

THE FARMERS MAIL AND BREEZE

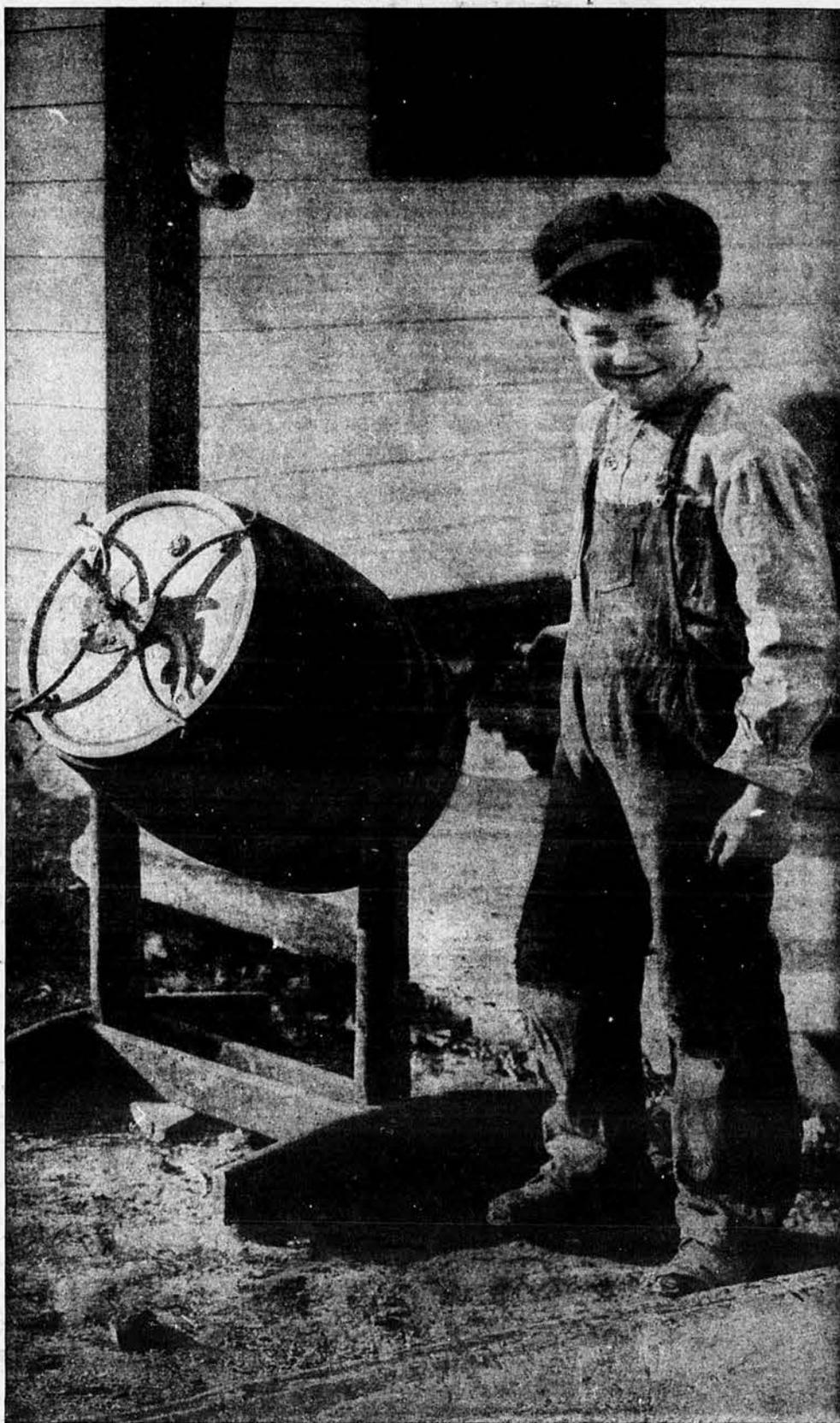
Vol. 44, No. 2.

January 10, 1914

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THE FARMERS MAIL AND BREEZE

An Agricultural and Family Journal for the People of the Great West



Volume 44
Number 2

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Towanda, the Home of the Percheron

Whitewater Falls Where Pure Blood Rules



J.C. Robison's Ideal Methods for Men and Crops

By F. B. Nichols, Field Editor, The Farmers Mail and Breeze

ONE hundred and eighty head of purebred Percherons now are on the Whitewater Falls Stock farm, near Towanda, Kan. This place is owned by J. C. Robison. The number of horses varies, of course, but there always are enough to make it the largest Percheron farm west of the Missouri river. Mr. Robison owns 960 acres and rents 320 more.

The remarkable success of the Whitewater Falls Stock farm has been due largely to the high quality of the animals grown. The stallion at the head of the herd is Casino, 27830 (45462). This really is a remarkable animal, with an amazing number of prizes to his credit. He took the first prize and the reserve senior championship at the World's Fair at St. Louis in 1904. He was a prize winner at the National Livestock show at Paris, France, in 1901, and he has won or helped to win 115 other first and sweepstakes prizes.

Casino is a black, and he was foaled April 17, 1896. He was bred by M. Hubert, of the commune of Cormes, department of Sarthe, France, one of the greatest breeders of Percherons in the world. He was at the head of the Hubert herd for some time, and then was imported to America in 1901. In buying him, it was necessary to buy 26 other stallions at the same time. When Casino is in ordinary breeding condition, he weighs 2,100 pounds. His service fee is \$100. Many Percheron mares are shipped from as far as Illinois to be bred to him. The other herd stallion, used on Casino's colts, is Koulikan, 90857 (91530). This is a three-year-old animal imported last year. He is an excellent stallion, and compares quite favorably with Casino.

All the Percherons on the farm are registered, but that does not keep them from working. All the farm work is done with purebred mares, and it has been so done for many years. No effort is made to get a wonderfully high finish on the animals that go into the annual sale, for Mr. Robison does not believe this is best. The 50 Percherons now being fed for the sale February 25 are getting a large ration of alfalfa hay. Alfalfa is the main crop grown on the farm. In addition they receive oats straw, and a grain ration consisting of an equal mixture by weight, of oats, corn and bran.

The horses kept in the pasture in the summer do not receive a grain ration; only the working horses receive special care at this time. Mr. Robison believes that horses intended for breeding purposes

should be handled much the same as they will be handled later, when they are taken to other farms. That is one of the reasons why he is so careful to break and work the mares. It has not been the practice to work the stallions to any great extent, but this should be done if there were not more mares available. Mr. Robison believes that stallions should be worked. He believes a moderate amount of work will increase their breeding ability.

A sale is held in February every year, which is a widely attended Percheron meeting. The first sale was in 1902. Twenty-three animals were entered at that time, which brought an average of \$472 a head. Both the number entered and the sale price have increased since then. In 1908, 54 head averaged \$661. This average was increased to \$665 for the 45 head entered in 1911. The demand was not quite so heavy last year, but 51 head averaged almost \$600. It is probable that the average will be rather high this year, for there are certain to be very high prices paid for several of the stallions. Some of the animals have unusually good quality.

Percherons are sold from the Whitewater Falls farm over almost all of North America. Animals have been sold in Canada and Mexico, and in Oregon, Washington, Texas, Virginia, Illinois, Indiana and almost all other states. The Experiment stations of Kansas, Oklahoma, Texas and Colorado have bought Percherons from Mr. Robison. Practically all these animals are bred at Towanda; not many are imported. The Kansas bred animals get the prizes and the prices, too; at the World's Fair at St. Louis, where Mr. Robison won more prizes than any other Percheron breeder, all except two of the animals were foaled at Towanda.

J. W. Robison, Mr. Robison's father, who started the Percheron breeding business at Towanda in 1885, believed that success could come only with the growing of animals that had merit. He therefore imported as his herd stallion, Norval, a half brother of Brilliant, which perhaps is the most famous Percheron stallion that America has ever seen. Norval had much of the quality that made the fame of Brilliant, so that by the use of this good foundation stock it was not hard to produce at Towanda animals that could win prizes in competition with imported stock.

J. W. Robison went into the horse breeding business after having considerable experience in grain

farming and cattle feeding. He bought the Whitewater Falls Stock farm in 1879, and went into wheat, corn and cattle raising extensively. He believed that it would be better if he should get a specialty, however, so he took up the Percherons. Then, after the breeding herd was established, Mr. Robison found that he needed some other feed to bring the animals to the best development, so he began to hunt for a crop to use as a feed for the colts. That is why he found alfalfa before most Kansas farmers discovered it. J. C. Robison, when working for his father in the fall of 1895, sowed the first field of alfalfa in that section of Kansas. This was three years before grades for alfalfa hay were established on the Kansas City market. The original planting is still standing, and strange to say the field gave a higher acre yield in 1913 than any of the other 400 acres of alfalfa on the farm.

One of the main reasons why the older alfalfa yielded so well is that it had been pastured for several years, which allowed the stand to get in good condition. It had not been pastured hard enough by the horses to hurt the growth, and at the same time there had been enough manure left on the ground to aid materially in improving the soil. About 100 acres of alfalfa is used for pasture, with especially good results. It is mowed once a year, to cause a growth of young, tender alfalfa. This growth of alfalfa is not raked; as it does not have an especially high value, on account of its woody growth; it is left as a mulch on the land. It has been the experience of Mr. Robison that alfalfa makes excellent pasture both for cows and horses. He has had little trouble with bloat in cattle from pasturing them on it.

About 100 acres of alfalfa is sown every year. Some is plowed up, but the aim is materially to increase the acreage above that of the 400 acres now on the farm. This alfalfa is all in the bottoms along the Whitewater river, and as most of this land was formed from the limestone hills, it is well adapted to alfalfa. This crop demands a soil especially strong in calcium and other mineral elements, which usually are present in abundance in land formed by the decay of limestone. There is little trouble in an average year in getting a stand.

Much of the success with alfalfa comes from the thorough preparation of the seedbed. The prepara-

(Continued on Page 31.)



HUNDREDS ATTEND THE PERCHERON SALE AT WHITEWATER FALLS RANCH, NEAR TOWANDA, KAN., OWNED BY J. C. ROBISON.

DEPARTMENT EDITORS
 Livestock Editor.....Turner Wright
 Field Editor.....F. B. Nichols
 Farm Doling.....Harley Hatch
 Markets.....C. W. Meisler

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PASSING COMMENT—By T. A. McNeal

Here's the Cause of It

That there is a depression in business is evident. That this depression is world wide is also evident. What is the cause, or what are the causes?

Certain politicians in this country will tell you that the new tariff law is the cause. But this certainly does not explain why there is also a depression in other countries where our tariff laws do not operate. It is probably true that the enactment of the tariff law has had a disturbing effect on business. Our method of dealing with the tariff is to my mind the most unscientific in the world. Every few years we elect a congress on the tariff issue and then for months and months business waits to see what is going to be done. No matter whether the tariff is to be revised up or down the effect is disturbing for no business concern that is affected by the tariff knows until the law is finally enacted and in operation, how it will affect that particular business.

The tariff should be revised piece meal, under the direction of a competent tariff commission made up without regard to politics. The result would be that a very few schedules would be taken up and considered at a time. Business would not be kept in suspense all over the country for months and months at a time.

However, in my judgment the new tariff law is not the leading reason at all for the depression in business. I think if there were no other reasons for depression the business of the country would soon adjust itself to the new law and suffer little if any on account of it.

The fundamental causes of hard times are improper distribution of capital, imperfect methods of distribution of products, debt and taxation.

The body politic may be likened to the human body, with its nerve center, its system of arteries and veins and nerves radiating from the center. In the human body if there is imperfect circulation there is ill health. If the case becomes aggravated death results. If the blood becomes vitiated; if the central pumping station, the heart, gets out of order so that it can no longer force the life blood through the arteries we know what happens. The extremities, those portions of the body furthest from the central pumping station suffer for lack of blood. They become cold and weak and if the supply is shut off entirely, become paralyzed. On the other hand, certain parts of the body suffer from a surplus of blood. The brain, the nerve center, becomes congested with it and apoplexy may result.

In the body politic the money and credit are the blood of commerce. The transportation lines, including both railroads and navigable streams, correspond to the nerve system. If the nation were in perfect financial health its money and credit would flow freely to every part of the country and the transportation system would perfectly serve the needs of every part of the commonwealth. When, however, the money and credit of the country become congested; when one part of the country has a surplus piled up and useless, while other parts are suffering from a scarcity of this life blood, there is a diseased condition in both.

In the parts of the country lacking money and credit there is paralysis of industry, lack of development, the chill of poverty. Where there is a superabundance there is the fever of speculation, the debauchery and degeneracy that comes with extreme wealth and idleness.

With a diseased nerve system in the human body there is lack of co-ordination between the nerve center and the various members of the body, resulting in a crippled condition—over-activity of the nerves in some cases and lack of it in others. With an imperfect system of transportation in the nation there is an overabundance of the necessities of life in some localities while other localities are suffering for the lack of the very things that are going to waste elsewhere for want of a market.

The cause of depression in business in this and other countries is to be found in the unequal distribution of wealth, in the impeded flow of the life currents of money and credit and the imperfect system of distribution. If money and credit are as essential to commercial health and prosperity as blood is to the human body it would seem to be false political economy to place the control of that circulation in the hands of private individuals to be used for purely selfish purposes.

If the distribution of the necessities of life is as

essential to the public health as the supplying of the human body with nourishing food is essential to human health and happiness, then the control of the transportation system should be a public function and not left to the selfish whims of private individuals to be operated for private gain.

This world is capable of producing an abundance to supply the wants of all of its inhabitants and yet a majority of human beings are constantly facing actual want and rarely know what it means not to be hungry. With food rotting in parts of the world every day for lack of a market almost countless thousands are suffering for lack of sustenance.

As civilization advances greater and greater burdens of debt are piled on the backs of the real producers of wealth. Taxes increase out of proportion to the increase in wealth and population and the cost of living advances faster than the wages of toil.

Before we can have permanent prosperity the burden of debt must be lifted, a way must be devised that will make the life blood of money and credit flow freely and abundantly through all the arteries of commerce and reach every part of the commonwealth. A system of transportation must be devised that will distribute at low cost the productions of labor.

Poverty on the one hand and extreme wealth on the other are both evidences of disease, both should be and must be abolished before we can have anything approaching an ideal society. It is possible to abolish poverty. It is possible to curb excessive wealth. The control of money and transportation should be national.

The New Banking Law

I have from time to time given a general outline of the new banking and currency law as it progressed but some readers write saying that they have not been able to keep track of the changes made in the bill in the senate and in conference and ask for a summary.

I may say that the bill as it finally got through the conference committee is not materially changed from the amended bill that passed the senate.

In regard to the government board of control, a change was made. The senate bill only provided for the secretary of the treasury on the board. The conference committee added the comptroller of the currency.

Beginning then before the full organization of the system, the secretary of the treasury, secretary of agriculture and comptroller of the currency are directed to divide the country into no less than eight nor more than twelve districts, each of which shall be a reserve district. The object of giving this part of the work to them was I presume, to get the system started while the president is picking out the members of the government board of control.

The board of control consists of seven, two of them the secretary of the treasury and comptroller of the currency, the other five to be selected by the president. Two of the appointees must have had banking experience or experience in finance but no member of either house of congress, or officer or stockholder in any bank or trust company can be selected as a member of the government reserve board.

Of the five members outside of the secretary of the treasury and comptroller of the currency, one shall be appointed for two years, one for four, one for six, one for eight and one for ten years. Hereafter all members will be appointed for ten years with the exception of the secretary of the treasury and comptroller of the currency.

The members of this board will receive salaries of \$12,000 per annum and actual traveling expenses. They will have control of the regional reserve banks. The regional reserve banks must have a paid up capital stock of at least 4 million dollars before they are permitted to commence business. The stock will be issued in shares of a par value of \$100.

All national banks will be required to subscribe to the capital stock of these regional reserve banks to an amount equal to 6 per cent of their own capital

stock and surplus. If they do not make such subscription within one year they will have to give up their charters as national banks.

State banks may become members of the regional reserve associations on the same terms as national banks provided their capital stock is equal to the minimum capital stock required in order to organize a national bank. This is \$25,000. If the member banks do not subscribe for all the stock the remainder will be offered to the public, but no individual or corporation will be permitted to subscribe for more than \$25,000 of the capital stock of a regional reserve bank. If the minimum amount of stock is not taken either by the banks or the general public the government will subscribe for the remainder of the stock and hold it for sale.

Each regional reserve bank will be controlled by nine directors, three to be selected by the government board of control, the other six to be elected by the member banks. Each member bank will be allowed a vote for directors without reference to the amount of its stock.

Banks not located in central reserve cities will be required to maintain a cash reserve equal to 12 per cent of their demand deposits and 5 per cent of their time deposits. Five-twelfths of this reserve must be kept in the regional reserve banks, four-twelfths in the vault of the member bank and the remainder in either the vaults of the bank or in the regional reserve banks.

Banks in reserve cities must maintain a cash reserve of 15 per cent of demand deposits and 5 per cent of time deposits, two-fifths of which must be kept in the regional reserve bank.

Member banks in a central reserve city must keep a cash reserve equal to one-eighteenth of their demand deposits and 5 per cent of their time deposits. Seven-eighteenth of this must be kept in the regional reserve bank.

The capital stock of the regional reserve banks will not be taxable. The holders of this stock will be liable for the obligations of the regional reserve banks to an amount equal to double the face value of their stock.

The stock held by the banks will not be transferable, but member banks may reduce or increase their holdings of stock when they reduce or increase their own capital and surplus. If the regional reserve banks make a profit on their business it will go first toward paying dividends up to 6 per cent on the stock. If there is more than enough profit to do that, half the surplus will go to build up a reserve equal to 40 per cent of the capital stock. The remainder will go to the government as a franchise tax. This may be used to reduce the public debt, but not necessarily so.

A new kind of currency will be issued by the government called federal reserve notes. These notes will be receivable for taxes, customs and other public dues. Regional reserve banks wishing to secure these federal reserve notes must deposit such collateral as the government reserve board will approve and must furnish a gold reserve for redemption purposes equal to 40 per cent of the face value of the government money.

Each regional reserve bank may establish branch banks in its territory for the convenience of member banks. A member bank wishing currency will deposit its securities with the regional reserve bank and have them discounted. The securities will consist of notes, bills of exchange, etc. They must be within 90 days of maturity except in the case of agricultural paper, that is farmers' notes, which may be within six months of maturity. These securities are passed on by the discount board of the regional reserve bank.

The member banks will also be permitted to lend money on real estate mortgages running five years to the extent of 25 per cent of their capital stock and surplus, or to the extent of one-third of their time deposits.

There is no provision in the bill for guaranteeing deposits. Depositors take their chances as they do now in national banks. There is nothing in the law that regulates the interest that may be charged by any member bank.

I think the foregoing summary covers the essential features of the new law. The advantages claimed for it by its advocates are first, that it will enable banks to get money for lending purposes when they need it. If there is a special demand for money they will be able to take their collateral to the regional reserve banks and get cash on such collateral.

Secondly, it will relieve banks from keeping so

A free government has no excuse, except it secures the moral and material advancement of the governed.
 —ARTHUR CAPPER.

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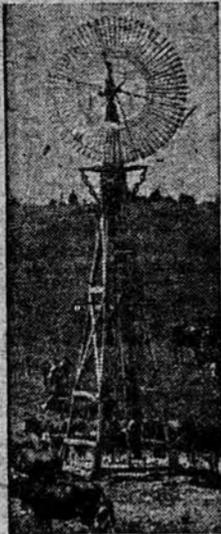
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How to Care For Pastures—By Farmers

A Page of Valuable Letters Arranged in the Order in Which Compensation Will Be Awarded

In caring for pastures, the first rule is "don't overstock". Overstocking pastures not only weakens and destroys much grass, but it also favors the growth of weeds stock will not eat; besides making it easier for wind and water to carry away the soil.

To prevent grass from being killed in patches, give the pasture absolute rest for at least a month during the growing season every year if possible.



This can generally be done by dividing the pasture into halves, and pasturing one-half at a time, being careful not to allow either part to remain idle so long that the grass becomes too rank. These rests during the growing season also will enable the grass to maintain a vigorous root system, which is important.

Prevention of weeds in pastures is far better than the cure, but if weeds are already there in considerable numbers, it will pay to fight them. Mowing while pollen is on will generally destroy rag weeds in two or three seasons. Mowing the pasture during the latter part of summer also is of great help in getting rid of most, if not all, pasture weeds. Moderately stocking a pasture with sheep should destroy rock weeds in two seasons; while iron weeds require somewhat heavier pasturing with sheep.

Whether manure can be used to the best advantage on pastures depends on the conditions existing on the individual farm, and I do not know of any farm on which the use of stable or barnyard manure would be justified. Pasturing land in a proper manner should increase its fertility without the addition of any fertilizer.

It is best to have more stock on pastures during May and June than at any other time. In order to get the benefit of the extra growth of grass during those months, have at least part of your herd well enough wintered to be in shape for market not later than July 1. Your pasture will then carry the remainder of your herd nicely during the drier months.

