
BABSON BROS., Agents in U. S.
Kindly fill in this coupon and we will send you free and prepaid our book "Profitable Dairying" by Prof. G. H. Bentzen and Prof. K. L. Hatch, the Wisconsin Dairy Experts. We will also send you our free Melotte Self-Balancing Bowl Cream Separator Catalog, explaining our no-money-down and easy monthly payment offer on Melotte Cream Separators.

Your Name
Address

No letter necessary
Just fill and mail
today

We don't want to tire you with a long discussion of how our cream separator is made here. You can best understand this if you will let us send you our free catalog. Besides this free book we have another book which we should like to put into your hands.

Valuable Book

"Profitable Dairying"

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Send Today! It Brings
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Just ask for this book and it will be sent to you. It is free. Place your name on the coupon, cut it out and mail it at once. Then we will send you our great free book, "Profitable Dairying," telling you everything about cows and dairying, butter and cream—how to feed and care for cattle, how to make them twice as valuable as they are now, and how to make more money than ever before out of your cows. This book is written by two of the best known dairy scientists in the country—Prof. G. H. Bentzen, Wisconsin Dairy School Agricultural College, Madison, Wis., and K. L. Hatch, Winnebago County Agricultural School, Winnebago, Wis.

We will also send you our FREE Catalog, describing fully the great Melotte Self-Balancing Bowl Cream Separator and telling all about our liberal terms. Find out all about our liberal terms. Find out about these terms anyway, even if you don't expect to buy a cream separator just now. Remember—no money down, free trial and easy payments—and we let the separator tell its own story. You see with your own eyes why we can afford to guarantee this separator for 15 years. The most sensational offer ever made in connection with a cream separator. Our catalog tells all about it. Don't delay. Sign the coupon RIGHT NOW.

BABSON BROS., Agents in U. S.
Dept. 4563, 19th St. & California Ave., Chicago, Ill.

Melotte Runs 54 Years!!

At the Melotte works one of the Melotte Separators has been working every day (driving every day from the shafting) since Nov. 3, 1900, running 10½ hours per day—or 19,687 hours at a cost of only \$7.50. Reckoning that a farmer works his separator one hour per day, the 19,687 hours represent (on the farm) a period of 19,687 days, or nearly 54 years. Therefore, the total cost of maintenance for the Melotte separator for 54 years, inclusive of oil, will be only \$7.50. At great trials of separators held at Boulogne, France, Oct. 5 to 9, 1905, under the auspices of the Federated Agricultural Societies of the North, the Melotte easily vanquished all other separators—proving the cleanest skimmer and taking less power—and was Awarded the Gold Medal.

World's Grand Prize Winner

Here is a small Percentage of the First
Prizes the Wonderful Melotte Has Won:

- | | |
|---|---|
| 1898—Brussels—International Exhibition—Progressive Prize. | 1902—Frague—Diploma of Honor. First Prize. |
| 1899—Tongres—First Prize. | 1903—Boulogne—Diploma of Honor. First Prize. |
| 1900—Brussels—First Prize. | 1904—Aoste—Gold Medal. First Prize. |
| 1901—Louvain—Diploma of Honor. | 1905—Luxembourg—Gold Medal. First Prize. |
| 1902—Bouchout-les-Anvers—First Prize. | 1906—Belgium—First Prize. |
| 1903—Theux—First Prize. | 1907—London—Gold Medal. First Prize. |
| 1904—Weert—First Prize. Medal of Higher Merit. | 1908—Hayt-Op-Don-Berg—First Prize. Gold Medal. |
| 1905—Vienna—First Prize. | 1909—Yonneuil R. Vienne—First Prize. St. Louis—First Prize. |
| 1906—Drontheim—Silver Medal. First. | 1910—Bombay. First Prize. |
| 1907—Paris—First Prize. Gold Medal. | 1911—Dresden. First Prize. |
| 1908—Brussels—First Prize. | 1912—Cologne. First Grand Prize. |
| 1909—Brussels—World's Exhibition. First Prize. | 1913—Milan. First Grand Prize. |
| 1910—Lyons—First Prize. | 1914—Tours. First Prize. |
| 1911—Northants—First Prize. | 1915—Amsterdam. First Prize. |
| 1912—Paris Gold Medal and First Prize. | 1916—Starodout. Grand Prize. |
| 1913—Vise—Diploma of Honor. | 1917—Saint-Gilles-Toronto. First Prize. |
| 1914—Marchin—First Prize. Gold Medal. | 1918—Arel. First Prize. |
| | 1919—Suzay. First Prize. |
| | 1920—Brussels—Grand Prize and First Gold Medal. |

And no wonder all these prizes have been won. For the Melotte is different (and better) than any other separator in the world. The bowl turns on a single bearing and is positively self-balancing. The cream and milk chambers are made of white bath tub enamel—not tin. Bowl self-draining. Get free catalog today.

Test With Other Machines

Before you decide to buy any Cream Separator arrange to test a MELOTTE along side of the machine you now think is the best separator in America. We want you to do this. Then there can be no doubt in your mind as to whether you are really getting the best machine. This is the only way to buy a cream separator. Then it will not be necessary to take anybody's word. You'll know which machine turns easiest—which machine is the best made. You'll know which skims the closest. You'll know which will make you the most money. Write to us about the MELOTTE and the MELOTTE FREE TEST today. We are the sole factory representatives in America.