Good pastures should produce from 50 to 150 pounds of beef an acre annually, where the land is handled right. Don't allow pastures to become infected with disease. Never knowingly allow a diseased animal to run on healthy pasture.

Don't allow stock to punch the turf full of holes during the soft soil conditions of winter and early spring, any more than you would allow stock on your meadows and other fields when the soil is soft. Give your pasture land that part of your thoughtful care that its income, in comparison with the income from other lands, warrants, and it will pay you well.

J. H. MORSE.

Kimball, Kan.

Use the Mowing Machine.

Our pasture was in bad condition when we took charge of it several years ago. It was overgrown with weeds and brush. Much of the brush, especially the hazel brush, we have cleaned out with goats, and some of the trees have been cut. Kentucky bluegrass and white clover were sown among the trees, and it has grown up into a good stand.

It pays to use a mowing machine in a pasture. Where the brush is too heavy for the mowing machine to cut

through, we take axes, and cut out the larger growth. We can keep the machine moving in this way. Buck brush damage decreases with the increase in the thickness of the sod; for as the growth gets thicker, the runners of the brush cannot get through so easy to establish a footing.

I believe that it pays to remove the stones, for by doing this one can increase the amount of land the grass has to grow on.

G. R. SHULTZ.

Lawrence, Kan.

Winter Feeding Helped Bluegrass.

We have improved a 160-acre blue grass pasture greatly in the last few years. This pasture had been overstocked for several years before we bought it in the spring of 1908, and the sod was very thin. The growth was so poor that we decided that 50 head of cows and calves was all that the pasture would carry, but as the season was wet the crop made a good growth, and regained a little lost vigor.

A big growth of thistles came up with the grass, however, and the weeds made about as good a growth as the grass. As we were determined to kill out the weeds there seemed to be but one thing to do, so we fought them with hoes in the good old-fashioned way when a wet time came when we could not work in the corn fields. We never got over all the pasture with the hoes, and later events proved that it was just as well that we did not, for we got rid of the weeds without this extra work.

While the weather in the fall of 1908 was favorable for bluegrass, the crop did not make a good growth, and we decided that it would have to receive applications of manure if it was to be

most gone. It seems to us that we have gone on the right track in feeding on the pastures, and we have done this to at least some extent every winter since. In the dry seasons of the last few years there have been times when we have been forced to have too many cattle on the pasture, but even with that the growth is much better than it was. The sod is getting thicker, and I believe much of it is due to the fact that we fed the cattle on the land in the winter, and returned a little of the humus and soil fertility which a pasture must have just the same as other land.

GEORGE A. PORTEOUS.

Lawrence, Kan.

Don't Burn Off the Pastures.

Pastures in this section must have less stock in them in the next few years if the grass is to live. They have all been overpastured in the last three years, and the grass is in bad condition in some places. It would be well to take all the stock off some of the land for a year. This will allow the roots to get established again, and the seed will form from the native grasses that will do much to get a good growth started.

Never burn off the pasture; that is what destroys the humus that is essential in keeping the physical condition of the soil up to the proper condition. There are sections in almost all the pastures near here that have had all the grass killed, and it will be necessary to sow tame grass in such spots in the spring. Red clover and timothy mixed half and half will make a good combination here for this purpose. Along in the summer, after the weeds get to growing well, the mower should be run over the pasture, and the weed growth



Good feed means good cattle, economically produced.

come the pasture we wished to have. The pasture, however, is almost a half mile from the buildings, and we found that it was a great deal of work to haul the feed to the barns and then haul the manure to the pasture. So when the weather was good, we began to let the cattle out on the pasture, and the hay was fed by putting it in forksful on the ground.

The plan worked well. We found that the cattle did not waste any more hay than they did around the feed racks in the yards, and the manure was left just where it was needed. The cattle themselves seemed to enjoy this better than when they were fed at the barn, and they stay in better condition. Of course, if the weather is wet or stormy this plan will not work; the cattle then should be kept at the barn. If the weather is dry and mild, such as a great deal of Kansas weather is in the winter, the plan works well.

We began to get results from this manure which was added the next season, and the pasture carried an average of 100 head of cattle in 1909, for nearly seven months. The thistles also caused but little trouble, and they now are al-

killed. Leave it on the ground, to furnish a mulch for the young growth.

There are waste places on almost every Kansas farm that ought to be cleared off and sowed to some kind of pasture grass. We have too much waste land in this state that could be made to pay a profit if it was handled right. And, finally, don't plow up the pasture land. Too much Kansas pasture has been plowed up as it is. Let the native grass stand.

LEWIS H. SEELING.

Paxico, Kan.

Remove the Buck Brush.

Kentucky bluegrass and common sweet clover make a good pasture combination for central Kansas. The bluegrass should be sown in the spring along the draws. Sods of this plant may be set in the low parts of the pasture, and if the growth is not pastured the grass will spread.

Sweet clover is coming to be one of the very valuable pasture plants in this section. There will be a considerable increase in the acreage as soon as farmers realize its value. It will grow

whether the season is wet or dry and stock soon learn to like it. While the plant usually lives but two years, there always are enough of the plants that produce seed in a pasture to keep up the stand. The price of seed is high at present, and it would be well for one to make a special effort to save his own seed if he intends to sow some in his pasture.

It is well to use an old disk or a weighted harrow to cover the seed if the ground is not too rocky. If just a little seed is available, it is a good plan to sow it in spots, and cover it with a garden rake. It will spread from these spots.

If a pasture contains buck brush, it is well to pull it out with a team. Use a light log chain with a slip noose at the end. Draw the tops of the brush together, crossing them and draw the chain tightly around these. Pass one or two sticks through the tops to hold the chain and you are ready to pull. The loosened ground will be in good condition to receive the sweet clover seed.

The ideal pasture is one that has a combination of grasses and plants. Therefore, it is wise to save what blue-stem you have, and to sow Kentucky bluegrass where there is considerable moisture and plant sweet clover on the drier portions.

W. M. MANLY.

Diamond Springs, Kan.

Brome Grass Does Well.

It is possible to use brome grass with good success in the pastures here, for the crop does well. It is easy to start; I have obtained good stands in orchards and in old buck brush patches. This grass comes early in the spring and lasts until late in the fall. One can make a profitable use of this grass here where the native grass has been killed.

G. TEFFLEY.

Eldorado, Kan.

Give the Pastures Rest.

One of the best methods for improving the pastures in this section is to let the land be idle for a season, or at least pasture it very lightly. Overpasturing has placed the pastures in bad condition, but it would not take a great deal of rest to bring them back.

Then it will pay, too, to use the mowing machine in August on the weeds and brush. By giving a pasture rest, so the growth will have time to become well established again, and by killing the weeds with a mowing machine, it will be possible to get the land to produce grass almost as good, at least as it once did.

CHRIS LEE.

Piedmont, Kan.

Native Grass Is Best.

Native prairie grass is better than any of the tame grasses for pasture in Kansas, and for that reason every effort should be made to keep the native pastures in good condition. The tame grasses do not stand the dry weather well in this section. When one has pasture that has been badly injured by too close grazing, the best plan would be to take the stock off for a year or two or at least pasture it very lightly, and let the grass have a chance to get established again.

One of the best examples of how grass will become established after it has had hard treatment is afforded by the old Santa Fe trail. When travel ceased over this trail, the grass was killed, and the trail marked by a line of weeds. Now, in Morris and Chase counties, the grass has become established and the weeds are gone, and if it were not for the slight unevenness, one would not know where the trail was. Grass will establish itself if it has a fair chance.

J. S. LOOMIS.

Diamond Springs, Kan.



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Here's a New Spray Schedule

In Small Orchards a Hand Pump Is Preferred

BY F. B. NICHOLS
Field Editor

A POWER sprayer requires a rather large investment for a man who merely owns a small, home orchard. Most Kansas farmers believe the cost is more than they can afford to kill the insects and fungous diseases, and in some cases they are right. If a man has a large number of trees it will pay to get a power sprayer, but if he has just a few trees he can get along very well with a small hand spray pump, which does not require a large investment.

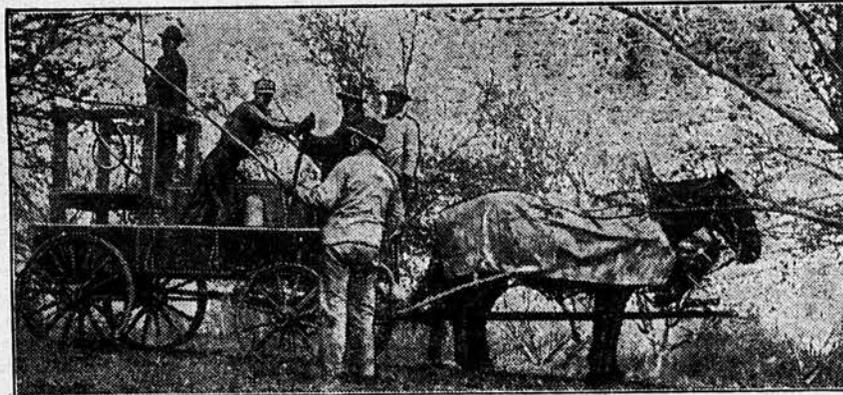
Most spray pump companies manufacture small pumps that are efficient, so there is no trouble in getting a good one. It is mounted in a wagon, and one man can furnish all the power required to keep up the pressure. The capacity of a machine of this kind is not large like that of the big ones that produce their own power with an engine, but it does not take long to get over the average Kansas home apple orchard. The time has passed in Kansas when

substituted for the lime-sulphur. If the weather is damp and threatening at the time when this spray should be put on, it will be safer to use the lime-sulphur and then as soon as the weather permits a spray with bordeaux should be put on. This also aids in controlling curculio and codling moth.

4. Five-weeks' spray.—If blotch is present in the orchard another spraying with bordeaux should be put on at this time in order to have good control of it.

5. Ten-weeks' spray.—This spray is applied about 10 weeks after blossom-fall. It is composed of 2 pounds of arsenate of lead with the addition of bordeaux if blotch is present or if bitter rot is expected. This spray is valuable in controlling the second brood of codling moth.

6. Third-brood spray.—Where there is damage from a third brood of codling moth another spray of 2 pounds of arsenate of lead to 50 gallons of water



it is possible to raise good apples on unsprayed trees. This was possible many years ago, before the state had had infestations of insects and diseases which affect apple trees. When the first orchards were set, there were no insect enemies of the trees here, but since then they have come in abundance. Growers are having more trouble with unsprayed trees every year, and it has reached the point where they should be cut down if one does not intend to protect them. The best plan is to get a small hand sprayer for average farm orchards, and fight the insects to a finish.

It is not a great deal of trouble to learn how to spray trees. The best plan for a beginner is to study a spray calendar, which has been worked out for his home conditions. Winter applications of lime-sulphur sprays are essential where there is an infestation of San Jose scale, and they will pay under other circumstances. The lime-sulphur mixture may be made at home, but when one has a small orchard it usually is best to buy the commercial material, and dilute it according to the directions printed on the containers.

Here is a spray calendar for Kansas conditions. It has been prepared by J. H. Merrill and D. E. Lewis of the Kansas Agricultural college. This schedule is different from those used before. It has been prepared after a great deal of experience by both men in spraying work in almost all parts of Kansas.

The sprays recommended for the growing seasons of apple trees are:

1. Cluster cup.—This spray is composed of 1 1/2 gallons of commercial lime-sulphur and 2 pounds of arsenate of lead to 50 gallons of water. It is applied in the interval between the opening of the cluster buds and the opening of the blossoms. It prevents a large percentage of the normal curculio damage. It is also very valuable in controlling apple scab.

2. Blossom-fall.—This spray has the same composition as No. 1. It should be applied after the petals have fallen from half to two-thirds of the blooms and before the calices close. This spray controls a large percentage of the first brood of codling moth and aids in the control of curculio.

Curculio and Moth.

3. Three-weeks' spray.—The composition of this spray should be the same

should be used just as the fruit starts to ripen.

In ordinary seasons and under ordinary conditions, sprays 1, 2, 3, and 6 will be sufficient.

A man ought to prepare his mind to accept poverty graciously if it comes to him, but he ought to hustle like smoke to keep it from coming.

SELF DELUSION

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Potatoes Can Be Improved

A Loam Soil Rich in Mineral Elements Is Best

BY D. E. LEWIS
Kansas Agricultural College.

NO crop is of more general interest to the people of Kansas than Irish potatoes. It is grown commercially in the more favored sections, and for home use by the general farmers, and city men who are fortunate enough to have a small garden spot. It is one of the staple food products the world over, and consequently is always in demand. Very seldom has the supply so far exceeded the demand as to make the growing of potatoes unprofitable, and usually at such a time business methods applied to the marketing of the crop would very materially increase the returns. The acre yield for Kansas is much below the possibilities for this section, and may by proper methods of culture be considerably increased.

Potatoes will grow in a wide variety of soils, but a deep, light loam, rich in potash and phosphoric acid, and not too high in nitrogen, has given the best returns. Very much depends on the method of preparing the seed bed, however, and it frequently happens that a well prepared, heavy soil will yield better than a more favorable soil which has been given less care. Fall plowing has almost without exception given better results than spring plowing, and in some soils plowing both in the fall and spring has proved beneficial. This is indicated in the following tables:

When plowed.	Yield.
July	161 bushels
March	143 bushels
FIELD B.	
July and March	225 bushels
July	200 bushels
March	180 bushels
FIELD C.	
August and March	198 bushels
March	113 bushels
FIELD D.	
July and March	339 bushels
March	258 bushels
September and March	287 bushels

These yields indicate that early fall or late summer plowing have a decided advantage over spring plowing, and while they were all obtained in one season, the same line of experiments carried on in other years, has given similar results.

A proper rotation of crops is also of great importance in getting good yields. It is desirable to precede potatoes with a crop demanding frequent deep tillage,

and allowing early plowing. In addition to these requirements, the crop used in the rotation immediately before potatoes should be one which does not take out the plant foods used by the potatoes in great amounts; it should not be one susceptible to the same diseases and insects, nor one which leaves a large amount of available nitrogen in the soil. The year 1911 was one of two years since the establishment of the Kansas Experiment station that potatoes yielded extremely low in Kansas, but the following data obtained in co-operation with several growers indicates the value of potatoes.

Field E.—Corn 1909—Sweet potatoes 1910—Yield 1911 108 bushels.
Field F.—Corn 1909—Onions 1910—Yield 1911 98 bushels.
Field G.—Corn 1909—Potatoes 1910—Yield 1911 65 bushels.
Field H.—Potatoes 1909—Potatoes 1910—Yield 60 bushels 1911.
Field I.—Alfalfa several years previous to 1911, yield 55 bushels 1911.

It is not to be inferred from this table that alfalfa has no place in a potato rotation, but rather that some other crop should be planted between the breaking up of the alfalfa and the planting of potatoes. Too much nitrogen causes a heavy growth of the po-

tato vines at the expense of the tubers. This condition is again indicated in the following tables showing the potato yields following the application of barnyard manure, for one and two years, as compared with a portion of the same field to which no manure was applied.

	FIELD J. Manure applied 1911	No manure
Yield 1911	75 bushels	80 bushels
Yield 1912	210 bushels	160 bushels
	FIELD K.	
Yield 1911	65 bushels	98 bushels
Yield 1912	225 bushels	175 bushels

When barnyard manure is to be applied it should be placed on the soil at least one year previous to planting potatoes.

It has not been customary for growers to give the same care to the selection of potatoes for seed as that given other kinds of seed, with a result that frequently the yield has run down instead of being increased. Selecting the seed from the hills giving the best yield, and choosing only the tubers from such hills that conform to the shape desired, will tend to increase the yield, and also to produce potatoes of desirable shape.

On account of the fact that potatoes grow best in a rather cool soil, northern grown seed has given a higher yield, and has been usually more free from disease than that produced at home. By careful selection and by keeping the seed free from disease, the home grown seed may be produced which has an advantage over the northern grown, but as ordinarily selected, the seed from the North has given better yields. In the

following table is given the yield from three varieties under the same conditions:

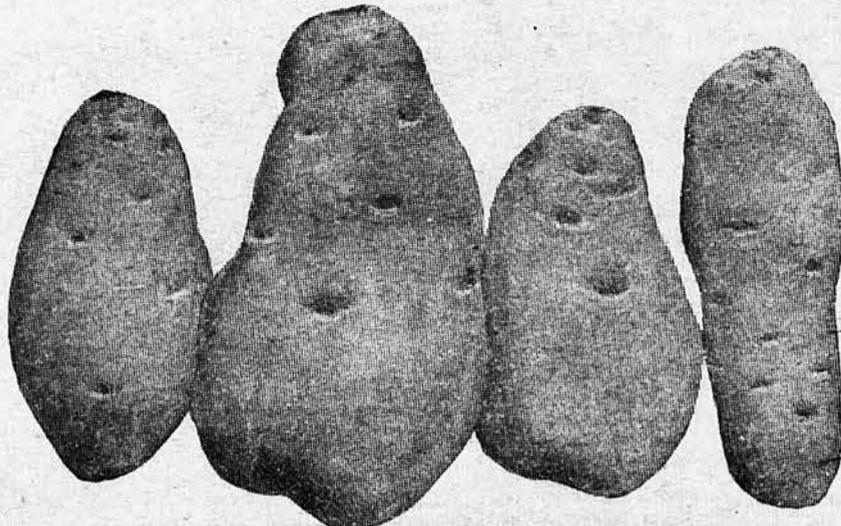
Variety.	Home grown.	Northern grown
Early Ohio	224 bushels	249 bushels
Irish Cobbler	171 bushels	215 bushels
Acme	214 bushels	225 bushels

During a favorable season potatoes may be planted late for seed, and the crop resulting from the use of this seed compares favorably with that grown from northern seed. Some growers have found mulching or irrigation profitable, since by such means a late crop could be obtained which would produce a good yield, and have the added advantage of giving the grower the opportunity to select the tubers from the best hills. Such methods may be attended with marked success if followed with care.

The most important of the diseases affecting potatoes in Kansas is the dry rot, caused by the fungus *Fusarium oxysporum*. This disease affects both the potato stem and the tuber, producing a dry rot of the tuber in storage, and causing the vine to lodge, due to the killing of many of the roots, and to the growth of disease in the stem at the surface of the soil. It is first noticed in the poor stand that follows the use of affected seed, later in the dwarfing and yellowing of the plants and finally in severe cases by the death of the plant. In the tuber the fungus causes a brown streak near the surface of the potato, which is conspicuous when the stem end is removed. In storage above 40 degrees F., this brown streak turns dark, and finally causes a dry rot of the central portion of the potato, or of the stem end, or both. In most cases bacteria enter through the broken down tissue, and soft rot is the final result.

The disease may be prevented by removing the stem end as the first operation in cutting, and discarding any tubers showing the brown ring, and by planting the clean seed thus obtained on ground not affected with the disease. In order that the ground should contain no spores of dry rot, it should be used for other crops during the two or better three or more years previous to the planting of the potatoes. As has already been shown, such a rotation when the proper crops are used will prove of great benefit in many other ways, increasing the yield materially, as well as aiding in the control of diseases.

During a part of the season a disease of the leaves known as the early blight frequently causes serious damage. It appears usually about the time the



Pointed ends with many eyes are not desirable for seed. Choose well shaped potatoes from large yielding hills.

(Continued on Page 31.)

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Don't Sow Too Much Alfalfa

Partly Damaged Kafir Fodder Is Killing Horses

BY HARLEY C. HATCH

AN ILLINOIS reader of the Mail and Breeze writes to get prices on Kansas alfalfa seed and also to know what is considered the right amount of seed to sow. We see no reason why any different quantity of seed should be sown here than in Illinois. The main enemy of a stand of spring sown alfalfa in any prairie country is grass. Foxtail is the worst but crabgrass is bad enough in a wet season. On clean ground a stand of alfalfa should be secured in any season that is not too wet if 15 pounds of seed are sown to the acre. We are not so sure but this is too much if all conditions are right. In a favorable time we believe 10 pounds of seed will make a good stand.

We have 3½ bushels of alfalfa seed in the sack which we expect to sow next spring. The ground on which it will be sown is part cowpea stubble and part corn stubble. Both fields are entirely free from weeds and grass and have been so for three years. We shall not plow the ground but shall disk it and harrow it down and then sow. We may sow 15 pounds of seed to the acre but if all conditions are favorable we shall not use so much.

Two years ago we sowed a 4-acre patch to alfalfa, using 15 pounds of seed to the acre. This was sown on cowpea stubble which was not plowed but disked and harrowed. Four times as many plants came up as were needed to make a stand and many died because they were crowded. For this reason conditions often are such that 10 pounds of seed is enough to sow an acre and produce a good stand. We believe too much moisture is far worse for young alfalfa than too little. Last season is witness to this, for in this locality most fields of alfalfa sown last spring made a stand in spite of the extreme drought.

The city newspapers we take are still filled with complaints of high prices, but even with these high prices most of the young fellows find that farming is not pleasant or profitable enough to keep them on the farm and a large part of them go to the city. Now if the profits of farming are not enough, at the present prices, to keep the younger workers on the farm, does it not look as if prices would go higher instead of lower?

We are not among those who think city life preferable. We are so constituted that a book by the fire on a winter evening is pleasanter entertainment than a moving picture show. We know farm work is hard; no matter what some may say, it is harder than most of the work done in cities, but we are thankful that Kansans prefer independence to dependence on others. We have not yet got so far away from our old Anglo-Saxon ancestors but that we are willing to pay something for that independence. And, in spite of all the talk of city profits, we are willing to believe that 500 country workers will in 10 years create more wealth than 500 average city workers. And they will retain more of it for their share, too.

A number of horses have died in this locality during the last month and in most cases the cause is laid to the poor quality of the kafir fodder. We should not dare feed this fodder to horses after an experience we had not long ago. We had two colts running with the cattle and they got a ration of part kafir fodder and seemed to be doing well on it. This kafir was not very bad, it looked to be pretty good feed, but one day we found one of the colts sick with a plain case of indigestion. It recovered all right but now we feed them in the barn on corn fodder and prairie hay and do not let them out in the yard until the cattle have cleaned up their fodder.

Horses cannot live on feed which cattle can eat and keep healthy. Often a little mouldy feed will mean a dead horse while a cow could eat the same feed and thrive on it. Last winter a farmer in this township lost five horses because they got some mouldy silage. Cattle would have eaten this spoiled

silage and been none the worse for it but the stomach of a horse is very susceptible to poison of any kind. It will be better to buy hay or bright fodder for the horses than to run any risk feeding the kafir we have on our farms this year.

There is much variation in the price charged for corn in the different market points around here. At Gridley corn of the car costs 76 cents a bushel this week while at Strawn it is only 73. Oats at Gridley were 46 cents while at Strawn the price is 43.

While there are plenty to prophesy that hogs will bring \$10 a hundred by next May, it does not help the man who must sell his soon for not much more than \$7. About all hog feeding has been done at a loss so far this season in this section. In places where a corn crop was raised and where corn can be bought for 65 cents, there is money in feeding hogs at present prices but just now we simply are not in the hog-feeding deal. Corn cannot be bought for 75 cents, hauled out into the country and fed to hogs at present prices and make expenses.

But every farmer is keeping a few hogs; enough for breeding stock at least. We all want to keep what we have as well and as cheaply as possible and to do this we will have to use plenty of good slop. For winter use slop should not be thin unless it is milk or house slops. It will not do to throw enough shorts into a pail of cold water to color it and think that it will do the hogs any good. Winter slop should be quite thick and warm, if possible. We tried, some years ago, to keep hogs over winter on thin slop made of cold water and shorts; they would fill themselves full of it, because they were hungry, and then go off and shake themselves to death because their stomachs were full of cold water.

Our hens have the run of the farm yards and in this way pick up a large part of their living, even in this year of scarce grain. In addition to this, we feed our flock of 125 hens nearly half a bushel of grain a day. This costs, at present prices, at least 40 cents. Up to the time the snow fell we were getting an average of 8 to 10 eggs a day, worth at present prices here, something like 25 cents. No one should expect to make expenses off the hens this winter any more than they should expect to make money feeding hogs; it is the future profits we must look to. Next spring, if nothing happens, these hens will be paying us back for what they have eaten this winter. In the meantime, we must ask our city friends not to expect to get eggs for less than 3 cents apiece.

Feterita has not been tested enough in Kansas to make it certain that it is the best crop under all conditions. It has not been proved that feterita will make a larger profit than kafir in eastern and central Kansas.

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Are You Thinking of Going to Town?

Some Boys, of Course, Won't Stay on the Farms, and These Should Look Ahead Before Trying the City's Game

By F. B. Nichols, Field Editor

THERE is a greater temptation for Kansas young men to quit the farm this winter than at any time in the last ten years. Crop yields have been low, and the profits for this year in farming are much below the average. It is not strange that the thoughts of country young men should stray to the delights and opportunities of city life. Life on the great white way usually looks very bright to a man from the open fields at least some time in his life, and frequently the call is too strong to be resisted.

And there is no reason why some of the country young men should not go into city work. This movement which would keep all country young men and women on the farms is just as foolish as a contention that all doctor's sons should be doctors. Kansas young men should choose the life that appeals to them most strongly; they should take up work that offers them the greatest financial rewards in connection with an opportunity to be of real service to society. If the city offers greater opportunities than the country, one should go there, and for some young men it does appear this way. But it is very important that before a country man goes to a city to live he should understand much of the life there, and just how success has been gained by the leaders. In other words, he should not compare the average life he has lived with the brightness he has found on a few pleasure trips to the city.

The country must equal the city in rewards or it will lose its people. I believe every man should go where life offers the greatest opportunities. I do not take kindly to much that is written and preached to warn all country boys from going into city work. If they can do better there, they should go. But—and this is the important point—most of them don't do so well as they would if they had stayed with the rural life. Before the country young men decide to cut loose from the farm they would do well to find out the cause for failure of the country men who take hold of city life.

Practically the only men who succeed in the city today and really do big things are the specialists or those who have money to aid them. City life is remarkably well organized, and specialization is the key to success in any line. There are few country men who can take enough money to the city to aid them materially in their fight for success there; they therefore must depend on special training. Be-



You'll think of the old home many a time.

An untrained Kansas farm boy who goes to a city has a hard battle ahead. He usually can get a job at ordinary work without any great trouble and things look fairly bright until he makes a few discoveries along the line of the cost of living. The prices which the essentials of life cost in the city really are amazingly heavy to a man who has been at the source of the food, and he soon makes the discovery that his wages will not much more than cover the actual cost of living. Laboring men in the city frequently are reproached because they do not save more money; and while there is a reason for this in some cases the fact usually is that their actual expenses are high enough to take almost all their wages.

Some farm boys have decided to leave the farm; under no consideration will they stay. They have determined to live their life on the paved streets, and that ends it. If this is the case, the logical thing for them to do is to prepare themselves so they will make the greatest success when they go. They should decide what work is the most attractive to them, and then learn this line well so they can become efficient workers. The ambitious young man who will live a clean life has a fair chance for success in city life, if he is properly prepared for the work he wishes to do. If he lacks preparation it is probable he will fall far short of the success he might have had.

The greatest mistake made by country boys in their consideration of city life is in the belief that it is "easy." Personally, I never have seen any easy city work that would get anyone anywhere. There are jobs in a city that require but little physical or mental exertion it is true, but the rewards that are given for labor of this kind are what one would expect for inefficient work. The men who are doing the things worth while in this world—the specialists who really are keeping affairs moving—are working just about as hard as they can work. Ambition usually is so strong among the efficient men that they drive themselves through some amazingly long hours and big jobs. There is nothing easy in the road by which the big men have climbed.

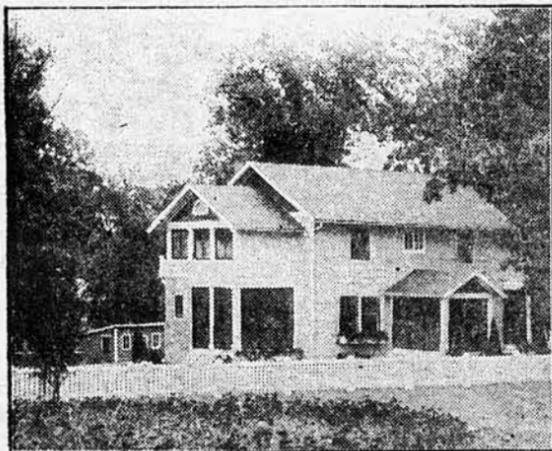
Forces that are acting to direct city life are beginning to govern rural affairs, also. The increasing prices of food products are promoting larger opportunities in the country, both financially and socially. The days of cheap food have passed; there is no possible chance that the low prices for farm products which were the rule 18 years ago will ever return. There is no great Middle West to be settled up again, and the economic factors in operation then,

which forced the prices of crops and farm animals below the cost of production, can never come back.

This tendency toward higher prices for the things a farmer has to sell is one of the main things that should halt the city movement of country young men. It is just as certain as anything can be in this world of imperfections that the cost of living will be higher in the future in the city, and that higher farm prices will accompany this movement. In other words, this "spread" will be greater. It is better to sell on a rising market than to have to buy on it.

Specialization is the coming thing in country life just as it is in the city. Twenty years ago most of the farms in the Middle West were general farms, and there was a great variety of products grown. Now most of the better places have a specialty. This tendency does not mean that there should be narrow specialization to the extent of one crop farming, but that one should have a leading line that is featured. Around Wathena and Blair it is fruit; near Kansas City dairy and truck farms are the main lines; in Greenwood county beef cattle have taken the field and around Edwardsville it is potatoes. Specialization does not mean one-crop farming, it merely means the arrangement of one's farming operations so he can make the most money out of his market and soil conditions.

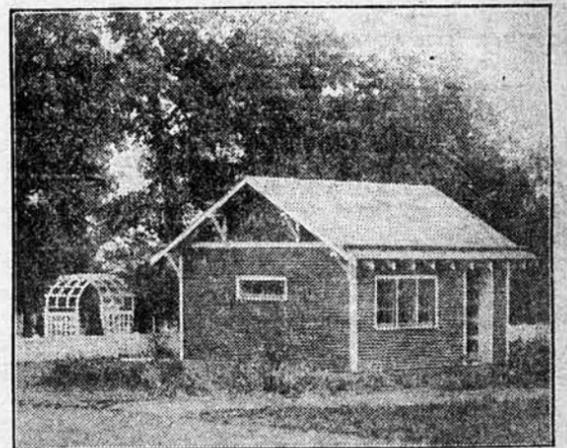
This demand for specialization offers a great opportunity for country young men who wish to stay on the farm, and who will study so they may become efficient producers. The old prejudice against advanced agricultural knowledge has all but disappeared, for it is the men who know things who are getting the money. The old fashioned man who considered himself the custodian of all the useful farming knowledge in existence has all but disappeared in Kansas. The man who refuses to learn from the successes or failures of others lacks the first essential of a good business man. For the boys who expect to stay with the farm, one of the most important things is to appreciate that country life, in the very nature of things, is much different from city life, and that it must not be judged on a city basis. One of the essential things in farming in Kansas is that we shall build up a rural civilization that does not depend on the city. Country life must be arranged to give much in human satisfaction in things that are distinctively



A farm home of good architecture.

fore you make a start into the great city mill, learn to do some one thing well, and then if you have the right stuff your chances for success in the city are good.

The chance of a man going to a city and starting in with ordinary work—as all untrained country young men have to do—and then winning success is remarkably small; the law of average proves that he hasn't much more than one chance in a thousand. Of course, it might be done—almost anything can happen—but the fact remains that mighty few untrained men get anywhere in this world. It is only the specialists who really are equipped to do work that will bring in the money to employers and then to themselves.



A cheap, attractive garage.

rural. The most distressful thing is to know a farmer who measures country life on city standards. If a vaudeville show or a cabaret mean more to a man than dealing with the mighty forces of nature in the production of food, he never will become a good farmer. He would do well to move to town.

If Kansas rural life is promoted so it is more independent of city affairs—if the boys and girls can see that it is not necessary to go to town to get some fun—and more home comforts are provided, most of this drift to the city will stop. Three-fourths of the city movement has been caused largely by a lack of the simple comforts of home life which farmers could have afforded.

It Pays to Know What You Eat

Foods Well Selected Mean Healthy Bodies and Fat Pocketbooks

By Adah Lewis

IT IS a well known fact among farmers that if an animal is to be profitable, either as a beef or dairy type, it must be fed upon at least approximately balanced rations. The farmer knows there are certain constituents present in the alfalfa, prairie hay, corn, oats, cottonseed cake and other stock foods that are useful for certain purposes in the animal's body. Understanding these principles, he proceeds to feed his stock the combinations best suited for producing muscular tissue (in young animals) and also fat, milk and heat.

Now it is equally important that the human animal be fed with well balanced combinations if it is to reach the highest type of efficiency and be kept in a perfect state of health. Fortunately, most of us are blessed with strong physiques, and perhaps after many years of improper diet we still find ourselves in a fair state of health. However, as the years wear on we are almost sure to reap what we have sown for, as the system becomes weaker through old age, the various organs will cease to perform their natural functions and disease will follow. We have only to think of many of our friends who have passed middle age to find abundant examples of the effect of the wrong habits in eating. Fortunate, indeed, is the old person whose digestive or excretory system is not deranged. These misfortunes are not always confined to the older people, for frequently we see young persons also, affected with a kidney, bladder, stomach or liver disease brought about by improper diet.

Appetites May Be Abnormal.

Mother Nature has endowed each of us with the feeling known as "appetite" in order that we might satisfy the demands of our bodies for muscle-building and heat and energy-producing foods; but we dare not rely entirely upon this feeling in the matter of selecting our foods, for oftentimes our appetites are abnormal through physical conditions, and foods capable of satisfying this craving would be detrimental to the body. If we are to be sure that we are consuming the proper kinds of foods and in the right proportions it is absolutely necessary that we have at least a general idea of the composition of our more common food substances and that, having acquired this knowledge, we apply it every day in the selection of those foods.

While the busy housewife does not have time to ponder a great multitude of scientific names in her study of foods, it is a simple matter for her to classify the more common ones into the heat and energy producers, the muscle builders, the tonics or appetite stimulants, the laxatives, foods that are economical and foods that are expensive. Such a knowledge enables her to preserve the health of her family and is also a distinct save on the family pocketbook.

Preparation Is Important.

Not only should the housewife have the knowledge that will enable her to select the best kinds of foods, but she should know how to prepare the food in the most palatable, digestible and nutritious form possible. Many times food is entirely ruined in the cooking process, as far as the food value is concerned, and sometimes it is made into a product exceedingly hard of digestion. A familiar example of this is the time honored fried beefsteak, which reaches the table in a state of consistency not unlike that of sole leather. (A discussion of meats and their cookery will be taken up later.)

Very often a certain food is lacking in one of the food constituents. If the housewife is aware of this, she may not only make the food more nutritious but may also add to its palatability and digestibility by supplying the lacking constituent.

We are hearing a great deal at the present day regarding the high cost of living, and it is highly necessary that the housewife know how to make each dollar do its duty. She cannot be sure she is securing the most economical foods for her family unless she has a knowledge of the comparative values of food materials. A food may appear cheap or economical at first thought

and unless one knows something about its composition, it may prove to be expensive when we realize just how little nutriment it contains.

Let the food for your family be of the most healthful and nutritious sort and your children will reap a large reward for their mother's solicitude.

Are You a Modern Farmer?

HOW ABOUT YOUR HOUSE?

A few days ago a representative of the United States Department of Agriculture, who is spending the winter making a special study of ways by which the Department may help farm women, was in the office of the Mail and Breeze. Discussing modern conveniences in the farm home she said: "They tell me there is such a thing as an automobile and a water system at the same house, but so far I've failed to find it. As far as I've been able to discover, when a farmer has a certain amount of money to spend he chooses transportation rather than sanitation."

Now the Mail and Breeze is certain there are homes in Kansas where there is both an automobile and a water system. In fact, the home editor says she believes there are many such homes. But we want to know for sure. We

A Good Rule for Living

"Tain't no mean service to go through the world, stealin' into folks' hearts like a ray of sunshine and lightin' up every place you set foot in.—Kate Douglas Wiggin.

would like to hear from those who have waterworks in their homes, and most particularly those who have both water works and an automobile, or whose friends have. We want also to know the plan of the water system, so anyone else who is contemplating putting in a system will know just how to go about it. If a drawing will make it any plainer, it may be well to include one.

A prize of \$1 in cash will be given for each of the three best letters received on this subject. All letters should be in the office of the Mail and Breeze by February 1. Address them to the Modern House editor.

The Girl Who Wants to Be Popular.

A 17-year-old girl who reads the Mail and Breeze asks me to tell her through its columns "how to catch a fellow" and how to be popular among the young folks; and because I think she represents a type, and that others will be interested in the reply, I will try to do so.

One sees "between the lines" of the inquirer's letter that she is most selfish. Begin, then, with the cultivation of that most winning trait, unselfishness. Say and do, not the things that give you most pleasure, but the ones that will please and put at ease your associates. Good manners are essential, but one does not learn them from a book of etiquette. Memorize and put in practice the rule given in I Peter 3:3,4.

The girl who wishes to become popular must take great care of her personal appearance. This does not mean that she is to dress either gaily or expensively. You will make a better "hit" in a neat gown of 8-cent goods if you are well groomed than an untidy girl will in furs and messaline. You must be cleanly to the point of being immaculate. Keep hair well brushed and neatly arranged, finger nails quite clean, and teeth white. Never wear a dress, a shoe or a glove with a missing button.

The boy whose admiration you wish to win, if he has grown up in a refined home, will not want to be your friend if you chew gum or use the latest slang. If you speak correct English you can go in a better class of society than you could otherwise.

If a young man whom you do not care to go with asks for your company, refuse courteously, and do not tell anyone that you had a chance to do so.

Many a girl is disliked by the boys because she repeats such things. The average boy likes the girl who does not say unkind things of other girls. The girl who is a great talker is seldom popular among young folks. It is better to be quiet and reserved and be an attentive listener when others talk.

Mrs. Pearl Chenoweth.

Jennings, Kan.

Cutting Down the Meat Bill

[Prize Letter.]

Try these dishes as a change, and incidentally as a money saver, when the price of fresh meat goes out of reach:

Fried Rabbit—Dress and cut up a cottontail and soak for an hour or more in salted water to draw out the blood. Stew until tender in as little water as possible, letting boil dry when done. Then put a half dozen slices of salt pork in the kettle with the rabbit, stirring often, until the rabbit browns in the fat from the pork. This is a very savory dish, as the pork gives the rabbit a much richer flavor than it has when cooked alone.

Rabbit Sausage—Cut the meat of several rabbits closely from the bone, mix with one-third the amount of fat salt pork, and grind through the food chopper. Season with salt, pepper and sage, shape into small flat cakes and fry.

Quail Pie—Stew the quail in salted water until tender. Season with a lump of butter and thicken the broth with a little flour rubbed smooth in cold water. Then pour into a baking pan which has been lined with a good biscuit dough, cover with the dough, cutting gashes to let the steam escape, and bake until the top crust is a nice brown. If your "men folks" come in with such an appetite as mine have after a morning's hunt, you will need to allow from one to two quails for each person.

Mrs. C. E. Doty.

R. 2, Woodward, Okla.

Rule For Nut Crisps.

I am sending in a recipe for nut crisps which my children think equal to peanut candy; and as popcorn is scarce this year it makes a good substitute for that. Cream 1 tablespoon butter, add gradually 1 cup granulated sugar, 2 well beaten eggs (or 1 egg and 2 tablespoons good cream can be used), 2 teaspoons vanilla, ½ teaspoon salt, 2½ cups rolled oats (uncooked) mixed well with 2 teaspoons baking powder. Mix all together well, spread ¼-inch thick or a little less on shallow pans and bake in a medium oven for about 20 minutes or until well browned. When cold break in small pieces to resemble popped corn. Or you can when you take it from the oven set on top of the stove to keep it from hardening (as it hardens quickly) and cut into long narrow strips to resemble peanut candy.

Mrs. Frank Juelke.

R. 1, Arrington, Kan.

Beef Better Than You Buy.

[Prize Recipe.]

Anyone who will try the following recipe will never buy corned beef from the butcher again: For 10 pounds of beef take 1 pint of salt, 1 teacup brown sugar, 1 tablespoon each of ground cloves, allspice, and pepper, and 1 tablespoon pulverized saltpeter. Rub the beef with this mixture and place in a jar. Rub each piece on all sides with the mixture twice a day for a week, then wash off the spices, put in a pot of boiling water and let simmer for 5 hours. Remove from fire and press under a heavy weight until cold. The same pickle will do for another 10 pounds of beef, by first rubbing into it a handful of salt.

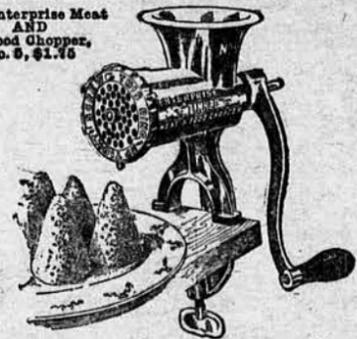
Catherine E. Howe.

Burlington, Kan.

New Seasoning For Sausage.

A Mitchell county woman says that when she is making sausage she seasons part of it, for the sake of variety, with curry powder, of course adding salt. Curry powder is better known to residents of tropical countries, but it is growing in favor in the United States. It can be bought at the stores, but those who prefer to prepare it themselves will like the following recipe: Three ounces of tumeric, 4 ounces coriander seed, 1 ounce black pepper, 1 ounce ginger, ½ ounce cardamon seed, ½ ounce cumin seed, ¼ ounce cayenne. Dry all the ingredients thoroughly and pound them to a powder in a mortar.

Enterprise Meat
AND
Food Chopper,
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Spend Less Time in the Kitchen

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Meat AND Food Chopper

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The Enterprise Food Chopper is a lower-priced machine that has proved very popular. Prices range from \$1.25 to \$2.25. At the price it has no equal.

Perhaps you do not realize what a great help these machines are. Then send 4c for "The Enterprising Housekeeper," a 200-recipe book that will relieve you of the worry of what to have on your table. Every recipe has been fully tested.

Ask your dealer to show you these machines.

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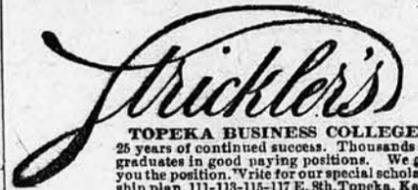
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These patterns may be had at 10 cents each from the Farmers Mail and Breeze.

Pattern for Ladies' Dress No. 6381 is cut in five sizes, 34 to 42 inches bust measure. Size 36 requires, with seam in the skirt, 4 1/2 yards of 36-inch material.

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Dressing sack 6032 is in five sizes, 34 to 42 inches bust measure. Size 36 requires 2 3/4 yards of 36-inch material and 7/8 yard of 27-inch contrasting goods.

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BE SURE TO GIVE NUMBER AND SIZE.

Men Who Teach Their Sons Dishonesty.

I have just finished reading a letter in the Mail and Breeze by J., a country school ma'am, "Consider the Boys." It is good. But I wish she had gone a little farther and mentioned the habit men, and honest (?) men at that, have of telling a boy he can have such and such a calf, pig or colt, usually a runt, and after the animal by the boy's love and care has developed into a fine animal, taking it from him, selling it and putting the money into their own pockets. I think it the most dishonest thing a man can do, for it not only robs his son of the money but of something money cannot buy back, his trust in his father. If the truth were known about "why boys leave the farm," it would be found that nine times out of 10 the dissatisfaction had its beginning in just such a deal.

I have seen this done so many times by men who would be justly indignant if their honesty were questioned in their dealings with their fellow men. But with the "little fellow"—that's different. He can't help himself. I hope this

will catch the eye of some father that has profited (?) by such a trick and cause him to change his method of dealing with the boys. Remember, they will soon be men; and can you expect them to be honest men with such an example before them? It is better not to give them anything than to take it away in such a high-handed manner. When I was little we used to call another child who did that way "Indian giver." Don't be an Indian! Mother of Boys.

When Hair Has Lost Its Color

Will you please give me information in regard to dyeing a hair switch, both light and dark? I have tried sage tea, and I never have had good success. Any information you may give will be greatly appreciated.—J. C., Oklahoma.

This is one of the things about which the editor is sorry to say no information can be given. Sage tea could not be a success, because it would produce only one kind of brown, while in heads of hair there are probably hundreds of kinds and shades. Satisfactory dyeing can only be done by specialists, and there are only a few of these in the large cities. Dealers in hair goods in a town even the size of Topeka will, if a switch is brought for dyeing, send it on to someone else. If you have a switch that has faded, the best thing is to wash it in gasoline and give it to someone else who can use it. A switch should always be washed in gasoline. Water will fade it.

Good Babies in Jewell County, Too

Dr. Julius Wesselowski of Jewell, Kan., read the measurements of the perfect baby as given in the December 6 issue of the Mail and Breeze and immediately measured his own baby, as many other fathers and mothers probably did also. He has sent the results to the Mail and Breeze together with the picture of a healthy, happy looking boy. Adolph Wesselowski is 2 years and 9 months old. His height is 35 inches, head measurement 19 1/2 inches, chest 20 1/2, abdomen 21. These measurements are equal to those of the average child



Adolph Wesselowski, Jewell, Kan.

3 years old. In his sweater and trousers he would look like a boy a half dozen years old if it were not for the baby wrinkles at his wrist.

To apply home-judging methods to your baby take the tape measure and find the circumference of baby's head straight around forehead and above ears, his height, the circumference of abdomen at umbilicus, and his chest on a line with the nipples. Then undress and weigh him, being sure to test the scales before weighing. Good measurements mean a great deal, because they show the child is getting a good start in life.

How Do You Do It?

Will some of the ladies please tell me how to make white frosting for a cake that will not crack when the cake is cut? I have used milk and sugar, also the boiled icing, and sugar with the beaten whites of eggs, but do not have good luck with any. Reader.

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If you will send me a horse, cow, steer or bull hide to be tanned and made into a coat or robe. I do the work at a reduced rate and give you free either a cap, a pair of mittens or a pair of gauntlet gloves. Either one of these goes to every customer who will send me a horse, cow, steer or bull hide to be tanned and made into a coat or robe. I have reduced tanning to a science, having had 25 years' practical experience. I can make better prices on good tanning and finely finished coats and robes than other tanners and yet afford to throw in one of the above. My modern plant also enables me to make these reduced prices and this startling offer. N. B. MICKLE, President, MICKLE FUR COAT & ROBE CO., 522 West 7th St., MASON CITY, IOWA.

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mean seeds that will prove highly germinating, true to name, free of impurities or disease, that will grow and yield big crops. Don't take chances. You reap as you sow. My new, big, free Galloway's Pure Seed Book for 1914 is the best hand-book on planting ever written. Packed with pictures, full of meaty information, growing methods and bumper crop ideas. Quotes lowest prices on alfalfa, clover, vetch, Marquis spring wheat, best vetch, rickles Seed Oats, farm and garden seeds, riotous and utility shrubs, plants, and NITRAGIN, the wonderful seed inoculator. You want this book! Bros.-Bowman Company, 44 Galloway St., Waterloo, Ia.

Reliable Poultry Breeders

FARMERS MAIL AND BREEZE POULTRY BATE.

The rate for advertising under the "Reliable Poultry Breeders" column is 5c per word each time for 1, 2 or 3 insertions and 4 1/2c per word each time for four or more insertions.

PLYMOUTH ROCKS.

FULL BLOOD Barred Rocks \$2.00. D. N. Hill, Lyons, Kan.

WHITE P. ROCK cockerels \$1.50 each. James Jensen, Kinsley, Kan.

BUFF ROCKS—Nice pullets \$1.25 each. W. F. Alden, Ellsworth, Kan.

BARRED ROCKS—Cockerels, pullets, \$1.00 up. H. W. Caywood, Clifton, Kan.

FINE BARRED COCKERELS. Inquire of Wm. C. Mueller, Hanover, Kan., R. 4.

BARRED ROCKS. 101 premium cockerels \$2 up. Mrs. Chris Bearman, Ottawa, Kan.

LARGE thoroughbred White Rock cockerels, \$1 each. Cora Stephenson, Milton, Kan.

LARGE finely bred Buff Rocks. Prices reasonable. Mrs. Lloyd Clark, Hazelton, Kan.

BUFF ROCKS—A few breeders and young stock for sale. William A. Hess, Humboldt, Kan.

BUFF ROCK cockerels. From blue ribbon winners. \$1.00 and up. Henry Blauer, Bern, Kan.

FINE WHITE ROCK cockerels at reasonable prices. Mrs. E. E. Williams, Sabetha, Kan.

PURE BRED WHITE ROCK cockerels; beauties; \$3.00 each. Mrs. Elmer Lane, Burlington, Kan.

BIG TYPE BARRED ROCKS. Fine cockerels and pullets half price now. A. H. Duff, Larned, Kan.

HIGH SCORING Barred Rock cockerels; guaranteed; \$1.50 each. Harry Cummins, Toronto, Kan.

BUFF ROCK cockerels, pullets, hens and cocks. Prices reasonable. Mrs. Perry Myers, Fredonia, Kan.

FOR SALE. Nottzger strain Partridge Rock cockerels, Three dollars each. D. C. Davis, Cimarron, Kan.

CHOICE Barred Rock cockerels at \$1.50 to \$5.00. Big fellows, ready for service now. James H. Parsons, Quinter, Kan.

BARRED ROCK cockerels \$1.50, 4 for \$5.00. Premium winners \$2.00 and \$3.00. Mrs. A. M. Markley, Mound City, Kan.

EARLY, ringy, weigher-layer Barred Rocks, \$2.00 up, 103 premiums. Pen heads specialty. W. Opfer, Clay Center, Kan.

TWO BREEDS—Pure bred Barred and White Plymouth Rock cockerels and pullets from prize winners. H. F. Hicks, Cambridge, Kan.

BARRED ROCK cockerels. Large, well barred, farm raised, \$1.50 each, 4 for \$5. Geo. Bingham, Bradford, Wabaussee Co., Kan.

BIG, VIGOROUS, early-hatched White Rock cockerels. Best strain in America. \$2 to \$10. Eggs in season. E. L. Lafferty, Ellsworth, Kan.

BARRED ROCK cockerels. Farm raised. Light colored \$1.50 each; medium dark ones \$2.00 each. Mrs. John Yowell, McPherson, Kan.

FOR EXCHANGE—Eighteen choice Partridge Rocks for Buff Rocks. Also Cyphers Model incubator. J. J. Bleakley, Abilene, Kan., R. 3.

100 WHITE ROCK cockerels and pullets from stock scoring 93 to 96 1/2 points, weighing 5 to 10 lbs., yet for sale. W. T. Blackwill, Quinter, Kan.

BARRED ROCKS. 68 premiums won at Topeka, Manhattan, Clay Center, Denver. Choice cockerels \$3.00 each and up. Mrs. D. M. Gillespie, Clay Center, Kan.

PARTRIDGE PLYMOUTH ROCKS headed by America's Royal winner. Cockerels for sale. Eggs in season. Prices reasonable. Reece Lewelen, Cedar Vale, Kan.

I AM ON DECK with the usual number of choice Barred Rocks, either sex. Write me your wants. Satisfaction guaranteed. Frank McCormack, Morrowville, Kan.

BARRED ROCK cockerels—Utility birds for the farm flock hatched from mated pens. Light colored \$2.00 each; medium and dark, \$3.00 to \$5.00. C. C. Lindamood, Walton, Kan.

IVORY STRAIN White Rocks. 100 big snow white cks. and pullets for sale. Pullets \$1.50 to \$2.00. Cks. \$2.00 to \$3.00 each. Chas. C. Fair, originator of Ivory Strain, Sharon, Kan.

LANGSHANS.

BLACK LANGSHAN cockerels. Scored by Rhodes. Martha Haynes, Grantville, Kan.

PURE BRED White Langshan hens, pullets, cockerels. Mrs. Geo. McLain, Lane, Kan.

BLACK LANGSHAN cockerel at half price. A few choice Houdan cockerels. Write your wants. E. D. Hartzell, Rossville, Kan.

MINORCAS.

BLACK MINORCA cockerels. From blue ribbon winners. \$1.00 and up. Henry Blauer, Bern, Kan.

Reliable Poultry Breeders

TURKEYS.

BOURBON RED toms \$3.00 each. Errol Barnes, Milton, Kan.

BIG BOURBON RED toms \$4.00. Mabel Howard, Burr Oak, Kan.

THOROUGHbred Bourbon Red turkeys. John Carroll, Lewis, Kan.

CHOICE BOURBON RED turkeys. Hattie Hart, Eureka, Kan., R. 2.

FINE, PURE BOURBON Red toms, \$5.00. Mrs. J. J. Darst, Rose, Kan.

TURKEYS. White Holland hens \$2.50. Bertha Locke, Portland, Kan.

BOURBON RED turkeys. Hens \$3. Toms \$4. Mrs. A. R. Robeson, Centralia, Kan.

EXTRA FINE Mammoth Bronze turkeys. C. E. Foland, Almena, Kansas, Route 2.

WHITE HOLLAND turkeys. Toms \$5, hens \$3. Grace Garnett, Columbus, Mo.

MAMMOTH BRONZE. Extra large, fancy. Cheap. Mrs. Lloyd Clark, Hazelton, Kan.

WHITE HOLLAND turkey toms \$4.00. Hens \$2.50. Andrew Kosar, Delphos, Kan.

THOROUGHbred Bourbon Red turkeys. Prices reasonable. Fay Egy, Turon, Kan.

WHITE HOLLAND turkeys. Toms \$4.00. Hens \$2.00. Mrs. R. A. Lewis, Timken, Kan.

A FEW M. B. toms at \$5.00 each. Standard birds. Maud Lundin, Columbus, Kan.

FINE M. B. turkeys. Toms \$5, Hens \$3 and \$3.50. Mrs. E. C. Stockwell, Burlington, Kan.

THOROUGHbred Bronze turkeys. Toms \$5.00. Hens \$3.00. Mrs. C. L. Worley, Utopia, Kan.

WHITE HOLLAND turkeys. Toms \$3.00. Hens \$2.00. Mrs. Jane Thompson, Cambridge, Kan.

LARGE White Holland turkeys. Toms \$4.00, hens \$3.00. Chas. W. Zabel, Wetmore, Kan.

THOROUGHbred Bronze turkeys. Toms \$5, hens \$3. J. Gould, Route 2, Conway Springs, Kan.

LARGE, thoroughbred Bourbon Red turkeys. Prices reasonable. Mrs. S. J. Henry, Belleville, Kan.

MAMMOTH BRONZE turkeys reasonable. Grand sire famous Blitz, 56 lbs. L. R. Wiley, Elm Dale, Kan.

MAMMOTH White Holland turkeys. Toms \$5, hens \$4, trio \$12. Mrs. Wm. Forsythe, Greenwood, Mo.

MAMMOTH BRONZE toms \$5.00 each. Good birds, well colored. Mrs. Helen Lill, Mt. Hope, Kan.

PURE BRED Mammoth Bronze turkeys; large boned. Toms \$5. Hens \$3.50. Gertrude Tilzey, Lucas, Kan.

MAMMOTH White Holland turkeys. Toms \$4.00; hens \$3.00. Also Bourbon Red. Mrs. Will Jones, Wetmore, Kan.

MAMMOTH BRONZE toms \$5.00. Big rangy kind, standard weight. No hens left. James H. Parsons, Quinter, Kan.

PURE BRED Bourbon Red Turkeys, White and Buff Orpington, Partridge Rock chickens. A. M. Farmer, Pratt, Kan.

WHITE HOLLAND turkeys until New Year. Fine large stock. Hens \$3, toms \$4. Clara F. Barr, Westmoreland, Kan.

MAMMOTH White Holland turkeys for sale. Toms \$4. Hens \$3. Eggs in season. Mrs. Ada Poindexter, Medicine Lodge, Kan.

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SINGLE COMB WHITE LEGHORNS \$1.00. Will Tonn, Haven, Kan.

R. C. W. LEGHORN Cockerels \$1.50 each. Fred W. Cornell, Wakefield, Kan.

FINE S. C. W. LEGHORNS. Cockerels and pullets. G. Patterson, Lyndon, Kan.

CHOICE Single Comb Brown Leghorn cockerels \$1.00. Mrs. A. Anderson, Greenleaf, Kan.

FOR SALE—A choice lot of S. C. White Leghorn cockerels. Extra fine stock. Harry Givins, Madison, Kan.

ROSE COMB WHITE LEGHORN cockerels \$1 each, 6 for \$5.00. Mrs. J. B. Barmettler, Ralston, Okla.

S. C. W. LEGHORN cockerels bred from Young's New York winners, \$1.00 and \$2.00. G. W. Buck, Larned, Kan.

AMERICA'S two best laying strains of S. C. W. Leghorns, 6 for \$5. Mrs. Elsie Thompson, Mapkato, Kan., Route 5.

100 SINGLE COMB Buff Leghorns. Cockerels, hens, pullets. Prize winning stock. \$1.00 each. Chas. M. Childs, Pittsburg, Kan., Route 3.

ROSE COMB Brown Leghorns. Kulp strain, thoroughbreds. Stock for sale. Prices reasonable. Eggs in season. Mrs. Mary Miek, Ransom, Kan.

SINGLE COMB White Leghorns. Forty Ribbons last year. Exhibition and utility. \$1.50 and up. Closing out Partridge Rocks. R. W. Bradshaw, Ellsworth, Kan.

SINGLE COMB Brown Leghorns. Champions of the West. Over 300 prizes won. My quarter of a century show record is free. C. F. Lang, Box F. M. B. La Crosse, Wis.

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RHODE ISLAND REDS.

FINE R. C. RED cockerels \$1.00, \$1.50 each. Charles Sigle, Lucas, Kan.

PRIZE WINNERS. Rose and Single Comb cocks and cockerels. Lulu H. Searl, Caney, Kan.

FINE Single Comb Rhode Island Red cockerels, \$1.50 and \$2.00 each. O. C. Duprey, Clyde, Kan.

ROSE COMB RHODE ISLAND RED cockerels, thoroughbred stock. Wm. Mehl, Holyrood, Kan.

PRIZE WINNING Rose Comb Reds! Fast cks., standard size, shape, color. Mrs. Abbie Rienlets, Pratt, Kan.

THOROUGHbred S. C. R. I. Red cockerels \$1.00 and \$2.50 each; extra fine. Mrs. L. J. Loux, Scott City, Kan.

ROSE COMB REDS, \$2.00. Winners American Royal, Kansas, Oklahoma State Fairs. Raymond Baldwin, Conway, Kan.

FOR SALE—S. C. R. I. Red cockerels ready for service. Blue ribbon winners. C. W. Murphy, 1750 Mass. St., Lawrence, Kan.

50 ROSE COMB Rhode Island Red cockerels \$1.50 to \$3.00 each. Farm raised. Special price on 6 or more. O. M. Lewis, R. No. 1, Holsington, Kan.

ROSE COMB REDS exclusively, won first, second and fourth cockerel, grand sweepstake silver set for highest scoring pen, all varieties, of Pike's Peak Poultry association, Dec., 1913. Settings \$2. Fine mating list. Dr. Crooks, Colorado Springs.

100 ROSE COMB Rhode Island cocks and cockerels that have shape, color and size. Sired by roosters costing \$10.00 to \$30.00. \$1.50, \$3.00 and \$5.00 each. Good hens \$1.50 each. Pens mated for 1914 are the best we ever had. Send in your order early. W. R. Huston, Americus, Kan.

WYANDOTTES.

CHOICE White Wyandotte cockerels \$1.00 each. F. E. Mayer, R. R. 1, Marysville, Kan.

SILVER LACED WYANDOTTES, both sexes. Prices right. Mrs. Alvin Tennyson, Lamar, Kan.

GOLDEN WYANDOTTE cockerels from prize winning stock. M. M. Donges, Belleville, Kan.

WHITE WYANDOTTES. A nice lot of choice large cockerels priced right. Andrew Kosar, Delphos, Kan.

R. S. COMB Golden Wyandotte cockerels. Farm run. Exclusive raised. Guaranteed. C. Folgate, Stanberry, Mo.

FOR SALE—White Wyandotte cockerels, Keller strain. All score above 91. Mrs. I. R. Schlegel, 2103 Lincoln, Topeka, Kan.

FARM RAISED White Wyandotte cockerels; show birds a specialty; breeding males reasonably. G. A. Wiebe, Beatrice, Neb.

SILVER WYANDOTTES. Rose Comb cockerels, beautifully marked, large size, great laying strain, one for \$2.00, three \$5.00. Mrs. Wm. F. Schulz, Creston, Neb., R. 1.

COCHINS.

BUFF COCHIN BANTAMS \$2.00 per pair. Lucile Krum, Stafford, Kan.

FOR SALE—Buff Cochins. Cocks, cks., hens, pullets. Trios \$7.50 up. Also exhibition birds. J. C. Baughman, Topeka, Kan.

SEVERAL VARIETIES.

TURKEYS, chickens, geese, ducks. Emma Ahlstedt, Roxbury, Kan.

PURE LIGHT BRAHMA cockerels. Carrie A. Beckwith, Wamego, Kan.

ROSE COMB WHITE LEGHORN cockerels. Silver Spangled Hamburgs. Chas. Gresham, Bucklin, Kan.

SINGLE COMB BLACK MINORCA and Langshan cockerels, \$1.00. Enclose stamp. Sarah Peters, Nashville, Kan.

CHOICE White Langshan, White Orpington cockerels; vigorous birds, \$2.00 to \$5.00. Mrs. Chloe Brooks, Harrisonville, Mo.

KELLERSTRASS cockerels from prize winning stock \$2 to \$5 each. Eggs in season. Mrs. Edith Vincent, Jamestown, Kan.

ENGLISH PENCILED Indian Runners \$1.00 each and white Embden geese \$6.00 per pair. Mrs. E. M. Cooper, Neodesha, Kan.

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

THOROUGHbred Bourbon Red hens \$3.00, toms \$3.50. Also American Standard Runner drakes, \$1.00. Mrs. Bertha Fortney, Clyde, Kan.

PAYING 18c for turkeys, heavy hens 12, springs 12 1/2, stags 11, geese 11, ducks 13. Coops loaned free. Daily remittances. The Cope's, Topeka, Kan.

PURE BRED POULTRY. Black Langshan cockerels \$1.00. Bourbon toms \$4.00. English Penciled Runner drakes \$1.00. Mrs. Chris Knigge, Alexandria, Neb.

FOR SALE—Mammoth White Holland turkeys, mammoth Toulouse geese, White Indian Runner ducks, Barred Rock cockerels. Eggs in season. Mrs. W. U. Stevens, Paradise, Kan.

FOR QUICK SALE—Anything in Black or White Langshans. My Blacks are headed by a sire that took second prize at the Royal, 1912. Also a few thoroughbred Mammoth Bronze toms and Bourbon Red turkeys. Stock all guaranteed to be satisfactory upon arrival, or I will refund money and pay return express. Frank A. Vopat, Lucas, Kan.

Finney County Poultry Show

The Finney County Poultry association held its annual show at Garden City December 22 to 27. More than 500 birds, of almost every breed from Rocks to Buttercups were shown.

The climatic conditions in Finney county are ideal for poultry raising and the association is doing all it can to encourage this industry. The 40 cents a dozen we are getting for eggs now is quite a substantial argument in favor of having more and better chickens the coming year.

The association held its annual election of officers December 26 and these officers were elected for the coming year: President, A. L. Liston; vice president, F. M. Whitaker; secretary, Mrs. Minnie Richter.

Feeding a Flock for Eggs

Mr. Editor—I am getting eggs now and I don't feed wet mashers either. In the fall I feed green bone for a week or 10 days to get my pullets to laying. I feed kafir and wheat with a little corn mixed in and I also give them green feed almost every day in winter. I sow oats and rye and feed the oats until they are frozen, and then let them have the rye. The main thing is to put the grain feed in a litter so the hens will have to work for every kernel they get. I got 31 dozen and 10 eggs from 18 Rhode Island Red hens in January and February last year. F. L. Cairns. Winfield, Kan.

Sulphur Fumes, Roup Treatment

[Prize Letter.]

Mr. Editor—On a warm morning take some live coals in a tin can, set the can in an old pail and brace it securely so the fowls cannot upset it. Then pour 2 or 3 tablespoonsful of sulphur on the coals and shut the door, leaving the fowls in for 15 or 20 minutes. Do not try to have every draft closed up airtight, or you might smother them. After 20 minutes turn the fowls out, add more sulphur and smoke the house thoroughly, as the sulphur is also good for lice and mites. When smoking the empty house make it air tight. I find this sulphur treatment good for fowls subject to roup. It is not expensive, and is easily applied. Mrs. R. C. R. 2, Broughton, Kan.

Reliable Poultry Breeders

DUCKS.

INDIAN RUNNERS, silver cup winners. Burt White, Burlingame, Kan.

INDIAN RUNNERS. 2 pens of 6 each \$7.00 pen. Bertha Locke, Portland, Kan.

LIGHT FAWN AND WHITE Indian Runners. From 280 white egg strain. \$5.00 pair. Frank Fisher, Wilson, Kan.

MAMMOTH Imperial Pekin ducks, from prize winners. S. C. Brown Leghorn cockerels. Hulda Kearns, Girard, Kan.

FAWN AND WHITE Indian Runner ducks \$2.00, drakes \$1.00. Pure white drakes \$2.00. G. W. Skinner, Baxter Springs, Kan.

YOUNG INDIAN RUNNER Drakes for sale. Won 1st on old drake and 2nd on young duck at Kansas City, Mo. Show. Eggs for sale in season. D. J. Mackey, Pittsburg, Kan.

ORPINGTONS

GOOD WHITE ORPINGTON cockerels \$2. Mrs. Helen Lill, Mt. Hope, Kan.

GOOD S. C. Buff Orpington cockerels. Mrs. T. N. Beckey, Linwood, Kan.

BLACK AND BUFF ORPINGTON cockerels and hens. Flora Watson, Altoona, Kan.

SOME DANDY Buff Orpington roosters cheap, if taken now. H. G. Nash, Grantville, Kan.

CHOICE Single Comb Buff Orpington cockerels at \$1.50 each. Mrs. Perry Higley, Cummings, Kan.

EXTRA GOOD White Orpington cockerels \$1.50 to \$5.00 each. Eggs in season. Geo. Fisher, Custer, Okla.

PURE BRED White Orpington cockerels for sale, bred from C. E. Booth strain. A. T. Holcomb, Garnett, Kan.

WHITE ORPINGTON cockerels, Aldrich strain direct, extra fine, from heavy layers, \$3, \$5, and \$10. J. H. Lansing, Chase, Kan.

FOR SALE. 10 fancy, large, pure bred Buff Orpington cockerels \$1.50 each, if taken at once. Mrs. Walter W. Love, Mahaska, Kan.

S. C. WHITE ORPINGTONS won four firsts and special at Belleville, Kan. Have some extra good cockerels from son of first cockerel Madison Square Garden, 1911. Eggs after Jan. 1. Ed Granerholz, Esbon, Kan.

FREE NEBRASKA POULTRY CO., CLAY CENTER, NEBRASKA Will send plans and specifications of a pure air poultry house free. We breed all paying varieties of poultry, and have these houses in practical use. Address **W. F. Holcomb, Mgr.**

What It Costs to Market Eggs

The Great Expense of the Middleman and Cold Storage

BY PETER RADFORD
National Farmers' Union

WE market 65 per cent of our egg crop in April, May and June, although the consumption of eggs runs very nearly even throughout the entire year. The American farmer today is paying the middleman the princely sum of \$238,600,000 a year for storing and selling his eggs. This sum of money would build and equip sufficient storage to care for the agricultural production of the nation.

The value of the nation's egg production during a decade is equivalent in value to all the farm property in Texas. It would build a city the size of St. Louis and would pay the national debts of Spain, Japan and the United States combined.

The poultry yard census of continental United States taken by the federal government, shows that the farmers of this country gather approximately 1,591,311,000 dozen eggs a year, which sell at a farm price of \$306,688,960, and a retail

farm there has never been a week that I have not had eggs to take to market. I have customers for most of my eggs and get the best market price for them.

I feed my hens kafir, a little corn chops and keep a hopper of bran, oyster shells and grit before them all the time. I also give them charcoal and sulphur often. They have free range.

I am never bothered with mites because I fumigate the hen house every two or three months by closing all the doors and windows and burning a pound of sulphur and a gill of carbolic acid at each end of the house.

Mrs. A. E. Watts.
Independence, Kan.

When wood ashes are strewn over the hen house floor the manure will lose much of the ammonia by the mixture.

A light morning feed for the flock is best because it keeps them hustling through the day.

Let's Have Your Say

Our first issue in February will be the big Mail and Breeze Poultry Number. In years past the letters and articles direct from farm poultry raisers have been the prime factor in making these poultry numbers the most useful published by any farm paper in the country. We are counting on you again this year. To be in good time for publication all contributions must reach us before January 25. There will be a worthy prize for every worthy letter—a subscription to the Mail and Breeze, the Daily Capital, Poultry Culture, or some other good periodical. Also some good farm books have been put up in this competition, and several articles that are useful about the home or farm shop. Below are some suggested subjects but you have our permission to cut loose on any topic you may choose. And don't worry about style or grammar. Just give us the facts in your own language.

On what one item in your way of running an incubator do you think a successful hatch most depends?

What do you think is the easiest way to raise turkeys and raise them right?

How do you supply green food and meat to the flock during the season when these are not to be had on open range?

Whether hatched by machine or hen, what line of procedure do you follow to bring the greatest proportion of chicks to maturity?

How do you avoid that great slayer of chicks—bowel trouble or white diarrhea?

Describe any handy device that lightens the work of caring for the flock? A rough drawing will help.

Who has found ducks and geese to be profitable feathered stock for the farm? What of breeds and best ways of management?

Has any farm reader tried caponizing, and with what results?

Who has made use of the parcel post in marketing poultry products and what is most needed in this system of marketing to make it succeed as it deserves to?

price of \$545,289,000. These eggs, according to the market reports, are marketed about as follows:

January	47,739,000	dozen
February	63,652,000	dozen
March	65,000,000	dozen
April	302,349,000	dozen
May	318,262,000	dozen
June	270,432,000	dozen
July	79,565,000	dozen
August	143,218,000	dozen
September	111,311,000	dozen
October	79,565,000	dozen
November	47,739,000	dozen
December	64,152,000	dozen

The average farm price of eggs each year is known to be 20 cents a dozen, and the average retail price was 35 cents a dozen. The highest retail quotation at any one time and place during the year was 75 cents and the lowest price was 20 cents a dozen.

The latest census reports show that there are 15,736,038 fowls in Kansas and about three-fourths of them are egg producers. The annual production is 81,659,304 dozen eggs, with a farm value of \$13,864,360. The yearly poultry production is 24,583,465 fowls, valued at \$3,382,214.

Wyandottes Just Suit Her

Mr. Editor—For the last three years I have raised the White Wyandottes and find them a good all round farm fowl. They lay about as well as any breeds, taking it the year around, are good sellers, nice for the table, and are easy to dress. I raise from 200 to 800 a year. In 1912 I had an average of 150 hens and they laid 20,985 eggs. In the three years that I have lived on the

Health is a thing essential in the flock, and to insure health keep the poultry house clean, and use lime freely both in the house and all about the yard and runs. It will pay to be liberal in the use of lime. It is also important to have plenty of sunshine in the house.

It is poor policy to change the quarters of hens or pullets while laying, for it usually checks or stops egg production.

Good layers are great eaters. A bird must have capacity to eat and digest a great amount of food if she is to lay a great number of eggs.

Hens must be fed and fed liberally if one expects eggs in large quantities, especially winter eggs.

Poultry Show Calendar

SEND IN YOUR DATES.

- KANSAS.**
Independence, January 5-10—Secretary, L. H. Wible, Chanute; Judges, Rhodes, Snyder, Hicks, McClaskey, and Seylor.
Hutchinson, January 5-10—Secretary, W. D. Powell; Judges, Hemlich and Atherton.
Wichita, January 12-17—Asst. secretary, Mrs. H. J. Freeman; Judges, Thompson and Campbell.
Americus, January 15-17—Secretary, N. H. Landes; Judge, J. J. Atherton.
Leavenworth, January 20-23—Secretary, C. M. Swan; Judge, F. H. Shellabarger.
- OKLAHOMA.**
Durant, Jan. 9-10—Secretary
Stillwater (A. and M. College), January 12-18—Secretary, Loyal F. Payne, Stillwater.
Tulsa, January 12-18—Secretary, Mrs. Rufus White, Sapulpa.
Enid, January 26-31—Secretary, I. W. Suerich; Judges, Rhodes and Emry.

The Biggest Poultry-Profit Year

I advise all my friends to get ready now to take advantage of the greatest demand for Poultry in many years and at the highest prices. There's a big shortage in pork and beef. Poultry raisers must make up the meat deficiency. The sooner you start the longer and bigger your harvest; the bigger your money roll at the end of the season. You can't depend upon the hen to produce your chicks—she's too slow; too bothersome; too unreliable.

The Sure Hatch Incubator

Is the Ever-Ready—Ever-Dependable Chick Producer. It is strongly built of California Redwood, triple-walled, water-heated, self-regulated, economical. Guaranteed for 5 yrs. Yet my direct-to-you factory price is LESS than you're asked to pay for many poorly built machines. Poultry picks up what would otherwise go to waste on the place. It is a "pick up" for you, too.

No experience is necessary with my machine. It's so simple and absolutely self-regulating from start to finish. I guarantee my machine to maintain proper hatching conditions in a room where water freezes; and to hatch every egg that has the germ of life in it. I'm so sure that my machine will do all I claim for it that I'll send it to you on 60 days' free trial and pay the freight. You can try it at my risk. If not satisfied send it back and get your money.

FRANK HAMMOND, Pres. & Mgr.
SURE HATCH INCUBATOR COMPANY
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The incubator is Both California Redwood, 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—NOW!

Ironclad Incubator Co., Dept. 05, Wache, Wis.

\$10

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Hatching Chart and \$1.50 Hygrometer FREE with each incubator. Ask for book No. 4, "Turning Eggs into Chickens Into Dollars" and sample of world's only Hatching Chart, BOTH FREE, post-paid, on request. Send today.

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Get Our Big FREE BOOK About the "Safety Hatch" Incubator

The first edition of our interesting 1914 Safety Hatch Incubator book has just been published and is now ready for free distribution. It is filled with facts that every poultry raiser should know. It contains illustrations and complete description of all the Safety Hatch Incubators and Brooders. The Safety Hatch is unlike any other incubator on the market because it has the many needed features that you can find in no other incubator. Sanitary, safe and absolutely fire-proof. Easily and successfully operated.

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We are building up the greatest incubator business in the West because we are giving quality of an unusual degree for every dollar of the price we place on each Safety Hatch. We have hundreds of enthusiastic letters of endorsement from successful Safety Hatch operators all over the Southwest. Some of these are published in the new Safety Hatch Catalog which we want to send you free. Write for it today.

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Mr. Gragg wrote after he had taken off two 85% hatches. The grand record of the

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is built on service. You can depend on good hatches every time you fill it with fertile eggs. I build honestly, so your machine will last many years. See my 1914 Model with its 22 Special Features. Paying a higher price for other incubators will not get you a better hatcher. Send for finely illustrated 1914 catalog.

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of lameness affecting a horse. It's a powerful remedy that goes right to the bottom of the trouble and cures the lameness in just a few days while the horse is being worked as usual. Contains nothing that can injure the horse and heals without leaving scar, blemish or loss of hair. We have deposited \$1,000 in a local bank which must be forfeited if we fail to do as we say.

If you are not absolutely sure what causes the lameness, mark with an "X" on horse above where lameness occurs, tell how it affects the gait and give age of horse, and send to us. Our expert graduate veterinarian will tell you what it is and how to cure it.

Your druggist will obtain Mack's \$1,000 Spavin Remedy for you if you ask him. If for any reason you can't get it, write us. We will see that you are supplied. Ask for instructive free book "Horse Sense."

\$5.00 Per Bottle **Mack's \$1000 SPAVIN REMEDY** **It's Worth It**
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Animal Ailments and Cures

Replies to Inquiries From the Mail and Breeze Readers

BY DR. F. S. SCHOENLEBER
Veterinarian Kansas Agricultural College

Unthrifty Colt.

I have a colt that has been alling since birth. Its joints are now enlarged and it seems to be getting worse all the time. Is this navicular disease and can anything be done for it?—A. E. S., Anderson county, Kansas.

The enlarged joint of your colt is undoubtedly due to infection through the navel at the time of birth, producing a disease known as joint ill. The condition is incurable and colts thus affected are usually very unthrifty. If the colt continues to live, the chances are that it will never make a very valuable animal.

Bloated Calves.

Can you tell me what is killing my calves? I turned them on wheat and they bloated—some of them dying in 20 minutes after the bloat set in. They are about 8 months old. I also lost two yearling steers of the same disease.—W. S., Ellsworth county, Kansas.

Your calves have simply become bloated as a result of eating the wheat and the bloat presses on the lungs, causing them to suffocate so that death results in a very short time. You should prevent this by not pasturing the wheat. As soon as you notice a calf bloated, you should administer a tablespoonful of turpentine in about a cupful of milk. If the bloat is very bad the animal should be tapped on the left side.

Swelling on Jaw.

One of my young cows has a hard, bony swelling on her upper jaw about midway between the eye and point of nose. It is about twice the size of an egg and sometimes a small dry scab forms on it. Could this result from a decayed tooth?—C. D. S., Elkhart, Kan.

It is possible that the lump on your cow's face is the result of either a decayed tooth or it may be in the nature of lumpy jaw. Treatment in the former case would consist in the extraction of the tooth, while if it is lumpy jaw, the internal administration of 2 drams of iodide of potash daily may effect a cure. If the iodide of potash causes a scurfy skin, watering from the eyes or loss of appetite, you should reduce the dose one-half.

Fatal Calf Malady.

(1) There is some strange disease killing my calves. They are on wheat pasture and may be all right in the morning, but all of a sudden will run around in a circle, fall down, get up and repeat. They foam at the mouth, break out in a sweat, and act as if crazy but do not bloat. They die a hard death.

(2) I also have some pigs about 3 months old that drag their hindparts about at times. They stagger when they walk. They have the run of wheat pasture and we feed them ground rye sloop and milk. Our veterinarian cannot tell what to do for them.—E. L. F., Sumner county, Kansas.

I cannot tell you what the trouble is with your calves or pigs, but I am strongly inclined to believe that it is some infectious disease. It will require a postmortem examination to determine the exact nature of the trouble. A competent graduate veterinarian, if permitted to make such an examination, could undoubtedly arrive at a diagnosis and suggest treatment.

Rickets in Pigs.

I would like to have you tell me what is the matter with my pigs. They snort when they breathe and act as if they were stopped up. They are purebred Durocs and are in good condition otherwise.—R. V. P., Stephens county, Oklahoma.

Your pigs are affected with a disease known as snuffles which is a form of rickets, the latter being a bone disease due to the deficient amount of lime salts in the food. The condition may have progressed so far in your pigs that the bones of the face are completely and thoroughly deformed. I would suggest, however, that you administer the following remedy:

Calcium phosphate 2 ounces
Powdered nux vomica 2 ounces
Artificial salts enough to make... 1 pound

This should be mixed and given to the animals at the rate of a tablespoonful for every 100 pounds once daily.

Bog Spavin.

Some time last August one of my horses had had swellings appear on both hind legs at the hock. I thought it was snake bite but it may have been due to an accident as he was running in a pasture crossed by a rocky ravine. He did not get very lame and in about a week the swelling seemed to go down except in the bogs and a bunch lay down on the anterior surface of the long bone below the hock. The bogs are

still puffed and rubbing will make them go down but another will immediately form on the other side of the hock joint. Later they return to the bogs. Can you tell me what this is?—W. E. H., Linn county, Kansas.

If I understand your letter correctly your horse has puffy swellings of the hock joint. This is probably a bog spavin due to a strain and it is frequently difficult to remove these. I would suggest that you apply the following mixture with a stiff, bristled brush once a day.

Powdered gum camphor..... 4 drams
Resublimed iodine 4 drams
Alcohol sufficient to make 4 ounces.

Glanders Symptoms.

Several of my horses have swellings on them that are hard for several days and then they break, and there is a discharge of pus of a creamy color. On one colt the swelling appeared on the side of the neck, one of my mares has one on each side of her breast, and another horse has one on her hip. Neighbors have lost horses and they think deaths have resulted from this same cause. What is your opinion?—C. F. E., Beaver county, Oklahoma.

It is possible that your horses are merely suffering from strangles, but as a general rule this is not fatal. On the other hand, glanders closely resembles strangles in its symptoms and is a deadly disease. In order to clear up this point, I would suggest that you have a competent, graduate veterinarian make a mallein test which will disclose glanders if it is present. It is to be borne in mind that glanders is also contagious for man.

Caked Udder—Worms.

(1) One of my cows that freshened two months ago had a caked teat and this has not entirely disappeared yet although I have tried several remedies.

(2) I also have a colt that has not made any headway for six months. She shows no life and seems to be lying down most of the time. I gave her a physic several times and she passed a few worms. What is your advice on these cases?—R. L. M., Jewell county, Kansas.

(1) Regarding your cow; I am of the opinion that it will be difficult to relieve a caked udder as it has existed for such a long time. Rubbing the affected part thoroughly with melted lard once or twice daily may be of value.

(2) It is possible that your colt is affected with worms and you should give this animal a mixture consisting of 1 ounce of turpentine in 1 pint of raw linseed oil. This should be given once a week about an hour before the morning meal. This will probably remove the worms. As a general tonic for this colt you should use the following mixture in the feed: Powdered nux vomica, 2 ounces, reduced iron 2 ounces, powdered ginger root, 2 ounces and enough flax meal added to make 1 pound. The colt should be given a tablespoonful of this mixture morning and evening.

He Dug a Pit Silo

In a recent issue of the Mail and Breeze you asked for a report from some one who had a pit silo, as to the cost of making it. I dug one last August 14 feet in diameter and 20 feet deep. I hired one experienced well digger at \$2.50 a day, and counting my own work and two other men at \$2, also a boy at 50 cents to drive the horse, making a total of \$9 a day for seven days, or \$63.

I cemented this silo two coats of two parts sand, one of cement and made a collar at the top of five to 1, 8 inches wide and 3 feet high, using 26 sacks of cement at a cost of \$14.30 or a total of \$77.30.

By some exchange work, and not counting my own labor, my actual cash outlay was less than \$50. If I should dig another I believe it could be done for considerably less because of the experience I had with this one. I have not used the silage yet, so should like to hear of a handy device for raising it without a horse.

Ray Schoeni.

Kensington, Kan.

Keep the lima beans gathered as fast as well filled, and do not let them ripen as that will check the bearing later. The green beans are to be shelled and dried for winter use.

SAVE-THE-HORSE BOOK FREE

Why We Make a Contract to Cure

Mr. W. O. FRALEY, 503 Fisher St., Salisbury, N. C., Mar. 27, '13, writes: I used 2 bottles and cured two horses and one pony of bone spavin two years ago and they are sound as a dollar.

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Mr. H. G. PUTNAM, dealer in Coal, Danvers, Mass., Oct. 6, '13, writes: Four years ago I sent for Save-the-Horse for thoroughpin and made a cure. The horse has done a good day's work almost every day since on coal wagon.

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OUR LATEST Save-The-Horse BOOK is our 15 Years' Discoveries—Treating Every Kind Ringbone—Thoroughpin—SPAVIN—and ALL—Shoulder, Knee, Ankle, Hoof and Tendon Disease—Tells How to Test for Spavin; how to locate and treat 58 forms of LAMENESS—Illustrated.

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Druggists everywhere sell Save-The-Horse WITH CONTRACT, or we send by Parcel Post or Express paid.

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THE MAIL AND BREEZE, Topeka, Kan.

Modern Housing for the Cows

Some Facts About John Perrenoud's Dairy Barn on the "Neosho Breeze Stock Farm" Near Humboldt, Kansas

MODERN dairying with its approved methods, and time and labor saving equipment, is moving westward. That it has reached Kansas has been made evident through various recent developments. Foremost among these is constantly growing demand for good cows—both purebreds and grades—and fancy prices are not proving the stumbling block they once did.

Such barns and dairy equipment as that of John Perrenoud near Humboldt, Kan., is another sure sign of the movement toward better and more modern methods in dairying. Equipment like this was to be found only in states farther east or north, until two or three years ago. It is not uncommon in Kansas now but every year is seeing more of it coming into the state.

Mr. Perrenoud made a trip to Wisconsin in 1912 where he got his ideas for the barn and its equipment. The main structure is 34 by 64 feet in size and 19 feet to the eaves. The silo is at the

rear end of the barn. The milk room, 12 by 18 feet, is built around the silo. Cork brick is used for the flooring under the cows. The James spring, galvanized steel mangers, and steel stanchions were installed. There is also a litter carrier to simplify the work of keeping the barn clean. A special pen is provided for the bull, and the calves have their own pens. In the feed room is a hopper grinder and an elevator to carry the feed to the bins. The mow will hold 125 tons of loose hay.

Winter Feeding For Milk

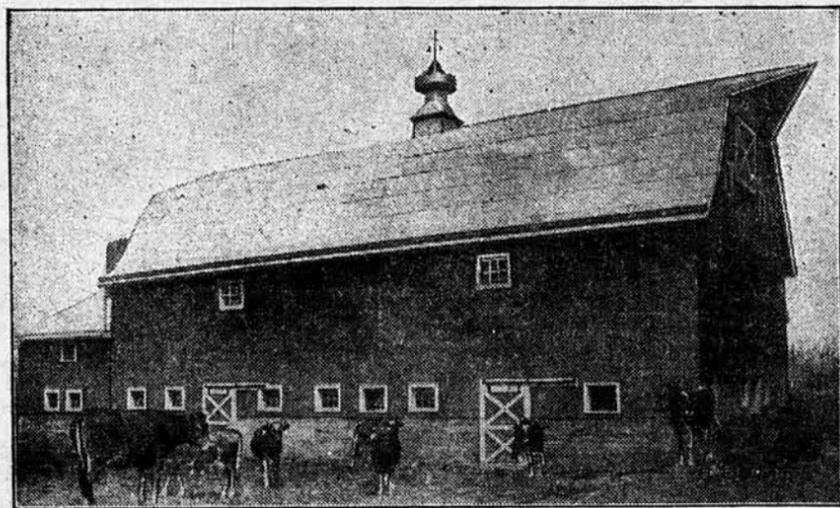
Mr. Editor—I have six cows this winter. I feed each of them about 1 gallon of oats and corn chop mixed, twice a day and with this grain, silage or chopped beets of some kind. This makes a very good feed, with plenty of alfalfa hay night and morning and a feedlot with corn or kafir fodder to turn them in through the day. They must also have plenty of water. My cows give a lot of rich milk and the feed does not cost much either.

No address. Edward Markel.

Colorado Cow Keeping Ways

[Prize Letter.]

Mr. Editor—In this part of the country we have the best success in dairy-



Good stock and good housing go together. The Perrenoud dairy barn near Humboldt, Kan.

ing with a medium sized herd of cows. We keep the cows in a dry lot the year around as there is very little milk in buffalo grass. We are now feeding good alfalfa hay finely ground, corn chop, and bran. We have had very good results in feeding stock beets but if fed more than once a day they seem to scour the cows considerably. Our cows are grade Holsteins weighing 1,200 pounds or more. Seventeen head are producing 60 gallons of milk daily which we think is a fairly good showing. Carl Corder, R. F. D., Denver, Colo.

The milk house is provided with a wash room and water works system, the pressure being obtained from a compressed air tank. Of course, a cream separator is used, the power being furnished by a gas engine. This engine also operates the grinder, elevator, and furnishes pressure for the compressed air tank.

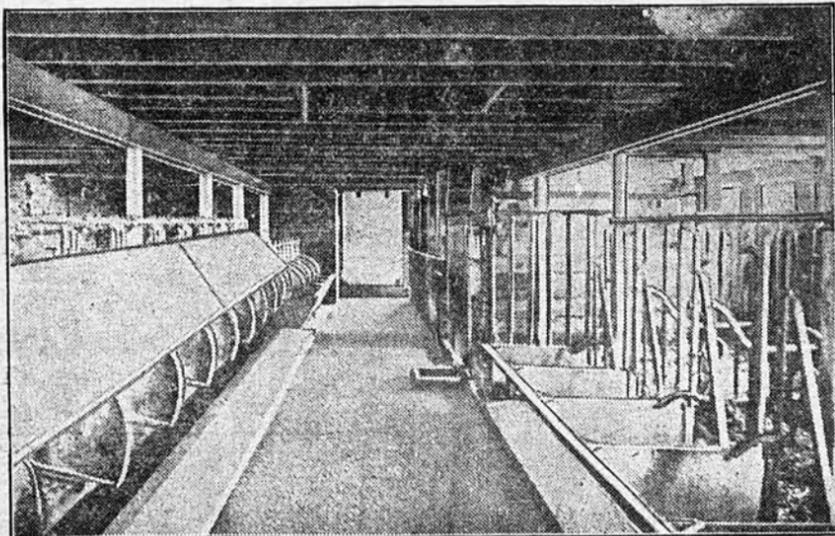
The class of stock Mr. Perrenoud raises is in keeping with the equipment he has for housing and taking care of them. He is a breeder of Guernsey dairy cattle, Duroc-Jersey hogs, and Buff Leghorn chickens. As a further evidence

ing with a medium sized herd of cows. We keep the cows in a dry lot the year around as there is very little milk in buffalo grass. We are now feeding good alfalfa hay finely ground, corn chop, and bran. We have had very good results in feeding stock beets but if fed more than once a day they seem to scour the cows considerably. Our cows are grade Holsteins weighing 1,200 pounds or more. Seventeen head are producing 60 gallons of milk daily which we think is a fairly good showing. Carl Corder, R. F. D., Denver, Colo.

He Would Keep Cows

I should like to get some cows to keep for a share of the increase. Clarence M. Sidesinger, Allison, Kan.

An old boot top will make a good muzzle for the self sucking cow. Slit the top open and rivet a piece of the proper size to the nose piece of the halter. The offender can eat or drink just as well but cannot take her own milk.



Interior of the Perrenoud dairy barn, fitted with steel stanchions, cork brick floor, litter carrier, and water works system.

There's no good reason why you should wait till spring before getting a

DE LAVAL

ON the contrary you may buy a De Laval Cream Separator NOW and save half its cost by spring. If, for any reason, you can't conveniently pay cash you can buy a De Laval on such liberal terms that it will actually pay for itself.

AS to your NEED of a separator, if you have the milk of even a single cow to cream you are wasting quantity and quality of product every day you go without one. This waste is usually greatest in cold weather and with cows old in lactation, and it counts most, of course, when butter prices are high. Then with a separator there is always the sweet, warm skim-milk and saving of time and labor, in addition.

WHEN it comes to a choice of separators De Laval superiority is now universally recognized. Those who "know" buy the De Laval to begin with. Those who don't "know" replace their other separator with a De Laval later—thousands of users do that every year. If you already have some other machine the sooner you exchange it for a De Laval the better.

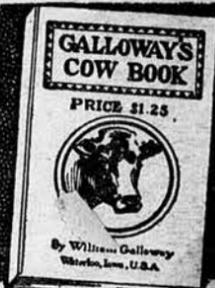
WHY not start 1914 right in dairying? SEE and TRY a DE LAVAL NOW when you have plenty of time to investigate thoroughly. The nearest DE LAVAL agent will be glad to set up a machine for you and give you a free trial.

THE DE LAVAL SEPARATOR CO.

NEW YORK CHICAGO SAN FRANCISCO SEATTLE

I Want To Send You

This Valuable Cow Book Free!



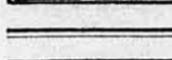
Positively the only book of its kind ever written. A complete Manual of Dairying for the modern business farmer giving ALL of the best, modern, scientific dairying methods in clear, plain English. No theories—just the sound, practical money-making facts that every cow owner should know. This book is priced regularly at \$1.25. FREE to you if you only write at once.

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I want to tell you how you can get the very latest and greatest product of the great Galloway factories—the wonderful Galloway Sanitary Separator—shipped right to your farm for 90 days' absolutely free trial. Unquestionably the most liberal separator offer ever made. I'll even pay transportation charges both ways if you think you can get along without this wonderful machine after the FREE trial. Send at once.

Special 1914 Offer: I want to tell you, too, how you may actually get one of these wonderful, new separators either partly or entirely without cost. No soliciting or canvassing. Just write me a postal or letter get my big, money-making Cow Book and catalogs—all FREE.

Wm. Galloway, President
WM. GALLOWAY CO., 43 Galloway Sta., Waterloo, Iowa



Fills Your Silo Quickly With Less Power and Labor

You can operate this machine with a 4 h. p. gasoline engine. It's the highest running blower type of ensilage cutter made—The throwing, blowing, lifting force carries the ensilage in a steady full stream rapidly up into the highest silo without waste of power. The ensilage packs perfectly and keeps sweet and succulent. The

PAPEC ENSILAGE CUTTER is easy to set up and take down. Simple in construction, not easy to get out of order. The entire frame is one solid piece of semi-steel. The bearings are always in line, run smoothly and will not heat. The feeding mechanism is geared to the main shaft—always gives you the desired length of cut. The Papec Ensilage Cutter is not chain driven, but has heavy gears which transmit all the power. It cuts ensilage perfectly and swiftly—as fast as you can bring the corn to the machine.

Write for Illustrated Catalog. Send today for this book. It shows how The "Wonderful Papec" cuts ensilage with less power, time and labor. 25 convenient distributing points in the U. S.



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The World's Best Eveners Help to Stop Your Farm Leaks

Heider 2, 3, 4, 5 and 6-horse eveners on the market 12 years. Often imitated but not equalled. The Heider 4-horse plow evener works 4 horses abreast on gang, sulky or disc plow, one horse in furrow, three on unplowed ground. Heider 3-horse wagon evener for wagon, manure spreader, grain drill or other implements with pole.

HEIDER EVENERS are the means of many short-cuts in farming. They save time, labor and horses, consequently make you money. The Heider line is complete and manufactured in the largest evener factory in the world and is no experiment. They are made right by expert workmen, of best material and fully guaranteed. Why take chances with the ordinary kind when you can get the best? ASK YOUR DEALER for Heider Eveners. If he has none in stock, write us for free circular showing entire line and we will tell you where to get them. Address

Heider Mfg. Co., 130 Main St. Carroll, Iowa

Write For Free Circular Showing Full Line

Through the Farmiscope

Verse and Humor for the Mail and Breeze Family

BY ARTHUR CHAPMAN
(Copyrighted.)

First Aid to the Farmer.

SOMEbody's always ready to advise the son of toil
Who wrests his daily living from the ground;
He's always being lectured on how to till the soil,
And "How-to-Farm-It" treatises abound.
He's scolded 'cause he doesn't carry with him, in his coat,
Professor Nix on cultivating corn;
His ear should be attuned to catch the scientific note,
Nor strained to hear the distant dinner horn.

There's someone always ready to tell the man who farms
He never does a thing the way he might;
A lecturer informs him that he might enhance life's charms
If he'd only choose his furniture aright;
He should have a mission stable, and a corner crib Gothic style,
His chicken coops should all be modern Swiss;
He should be at once artistic, and a scientist the while,
And country life would be a dream of bliss.

There's someone always ready to advise the farmer chap—
He's the prey of all the men who talk and write—
But it's lucky for the rest of us he doesn't give a rap
And he never argues back, nor starts a fight;
He goes his way in silence, and he reaps the crop he sows,
And the world lives on in comfort through his toil;
Nor praise nor blame shall matter, as on his way he goes—
The only man the critics cannot spoil!

Says the Old Cowman:

"If scolding ever got anything the prairie dog'd own all creation by this time."

At the Poultry Show.

Optimo: "This hen is valued at \$800."
Pessimio: "But I'll bet she'll act as foolish as an 80-cent hen when she sees an automobile coming."

The Obstacle.

I'd like to go back to the soil,
Where some farm needs a taker;
What keeps me from it's not the toil—
It is the price per acre.

Cooking Trout.

"To cook trout, first roll in Indian meal," says a new cook book. Sounds more like a fat-reducing exercise.

Man's Friend, the Cactus.

"I see," said Colonel Beanfugle, "that Luther Burbank says it is possible to make automobile tires, whitewash, paint and mucilage out of the spineless cactus, besides using that plant as cattle feed. I can see the time coming when a man who has a few cactus plants in his back yard is going to live a life of ease. These friendly and energetic plants will relieve the individual of all sorts of drudgery. They will cook, wash the baby, do plain and fancy sewing, start the kitchen fire, empty the ashpit, shovel snow from the sidewalks, water the lawn, shove the lawn mower, and, in short, perform all the menial tasks that keep humanity from soaring into the realms of purely intellectual accomplishment. Put me in mind of it to order one medium-sized cactus, that is willing to work, and has a cheerful disposition, when I go down to the postoffice today. One of the kind Luther is training even ought to be able to keep our automobile in repair."

The Searchers.

Just a-looking for a homestead—want to start right from the soil;
Want to see a ranch house risin' as the product of our toil;
Want to see the prairie cover turning, wave-like, from our plow—
Want to consecrate our homesite with the sweat from off our brow.

Just a-looking for a homestead—want to drive our homesteads deep;
Want to know that on our acres we shall sow and likewise reap;
Want to feel a thrill at evening when the sunny day is done,
And we look upon the progress that our hours of toil have won.

Just a-looking for a homestead, where the city's roar ain't heard;
Want to work cheered by the trillin' of some happy prairie bird;
Want to see a house-light gleaming, where no lamp shines forth tonight;
Just a-looking for a homestead, where we'll face the big world right.

Hurrying Matters.

"I suppose," said the falling aviator, "this is what the agricultural editor would call a back-to-the-land movement."

These Institutes Were Attended

BY P. E. CRABTREE.

Under unfavorable weather conditions Lee H. Gould, of Dodge City, and myself, started out recently on a farmers' institute circuit in south-central Kansas. Mr. Gould is the state-government-Santa Fe district demonstration agent for southwestern Kansas. He is a graduate of the Kansas Agricultural college, and a farmer of much experience. Our first meeting was at Cunningham, with a severe wind and rainstorm raging the entire day. Owing to the opera house being roofless, the principal of the high school kindly gave us the assembly room, and with all the pupils from the eighth grade up, together with the more courageous and energetic farmers of the neighborhood, we held a successful meeting, with an attendance of 1,300.

A two-day meeting was held at Norwich, the train landing us there too late for a forenoon session the first day. Seventy-three enthusiastic persons were present in the afternoon, and participated in the program so well that it resulted in an attendance the second day of 198 persons. The next day was Sunday, and we had the pleasure (?) of floating down the "Englewood Branch" to Ashland, at a speed of 10 miles an hour, while running. The country on either hand put on an "Everglade" appearance, as there was water everywhere. The first day Ashland sup-

plied us with an audience of 225 farmers, and the next morning we were invited to address the high school, where we met 112 young people. The attendance the second day aggregated 387, making a total of 612 for the two days.

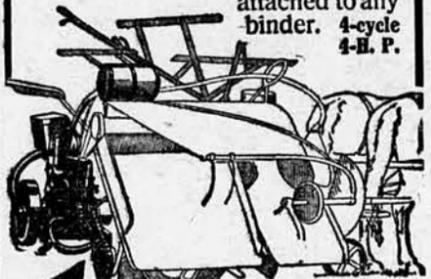
We next stopped at Protection for a one-day meeting where we got a rousing reception, including good school interests. This completed the day's work with an attendance of 784. Coldwater came next, receiving us at the high school both days, and breaking all previous records in attendance. There was an attendance of 115 the first forenoon, 475 the first day, and a total of 890 for the two days. A stock judging demonstration was given on the street at 1:15 each afternoon.

We closed the three weeks' work with a good two-day meeting at Kinsley, where the farmers are always strong on local program, deep personal interest and previous preparation; three things essential to the success of an institute. A stock judging demonstration was conducted.

Wheat pasture is very good in the section we covered. It is regrettable that so few of the farmers now make an attempt to balance carbonaceous feeds with a definite amount of the oil cakes that would make them more largely digestible. The people throughout this territory are prosperous and hopeful, and look forward with unflinching confidence in Nature's promise of large crops the coming year.

Save a Team During Harvest — Run Your Binder with 2 horses and a Cushman Engine

Better than 4 horses with the engine. Team simply draws machine. Engine does all operating. Sickle never stops when bull wheel skids. Easily attached to any binder. 4-cycle 4-H. P.



Weights Only 167 pounds

Quickly detached for any other farm power work. Delivers full 4 H. P. Speed changed while running. Has patented clutch pulley with sprocket for chain drive to double sprocket on binder. Schebler Carburetor. Also 2-cylinder 6-H. P. up to 20-H. P. heavy duty, light weight specialty farm engines. State size wanted.

CUSHMAN MOTOR WORKS
2030 N. St., Lincoln, Neb.

Farm Cushman The Original Binder Engine

FARM SEEDS

Pure Alfalfa, Clover, Timothy, Marquis spring wheat, Corn, Sweet Clover are always "Galloway Hi-Quality" brand. Guaranteed pure. My new, big, free Pure Seed Book for 1914 is packed with pictures, methods of advanced planing, profitable big crop information. Lowest prices on field, garden seed, plants, shrubs and trees. Tells about "NITRAGEN," the seed inoculator that makes big, heavy stands of Alfalfa, Clover and all legumes. BROS. BOWMAN CO., 44 Galloway St., Waterloo, Iowa.

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88 8th Street, Waterloo, Iowa

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Get into business for yourself, selling Lange Household Specialties direct from wagon to home. Big demand, handsome profits—steady, healthful work—better sales every trip. You furnish horse, we supply rig on easy terms. Previous experience not needed. Our contract beats all others three ways—let us tell you how. Fine territory is now open for 100 more hustlers. If this looks good to you, write us today. E. A. LANGE CO., Department, P, DE PERE, WIS.

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Send just 25c to pay for a one-year new, renewal or extension subscription to our big home and story magazine—entirely free extra for mailing, 80c in all—and we will send you by return mail this very fine 14K gold filled heavy band ring. Address Household, 12 Capital Bldg., Topeka, Kan.

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Tells you how to make baits at trifling cost—helps you catch more furs and make more money—illustrates traps at factory prices. Also ask for our fully classified price list. Contains facts and figures that you need. Mailed to you regularly.
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We positively pay the prices we quote and remit cash in full the same day shipment is received. No commissions; no under-grading. "Rely on Lyon." It pays. Write today.
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HIDES FURS
No. 1 Salt Cured Hides.....14 1/2c lb.
No. 2 Salt Cured Hides.....14 1/2c lb.
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Honest weights, highest prices, and no commission. Your check sent same day shipment arrives. This company has been highest in favor for 45 years. Ship today or write for free price list and tags.
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BEST TAN
We can guarantee "Best Tan" because there is no guesswork in our business. Our laboratory and chemist enables us to treat each hide specially to its needs, and to make it soft, pliable and durable. Get your hide "Best Tanned"
Fashions Free
This catalog shows the latest styles in furs. Another book "A Trip Through a Modern Tannery" illustrates how "Best Tan" is made, and why it is best.
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HIGHEST PRICES AND HONEST GRADING!
Ship your hides and furs to me. I charge no commissions and remit promptly same day shipment is received. Satisfaction guaranteed on every shipment. Let me tan your cow or horse hide for a robe or coat. Write today for FREE CATALOG—PRICE LISTS AND SHIPPING TAGS.
G. W. SWINGLE, 323 S. 9th St., Lincoln, Neb.

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WHY PAY FOR GASOLINE WHEN WIND IS FREE!
Get a Big, Heavy, Powerful, Light Running, Double Geared
SAMSON WIND MILL
SEND FOR CATALOG
We also build Ideal Feed Mills, Pump Jacks, Hand Grinding Mills for Poultry Raisers, Gasoline Engines, Ensilage Cutters and Brass Candle Sticks
STOVER MANUFACTURING COMPANY
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10 DAYS FREE TRIAL
We ship on approval without a cent deposit, freight prepaid. DON'T PAY A CENT if you are not satisfied after using the bicycle 10 days.
DO NOT BUY of tires from anyone at any price until you receive our latest art catalogs illustrating every kind of bicycle, and have learned our unheard of prices and marvelous new offers.
ONE CENT is all it will cost you to write a postal and everything will be sent you free postpaid by return mail. You will get much valuable information. Do not wait, write it now
TIRES, Conster-Brake rear wheels, lamps, sundries at half usual prices.
Mead Cycle Co., Dept. G121 Chicago

Aggies Condemn the Board

Shawnee County Ex-Students of the Kansas Agricultural College Believe the Farmers' Big School Is Being Injured

THERE is much discontent among the members of the alumni of the Kansas Agricultural college about the way the school is being managed by the state board of administration. Many of the graduates of the Kansas farmers' big school believe that there is considerable danger that the efficiency of the college will be destroyed. This was forcefully shown at a meeting of former K. S. A. C. students in Topeka and Shawnee county last week, at which resolutions were adopted condemning the actions of the board.

The immediate cause for the meeting of the ex-students was the discharge of Custodian W. R. Lewis, with no reason given for such action other than that his successor had been appointed. Mr. Lewis is well liked by the graduates, and he has been very efficient for the last 14 years in caring for the 2 mil-

ly known to the student body, generally was acknowledged to have been efficient, loyal and trustworthy. Many of the graduates worked under him on the janitor force at Manhattan—a large per cent of the graduates of the Aggie school worked their way through college. These resolutions were adopted.

Whereas, It has become painfully apparent that the change in the management of the state's higher educational institutions, as it is being carried out by the present board of administration, has had the deplorable effect of throwing the state schools into the turmoil of politics with its attendant evils and impairment of efficiency, and

Whereas, The work of this board at the Kansas State Agricultural college has already done incalculable damage to this institution and to the state's greatest industry—agriculture—not only by the removal of capable men and women, but through the resultant unsettled condition of affairs which has caused and will cause many others to leave while at the same time keeping competent persons from coming to the institution, and

Whereas, The latest act of the board, the uncalled-for and indefensible removal of Custodian W. R. Lewis, a faithful employe of fourteen years' standing, who has more than done his duty in taking care of approximately two million dollars' worth of the state's property, and against whom no charge of incompetency has been made; therefore, be it

Resolved, By the K. S. A. C. Alumni association of Topeka, Kan., that we favor a concerted action on the part of all alumni, former students and friends of the Kansas State Agricultural college looking toward the repeal of the law creating said board of administration at the next session of the legislature, or the appointment of competent persons as members of the board who are in sympathy with the great work the Agricultural college is doing and which the state expects it to do, and who will give the one-board plan of management a fair and impartial trial as it deserves, without playing politics, and be it further

Resolved, That we, in the absence of specific charges, condemn as wholly unwarranted and unfair in the extreme, the dismissal of Custodian Lewis for no other than political reasons.

The meeting of the Topeka alumni association at which the resolutions were passed was presided over by W. A. Turner, of the Topeka city schools, the president of the Topeka branch. Among those who spoke in favor of the resolutions were: J. Tompkins, assistant superintendent of the Continental Creamery company; E. G. Gibson, assistant city engineer of Topeka, and Jack Garrity, with the Santa Fe. It is known that other branch alumni associations in Kansas are planning to meet and consider the inefficient management which the farmers' school is receiving. The Topeka organization is one of the stronger associations; there now are about 150 members.

A Road Hint for Kansas

The people of Illinois build roads. The men who have the means have a way of helping which is certainly encouraging. The road shown in this picture was recently finished with material which was practically free. The cement was given by the Marquette Cement Co., the Chi-

For the Boys

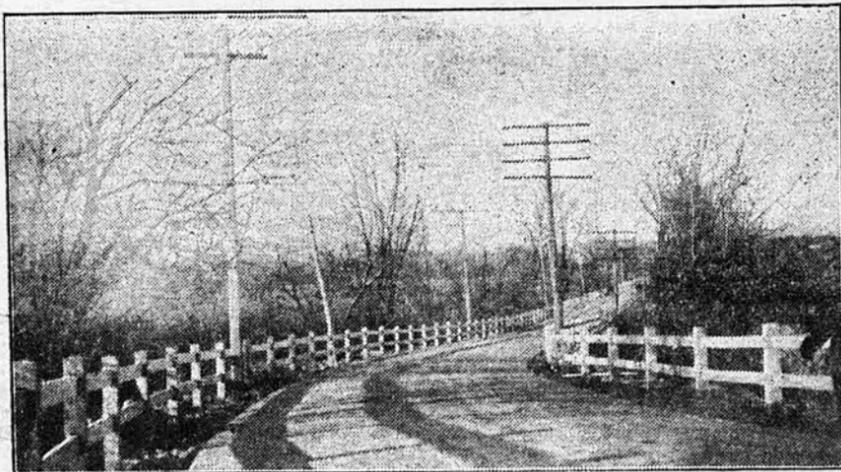
We wish the boys to look in this issue for the first article by W. Clement Moore. It is just a little bit "preachy," but that's because it's addressed to your father. "A Little Sermon for Dad" is only a starter, a sort of getaway piece to introduce Mr. Moore and put him right with the old folks. There'll be something livelier next week. Just you wait.

And don't forget we're going to have things right along now for you boys. When Mr. Moore isn't with you we'll have something equally interesting so that you'll fall into the habit of reading the Mail and Breeze as faithfully as your father and mother and all other sensible persons read it.

lion dollars' worth of property in his care. The members of the alumni do not approve of the political ideas of a board that would remove a man who has served Kansas so efficiently.

Sixty Have Resigned.

It was pointed out at the meeting that the course which is used by the board will wreck the Kansas Agricultural college unless it is changed. About 60 members of the board of instruction have resigned since the new board took charge, many of them going to other states where they will be safe from politics. One of the main things the alumni association is especially concerned about is that the farmers are not represented on the new board. Not a



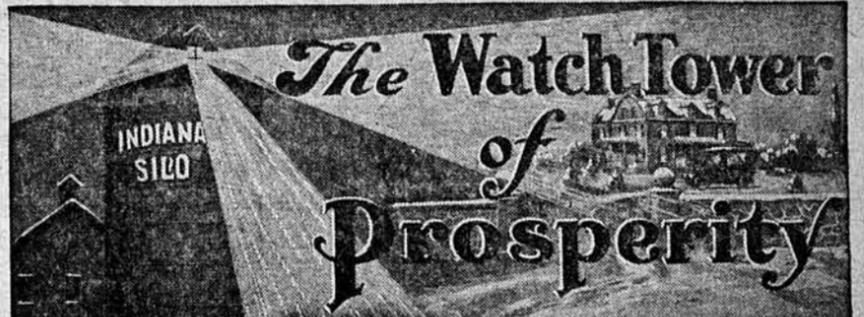
Are There Any Philanthropically Inclined Cement Makers in Kansas?

member of the board has ever had any active connection with Kansas farming; of the two men on the board, one is a country newspaper publisher and the other is a lawyer.

While much bigger men than Custodian Lewis have left the Agricultural college as a result of the actions of the new board, it was his apparently unwarranted removal that proved the last straw. "Old Lewis," as he was familiar-

ly known to the student body, generally was acknowledged to have been efficient, loyal and trustworthy. Many of the graduates worked under him on the janitor force at Manhattan—a large per cent of the graduates of the Aggie school worked their way through college. These resolutions were adopted.

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The INDIANA SILO is the Watch-tower that marks the advancing line of progress in agriculture. It stands like a beacon light to the farmers and points the way of safety to those whose course to independence is beset by crop failures and high price feed. The

INDIANA SILO

is the easiest silo to erect and keep in order. The mechanical features found only on the INDIANA SILO make it the best silo to be had. Dollar for dollar it gives the greatest services of all silos and if used according to our instructions it will last a lifetime. It increases production; it lessens labor and doubles profits. It is not an experiment. It

Get ready to build a silo for 1914. We have a special EARLY BUYERS' Proposition which will be of interest. A new book by Benjamin Quod, "The Watch Tower of Prosperity" our new catalog and other literature will be mailed free upon request. Write for them today. Address nearest office.

is not sold on promises but on the strength of its own past performances. More INDIANA SILOS are in use on American stock farms than of any other make.

The contents of an INDIANA SILO are never endangered as the INDIANA SILO never gives trouble while filled.

The INDIANA SILO is not affected by the settling or cracking of foundation; there is no danger of cracked or bursted walls. Wood is a non-conductor and no loss results through improper curing through lack of heat or absorption of the juices.

The present high price of feed stuff and of live stock makes it imperative that the farmers of America conserve the wealth which their acres produce.

THE INDIANA SILO CO.

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Stannard's Processed Crude Oil Kills Lice and Cures Mange.

One application of my Processed Crude Oil will do more to rid your stock of lice and cure them of mange than three applications of any other preparation on the market, for the reason that it kills the nits as well as the lice, and remains on your stock for so long that it thoroughly cures them of mange. Put up only in 52 gallon barrels, and sold for \$5.00 per barrel. Why pay \$1.00 per gallon for a dip when you can get the best for less than 10c per gallon? My PURE CRUDE OIL is an excellent lubricant for all kinds of farm machinery and for painting farm tools to keep rust off. \$4.00 per barrel of fifty-two gallons. See my advertisement of refined oils at wholesale prices in next week's issue. Send cash with order. Address C. A. Stannard, Box M, Emporia, Kan

"My Father Put Up That Fence"

—Years Ago.

"SQUARE DEAL FENCE LASTS." Many a young man can look back to the time when his father put up a "SQUARE DEAL" FENCE. They are in evidence today on hundreds of farms. SQUARE DEAL Fences are time-tried and time-tested. They have proven that the SQUARE DEAL LOCK, the one-piece Stay Wires, and the Wavy Strand Wires produce lasting qualities unknown in other fences. We make the wire and we make the fence. We know that it will pay you to investigate SQUARE DEAL Fence, and find out how it is made and why it will cost you less.

Square Deal Fence

Outlasts All Others

—because of its unusual construction. The SQUARE DEAL Lock grips the stay wires above and below each strand wire. The wavy strand wires keep the fence trim and tight summer or winter. The Stay Wires prevent sagging or bagging. They cannot spread. Hogs or pigs cannot lift SQUARE DEAL Fence and crawl under. Any sudden pressure or impact is distributed over a large surface. Knots are smooth and cannot hold water or gather rust. In every rod of SQUARE DEAL Fence there are 33 up-right stay wires six inches apart, extending from top to bottom of fence and each stay wire acts as a post. Costs less for posts. Fence lasts much longer, looks better. Stock cannot break through or get under.

FREE—To every farmer or land owner who wants to learn more about SQUARE DEAL Fence, we will send our SQUARE DEAL catalog and dealer's name and ROPP'S NEW CALCULATOR—worth its weight in gold FREE. Ropp's Calculator will give you the answer to any business problem that arises on the farm. Full of information that will interest. Write today for these free books.

KEYSTONE STEEL & WIRE CO.
1128 INDUSTRIAL STREET
PEORIA, ILL.

With the Farmers at K. S. A. C.

The Keenest Interest Was Shown By Men and Women

BY TURNER WRIGHT
The Farmers Mail and Breeze

FROM the standpoint of interest taken the 1913 state farmers' institute was one of the most successful ever held in Manhattan. The attendance was not so large as in some other years but those who did attend were there for a purpose and seemed eager to learn.

The poor crops of the past year and the resulting shortage of ready money undoubtedly kept many away who would otherwise have been present. It was also apparent that many came because of the scarcity of feed with the hope that they would get suggestions that would help them to deal more successfully with the present adverse conditions; and they were not disappointed. The program was instructive and well arranged and the meetings were well attended.

A number of farm organizations of the state hold their annual meetings in connection with the state institute as this gives the members a chance to attend other meetings besides the one in which they are directly interested. These meetings were successful and well attended but the most interest was centered in the talks given at the general meetings. The talks on home life, farm management and rural credits attracted more than the usual amount of attention. Professor L. E. Call of the Kansas Agricultural college gave a very interesting talk on maintaining the fertility of the soil in the eastern half of the state. W. M. Jardine, dean of agriculture and director of the experiment station, told how to prevent the soils of the western part of the state from blowing. Both of these speakers emphasized the importance of keeping livestock on the farm to consume all the feed raised. The need of keeping good livestock was also urged by Professor W. A. Cochel of the animal husbandry department. In fact the need of more and better livestock and better methods of caring for

the feed raised was urged in all the meetings. More stock and more silos seemed to be the spirit that prevailed.

One of the most pleasing talks of the week was presented by Charles R. Kirk of St. Joseph, Mo. Mr. Kirk described the methods used by the horsemen of France in producing their prize winning horses. He pointed out that the Frenchman depends on breeding and feeding with patient effort, and that the best breeders in France never sell their best animals. J. H. S. Johnstone of the Chicago Live Stock World, also gave a very interesting talk on "Size in the Draft Horse."

The courses offered by the various departments of the college were well planned and instructive. The talks on feeding and the demonstrations in judging the different classes of livestock given by the men in the animal husbandry and dairy departments have always been popular, and there was no lack of interest in these two divisions this year. The work in the agronomy department was appreciated as much as ever. Much interest was taken in the lectures on the various phases of mechanical farm power offered by the engineering department. The work in the poultry and horticultural departments also came in for its full share of attention. The demonstration in vaccinating hogs given by the veterinary division proved to be one of the features of the institute.

The courses in home economics were well attended and the visitors were well pleased with the work given.

The cooking courses consisted of demonstrations and lectures on the food value and cookery of meats and vegetables, the preparation of starchy sauces and also a lecture on dietary standards.

Various lectures and demonstrations were given in domestic art, including a sewing machine demonstration, a talk

on the equipment of the sewing room, discussions of hygienic clothing, patterns and economical ways of cutting cloth with general lectures on textiles with especial reference to their adulterations. Dress trimmings were discussed at one of the afternoon meetings. One session was devoted to a study of children in which lectures were given on the child's place in the home, and feeding and clothing the baby. Topics pertaining to home management, uses and abuse of clothing in fashion, table setting and serving were discussed.

The institute was delighted with two very able addresses by Mrs. Hattie M. Mitchell of Drake university, Des Moines, Ia, who gave a very helpful talk Thursday afternoon on the subject, "And the World Gave Her the Glad Hand." In the evening of the same day, Mrs. Mitchell gave another very interesting talk on the subject "As the Farmer and His Wife Looked Back."

Mrs. Roland P. Murdock of Wichita, Kan., gave two profitable talks to the institute on subjects relative to home decoration.

A large number of prize winners in girls' contests from various counties in the state were present and took a keen interest in the meetings. Jewell, Bourbon, Lyon and Wabaunsee counties were especially well represented. Many of the girls had been successful exhibitors in bread, canned fruit, jelly making and garment making contests at their different farmers' institutes and as rewards were given free trips to the state institute by their local organizations.

The Kansas Horse Breeders' association held a two-days' meeting. Dr. C. W. McCampbell, the secretary of the association, had arranged a good program and much interest was manifested in the various sessions of the meeting. A number of prominent horsemen appeared on the program and their talks were well received. Professor E. A. Trowbridge of the University of Missouri, gave an interesting account of the history and development of the American saddle horse. H. W. Avery of Wakefield, Kan., urged the need of cooperation among horse breeders. J. C. Robison of Towanda, Kan., told of some

mistakes that are often made when selecting a draft stallion.

It was the opinion of the association that the stallion owner should receive more protection by law. They decided that he should hold a lien on the mare and offspring for 18 months from the time the mare is bred. It was suggested that there should be a \$20 to \$50 fine for anyone who should sell, or remove from the state, such mare or colt without the consent of the stallion owner. They also expressed themselves as being in favor of more colt shows, and decided to push this work through farmers' institutes and fairs.

Meetings of the Kansas Crop Improvement association, State Dairy association, and Kansas Swine Breeders' and Growers' association were held during the week. Good programs had been arranged for these meetings and many interesting and instructive talks were given. All of these associations outlined their work and elected officers for the coming year. Here is the list of the officers elected in the different organizations.

Kansas Swine Breeders and Growers.

President, H. B. Walter, Effingham. Vice president, E. D. King, Burlington. Secretary-treasurer, Turner Wright, Farmers Mail and Breeze, Topeka.

Kansas Horse Breeders.

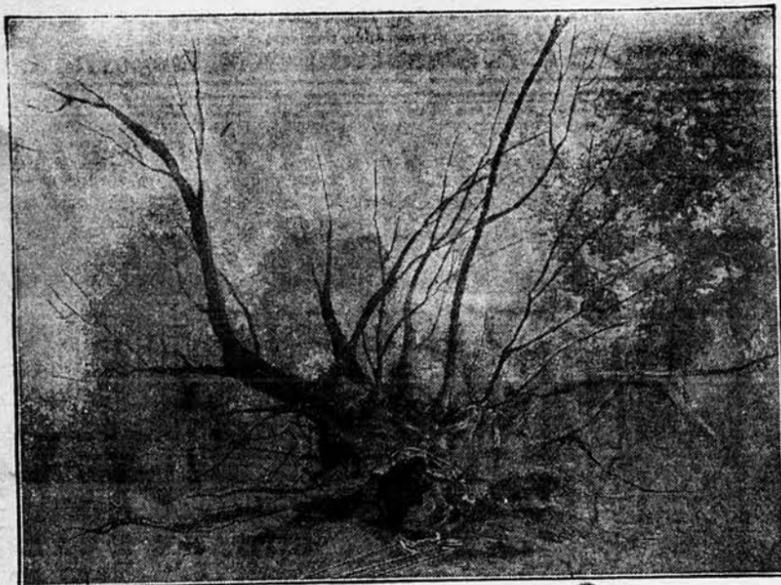
George B. Ross, of Sterling, was re-elected president. The eight vice presidents are, B. P. Waggener, Atchison; A. E. Smith, Lawrence; Arthur Colegrove, Girard; J. H. Lee, Harveyville; W. H. Rhoades, Manhattan; John Evans, Asherville; A. R. Cantwell, Sterling; J. C. Robison, Towanda. C. W. McCampbell, Manhattan, was re-elected secretary-treasurer.

Kansas Crop Improvement Association.

The Crop Improvement association elected R. A. Willis, Manhattan, president; M. G. Hamm, Holton, vice-president; B. S. Wilson, Manhattan, secretary-treasurer; C. C. Cunningham, Manhattan, inspector. J. M. McCray, Manhattan, H. Gronniger, Bendena, and L. E. Call, Manhattan, were elected directors.

State Dairy Association.

The State Dairy association elected A. B. Wilcox, Abilene, for president; P. W. Enns, Newton, for vice-president,



Pulls Roots and All

Turn Your Stumps

Free Book Shows Many More Photos

PULL out the stumps. They cost you big money in taxes—and bigger money in crops that you don't get. Stump land is looser land! Stumps are boarders who never pay their board. Rid your field of stumps—plant on virgin soil and raise money making crops!

\$1281 the First Year

You can turn 40 acres of stump land into at least \$1,281 profit the first year—and \$750 every year after. In the first place, you double the land value—and in the second place, you get crops that you are not getting now. My free book figures it all out for you in black and white, on page 45. The figures are so plain and so conservative that you can not possibly question them.

\$750 Every Year

You can easily raise 37½ bushels of corn per acre, many raise 90, on newly cleared land! At 50c a bushel, that makes \$18.75 per acre. And 40 acres means \$750. Figure up the profit per

acre on other crops—what it means to pull out

Pull Any Stump

The famous Hercules easily pull an acre or more. Cleared land—money made in a few weeks work depend on you! No more opportunities for profit!

All Steel

The Hercules is the Puller made. It is 60% stronger than any iron puller. The Hercules has ample



The Hercules and Its Work

HERCULES STUMPS

Let me send



and J. B. Fitch, Manhattan, for secretary-treasurer.

These premiums were awarded by the Kansas Crop Improvement association:

FARMERS' EXHIBIT.

Ten Ears of Yellow Dent Corn.
 First premium: Chas. H. Werner, Troy, Reid's Yellow Dent.....\$5.00
 Second premium: John Brox, Atchison, Reid's Yellow Dent..... 3.00
 Third premium: F. C. Werner, Troy, Reid's Yellow Dent..... 2.00
 Fourth premium: H. Gronniger, Bendena, Reid's Yellow Dent..... 1.00

Ten Ears of White Dent Corn.
 First premium: E. C. Lembach, Erie, Johnson County White..... 5.00
 Second premium: H. Gronniger, Bendena, Boone County White..... 3.00
 Third premium: J. B. Gronniger, Bendena, Boone County White..... 2.00
 Fourth premium: Dee Shank, Mankato white corn..... 1.00

Ten Best Ears of Corn.
 E. C. Lembach, Erie, Johnson County White..... 5.00

Ten Heads of Kafir.
 First premium: Deming Ranch, Oswego, blackhull white kafir..... 3.00
 Display of Twenty-five Heads of One or More Varieties of Forage and Grain Sorghums.

First premium: Deming Ranch, Oswego, Sumac sorghum..... 5.00

One-half Bushel Hard Winter Wheat.
 Arthur J. Mahon, Clyde.....\$5.00

One-half Bushel Soft Winter Wheat.
 No entries.

One-half Bushel Oats, Any Variety.
 First premium: E. C. Lembach, Erie, Red Texas.....\$3.00

One Peck Alfalfa Seed.
 First premium: P. M. Giltner, Winfield.....\$5.00
 Second premium: Deming Ranch, Oswego 3.00
 Third premium: Arthur J. Mahon, Clyde 2.00
 Fourth premium: Harry Stone, Winfield 1.00

Feterita Grown in Any Part of the State West of Jewell, Ellsworth, and Kingman Counties.
 First premium: J. A. George, Ellis.....\$5.00

Here are the prizes awarded by the State Dairy association. The \$10 offered first place in the country butter contest was won by Mrs. Arthur Child of Manchester. There were 37 entries in this contest. Frank Boriska of Lincoln, Neb., who scored the butter, and who has occasion to see many such contests, said it was the best exhibit of country butter he ever had seen.

Second prize, a carving set valued at \$5, was won by Mrs. William Wood, Manhattan. Mrs. Wood also received a special prize of \$5, given by the Manhattan Mercury for the best five pounds of butter produced in Riley county.

Third prize, \$3, was won by Mrs. W. P. Darrow, Waverly. Fourth prize, \$2, was won by Mrs. S. R. Barry, Manhattan. Fifth prize, a sanitary milk stool, valued at \$1.50, was won by Mrs. J. O. Parker, Scott City, Kan.

Roy R. Edelblute of Keats, won the \$10 Babcock tester given for the best five pounds of butter produced by a United States separator. In the tub butter contest the Merritt-Schwier company, Great Bend, Kan., won the first prize of \$10 and also will hold for one year the loving cup given by the Kansas Farmer. The score of this butter was 96½. Second prize, \$7.50, was won by the Continental Creamery company, Topeka, score 96. Third prize, a cut glass creamer and sugar valued at \$6.50, was won by the Topeka Pure Milk company, score 95½. Fourth prize, \$3 in cash, was won by the Belle Springs Creamery company, Abilene, score 95. Fifth prize, \$1, was won by the Clay County Creamery company, Clay Center, score 91.

In Kalamazoo

Mr. Editor—The Mail and Breeze came this morning like a puff of real Kansas wind, clear and healthy. First that delightful Kansas playground story, telling of how only \$35 paid for so many days and years of school pleasure. Now, why don't you people take 5 cents and bank it in the teacher's name until you have \$35 more and have a pond built and filled from your well? Plant around it quickly growing trees and have flower beds. The boys and girls would do most of the work. Mrs. C. C. Adams. Kalamazoo, Mich.

Kansas Schools Rank Low

Kansas public schools rank twenty-fourth in general efficiency. Twenty-four states pay their teachers a higher average salary than does Kansas. These figures were given by E. L. Holton, professor of rural education at the Kansas Agricultural college, in an address before the state farmers' institute. "You get just about what you pay for," Professor Holton told the farmers.

"If you are not willing to pay as much as other states, the other states will get the cream of the teachers."

The rural problem, as Professor Holton puts it, is "to create and keep alive, out in the open country, those institutions and conditions that will make the young people wish to stay on the farm. "A great deal of sentiment is connected with the 'little red schoolhouse'. A great deal of sentiment also is connected with the old sod dwelling, but we have outgrown that. We have also outgrown the old one-room school, and the inefficient, middle aged course of study. I believe the answer is consolidation, and it must be a consolidation brought about by the farmers."

Pit Silos For Next Year

[Prize Letter.]

Mr. Editor—A neighbor, M. B. Kenyon, and myself each dug two pit silos in the driveways of our barns. We did the work ourselves and cut down



Digging a pit silo in the driveway. A cement collar and 2-inch flooring will cover it.

the expense to almost nothing in comparison with what it would have cost to hire the work done. And the job was done much better too.

My silos are 8 feet in diameter and

24 feet deep with 8 by 18-inch collars and good 2-inch floors over them. The cement cost me \$10 and the lumber \$8 which gives me a good silo for \$18. The silo is in a good place for it is inside and it makes no difference to me whether it storms or not—I am in the dry.

We bought a silage cutter, and 6-horse Fairbanks and Morris upright engine to run the cutter. Several of our neighbors have put down pit silos and are still at it. During the winter months is a good time to do this work. H. D. Flowers.

R. 3, Downs, Kan.

Kansas Grew Corn in 1913

Kansas can grow corn, even in a dry season. The corn entered in the farmers' exhibit at the state institute at the Kansas Agricultural college recently proved this. Of course, the quality was not up to that of 1912 but considering the season, it is excellent corn. E. C. Lembach, Erie, took the first prize of \$5 in the white dent corn class. His 10 ears also took the sweepstake prize of \$5. Charles H. Werner, Troy, received first prize of \$5 in the yellow dent corn class. Other men who were awarded prizes in the yellow dent class are: John Brox, Atchison, \$3; F. C. Werner, Troy, \$2; and H. Gronniger, Bendena, \$1. In the white dent corn class, the men who won second, third, and fourth prizes were: H. Gronniger, Bendena, \$3; J. B. Gronniger, Bendena, \$2; and Dee Shank, Mankato, \$1.

This Family Grew Real Corn

The H. Gronniger family of Bendena, Kan., is a family of corn growers. Four of them—the father, J. B., Willie, and Lawrence—won prizes at the corn show held in connection with the state farmers' institute at the Agricultural college recently. Willie won the \$100 loving cup and \$15 in cash, with 10 ears of fine corn; the father won a second prize of \$3 and a fourth prize of \$1 on samples of white and yellow corn; J. B. won a third prize of \$2 on white corn; and Lawrence received a \$5 prize for fourth place in the boys' corn exhibit.

Turn Stump Land Into MONEY!

crops—wheat, oats, barley, clover, etc. See to pull out the stumps!

Any Stump In Five Minutes

is Hercules Stump Puller does it! You can clear an acre or more of stumps a day! Think of it!—money-making land, in just a few days or a week depending on how many acres of stump land you have! No more wasted taxes! No more lost for profit!

All Steel, Triple Power

is the only genuine All Steel Stump Puller. It is 60 per cent lighter and 400 per cent stronger than any iron puller or any "semi-steel" puller. It has ample strength to pull out any stump

or green tree or hedge no matter how big or deep rooted—and it pulls them out with the roots and all! Its triple power principle gives it a powerful pull—yet easier on the team than any other puller ever made. Either self-anchored or stump-anchored. Built low to the ground. It can be furnished with 200 feet of cable—enough to pull 3 acres of stumps without moving the machine.

Three Year Guarantee

Every Hercules All Steel Puller is sold on 30 days free trial and guaranteed for 3 years against breakage. If any casting of your Hercules should break at any time within 3 years from the date of your purchase, I will replace such casting or castings free of all charge.

HERCULES All Steel—Triple Power STUMP PULLER

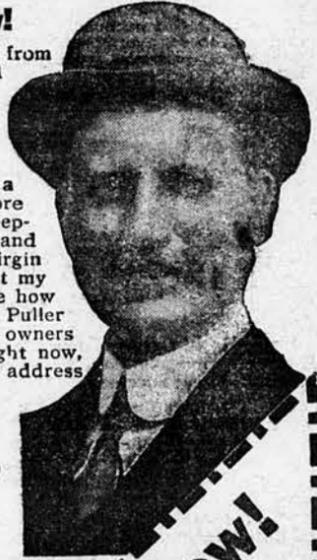
I will send you my new book and new offer. I'll prove that you can make \$100 for every \$1 you invest to pull stumps



Mail Coupon or Postal Now!

My new book is a beauty. See the real pictures, from 25 different states, of big stumps it has pulled out like you would pull weeds. Read the many interesting letters from farmers, lumbermen and land promoters. I want you to get the facts. I'll send the new book and special-price offer by return mail. My price will save you at least 50 per cent of the regular cost of a Hercules. I want to get a Hercules in a few more counties, and in order to do it I have made a sweeping reduction in price. Be sure to get my book and offer. I'll tell you the best crops to raise on virgin land where stumps were before. I want to get my free book to you at once, so that you can see how the Hercules All Steel Triple Power Stump Puller does such splendid work making big profits for owners everywhere. Mail me the coupon or postal right now, before you forget, or take down the name and address and write me soon. Address me personally.

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 Gentlemen: Please send me free book about the All-Steel Triple Power Stump Puller. Also your 30-day free trial and low-price-to-first-buyers proposition.
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Don't Burn Your Straw

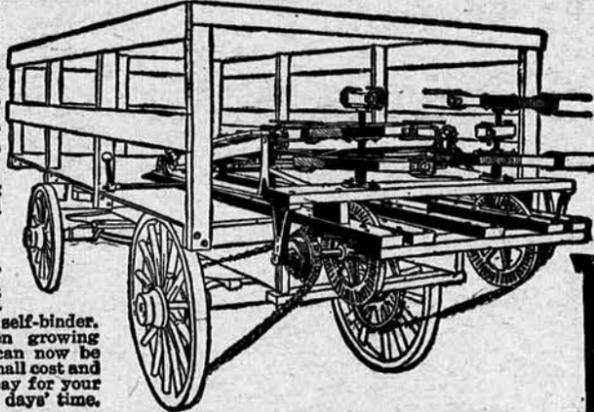
It is Worth \$2.50 a Ton



You can't afford to go on from year to year letting your land run down, raising smaller crops—or to **lose your crops by soil blowing**. You can't afford to burn straw stacks. Agricultural experts have proved beyond any question of doubt that straw contains fertilizer value worth \$2.50 a ton, besides furnishing humus to the soil that **prevents soil blowing and insures crops** in dry season by **retaining moisture** and protecting the young crop. Straw spreading solves the wheat growing problem. The

"Simplex" Straw Spreader

solves the straw spreading problem. No longer is it necessary to do this tiresome work by hand. The "SIMPLEX" does the work—does it easily and in exactly the right way and at the lowest cost. It is the best crop insurance you can buy. You can make a net profit of \$2.50 a ton on your straw because you can spread it at odd times and the spreader will last for years. Scatter straw wet or dry, or old rotten stack bottoms over a space 12 to 20 feet wide. Man and boy can easily spread 30 acres or more a day, depending on distance to haul.



Pays for Itself in 3 Days

The "Simplex" Straw Spreader is the greatest advance in farm machinery since the days of the self-binder. Farms which have been growing wheat year after year can now be spread with fertilizer at small cost and the worth of straw will pay for your machine in less than three days' time.

30 Days Free Trial

If you have straw on your farm I have a proposition you ought to know about. In order to thoroughly introduce the "Simplex" Spreader in the Dakotas and Minnesota this season, I will send a spreader on 30 days' free trial to ten men in every county—no money down—no note—no deposit or check—just common honesty among men. I take all the risk and all that **look is that you give the spreader a fair trial**. Write me today so that I can send you a full description of the "Simplex" Spreader, how it works, how it is made, how to use it, and my offer to use it 30 days absolutely free. If you don't find it satisfactory in every way and the most valuable

THE SIMPLEX SPREADER MFG. CO., 348 W. 10th St., Kansas City, Mo.

You Can't Turn a Switch and Stop a Horse Eating—



With a tractor it's entirely different. It eats only when it works. When you are through, turn a switch and your expense stops. Horses or mules eat three times every day, 365 days a year, whether they're working or not. Government statistics show that farm horses average only 100 full day's work a year—265 days' feeding all for nothing. Avery owners report that tractor plowing costs them *less than half* what horse or

mule plowing does. Also big saving on other work—disking, harrowing, drilling, harvesting, hauling, etc. Tractor farming means *bigger crops*, too. Three year tests made by the Kansas State Agricultural College gave an increase of more than double the ordinary crop by plowing at the right depth and at the right time. You can't plow fast enough or deep enough with horses or mules—it takes a tractor to do it.

AVERY "ONE-MAN" OUTFITS

"Light-Weight" Tractors and "Self-Lift" Plows

Hundreds of farmers have proved that Tractor Farming with Avery Tractors and Plows is a great success. The reasons are—they are the lightest weight tractors built, considering their draw bar efficiency. Also the simplest. And with an Avery "Self-Lift" Plow one man or one boy alone can run the entire outfit. Avery Tractors are built in five sizes, from 8-16 to 40-80 h. p., and pull from 2 to 10 bottoms. Fit large, medium or small size farms.

Avery Tractors and Plows Are Sold in Approval at Low Prices and Fully Guaranteed. Test out an Avery Tractor and Plow on your own farm. After acceptance we back you up with strong guarantees. Avery prices are also low. The new Avery book "Tractor Farming" tells why and how to farm with tractor power. The 1914 Avery Tractor and Plow Book gives all the facts about Avery "Light-Weight" Tractors and "Self-Lift" Plows. Both books sent FREE. Write for them. Address

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Our Harness have QUALITY, the best harness made. We sell direct to Consumer, you save all middlemen's profits and you buy for 20 to 35 per cent less money. We pay Freight Charges. HARNESS, SADDLES, COLLARS, BRIDLES and everything known in good harness line. Prompt service. Don't fail to send and GET OUR BIG FREE CATALOG Write for it TODAY H. & M. Market Harness Shop Box K Stook Yds. St. Joseph, Mo.

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LARGEST MONEY-MAKER KNOWN—INVESTIGATE The greatest forage plant that grows. Nothing equal for fertilizing. Excels Alfalfa as a producer. Crop worth \$50 to \$125 per A. Easy to start. Grows everywhere. Can save you money on best tested, guaranteed seed. Write today for Free Sample, circular and 76-page catalog. A. A. BERRY SEED CO., Box 935 CLARINDA, IOWA

431 Valentine

Eastor, Cards, Sevens, Sevens, Silver, Gold, Art colors, Beautiful Doves, Rabbits, Eggs, etc. ALL for ONLY 10c 4 Pkg. 24c, 20 Pkg. for \$1.00 ELSIE MFG. CO. 809A, 542 Dearborn St. Chicago

Putting Old Feed in a Silo

How Rosemayne Ranch Overcame the Crop Shortage of 1913

BY NEIL L. RUCKER

WE DID not raise any feed on Rosemayne Ranch this year but we filled two silos with feed raised last year. Putting dry feed into a silo without any green material to mix with it was an experiment, so we tried it first in a small way. We made a pit silo 20 feet deep and 8 feet across with a 2-foot curb of brick. The wall was plastered with two coats of cement and a wash coat of pure cement. It is estimated that a silo of this size will hold 20 tons. We filled it with nine large loads of dry feed.

We turned in all the water an inch pipe would discharge from a 14-foot storage tank while the water was running and in addition we let it run about 2½ hours after the silo was filled. Three days after filling the silo the silage had begun to heat at the top. Two days later it was nearly hot enough to burn the bare hand. We then started to feed the silage and so saved the top, which otherwise would have been spoiled. Our cattle and horses never had seen silage before but they ate it readily from the first.

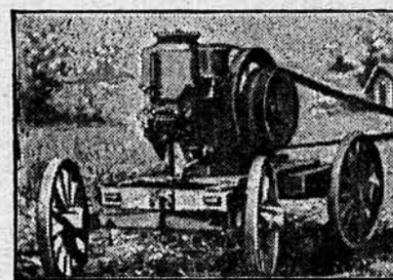
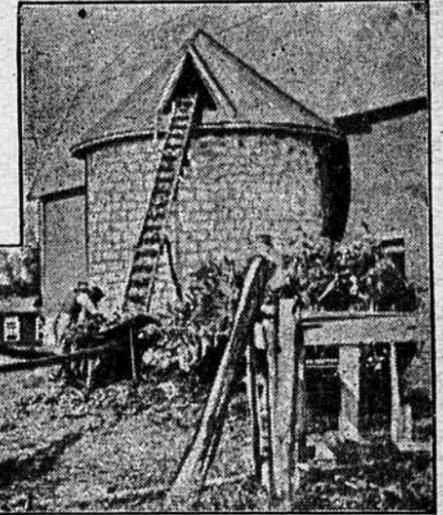
feed; kafir that had withstood the drouth; sugar beet tops and sorghum from irrigated fields. Our silos were the only ones filled with dry feed and water alone.

We helped fill the cement silo from irrigated land. One acre that was measured, planted in August and let stand until after the first frost, made 19 loads of green feed, and the loads were as large as two horses could pull. This silage has not been opened.

One of the pit silos was filled with sorghum sown late on irrigated land that was not mature when killed by the frost. This silage is rather sour and is not very well liked by the stock. The silage in this 20-foot silo settled almost five feet, while the 30 feet of old feed silage in our stave silo settled less than 18 inches. Taking everything into consid-

Put Up a Stave Silo.

After the silage in the pit silo proved successful we put up a 200-ton stave silo to hold the remainder of our dry



"SO, WE FILLED THE SILO WITH LAST YEAR'S FEED."

feed. This silo is 18 by 40 feet; and 70 loads of dry feed filled 30 feet of it.

In filling the stave silo the water had to be turned into the blower of the cutter and the blast would not carry the full stream. The water had to be turned off until the pipe was delivering only about half its capacity. This was water enough to make good silage but more water would have been better. The silage in the pit silo is the better of the two, being damper and sweeter smelling, but we can see no difference in the readiness with which either is eaten. The silage is dry and light compared to silage made from green feed. Silage made from dry feed smells, looks and tastes like silage made from green feed and is consumed with no waste whatever.

eration we believe that we have silage of as good or better quality than any produced near here this year.

Better Farming in White

Framing conditions are improving in White county. There was not a silo here three years ago, but we now have more than 150. Before the silos came there was a great deal of stalk burning, but now the stalks go into the silo, and then into meat that makes the growers money.

Even more important than the increasing number of silos, however, is the

Feeding Silage Three Years Old

I built a cement silo three years ago, 16 by 32 feet on the metal lath plan, the cement being plastered on the lath until it was 4 inches thick. I filled it at that time with corn silage but a few weeks thereafter, sold most of my stock and did not need the feed.

Notwithstanding the fact that I have never had a top on my silo and that this silage has been in it for almost three years I have been feeding it this season to my stock and find it in excellent condition. In other words this three year old silage in my concrete silo without a top is the only feed my stock, both horses and cattle, have had for nearly eight weeks, and they seem to be doing well.

I see no reason why my silo will not be good 100 years from this time. I believe it is the best investment I ever made in improving a farm.

CHARLES STEPHENS, Columbus, Kan.

A Busy Silage Cutter.

Our ensilage cutter has cut silage for ten silos this season and of these only one had been filled before, and it only once. Five of these are "pit" silos; one is a monolithic or concrete; two are "Common Sense," and two are stave silos. These silos were filled with old

great interest in legumes. The farmers in White county realize that legumes are essential in a permanent system of agriculture, and there has been a great increase in the acreage of the nitrogen adding crops here in the last few years. Alfalfa is the leading legume here.

Morris City. M. D. Harman.

GOD GIVE US MEN!

From Arthur Capper's Address at the McFarland Memorial Services,
First M. E. Church, Topeka, Dec. 28, 1913.

It is such men as Dr. McFarland—men who go ahead without regard to the applause or the abuse of the crowd—men who have the breadth of vision to see the right and the moral courage to do the right though the heavens fall—upon whom we must depend for the solution of the many pressing problems peculiar to our times. I am happy in the belief that the world grows better from age to age. We are nearer the long-sought Brotherhood of Man. The Sermon on the Mount, the most brilliant burst of oratory the world has ever known, commanded us to love our enemies and do good everywhere. The world is now at last beginning to see what Christianity means; that it really proposes to shape the whole of human society here and now according to its laws of good-will and human fellowship. The human race is developing wonderfully in charity and unselfishness. Our everyday acts, our institutions, our laws, our practices, more and more are coming to be directed more truly and unerringly to the ends of justice, equality and real liberty. I am firm in my conviction that never before have the consciences of the men and women of America been so widely awake or so keenly active; I know that the world today frowns upon many things which we accepted a few generations ago as a matter of course. In business, in politics; in fact, in every department of human life and activity, we are establishing new standards and higher ideals. But there is still so much to do: The curse of intemperance must be utterly banished from America by complete, nation-wide prohibition of the liquor traffic; the black and damning social evil must be eradicated; the purity of American womanhood must be maintained; the nobility of American manhood must be increased; the indefensible double standard of morals must be wiped out absolutely; the exploitation of children in factories and mills must be stopped; economic justice must be brought to the men and women who produce the wealth of the nation; the opportunity for an education must be given to every child in the land; there must be pensions for indigent widowed mothers and orphan children; our prisons and reformatories must be put on a strictly humanitarian basis; the huge armaments of war, with their colossal, intolerable burdens mocking the civilization and sense of the present-century, must be abolished; unemployment, insurance against industrial accidents, old age pensions and other problems of the wage-worker's life are pressing for solution; there must be less technicality and more a speedier justice in the courts; a system that will make justice free in fact as well as in theory, to the poor as well as the rich; that will protect the rights of men from the wrongs of property; that will lift up the fallen and help the "down-and-out;" that will imprison big thieves as well as little thieves; that will intelligently and impartially enforce all laws, and insure a larger measure of popular government, of human welfare and social righteousness,—these and a hundred more problems which crowd upon us, insistently demand solution.

God give us men!

The life and work of the good man whose memory we honor tonight, is an earnest token—that God does give us men—"men who live above the fog."

John Thomas McFarland, Methodist preacher, useful citizen, able educator, and valiant soldier of the cross, has gone to his reward. But his works live after him, and we are his beneficiaries. His life and memory must be an inspiration to us who remain behind a little while—an inspiration to live our own lives, righteously, to fight the good fight, to do our part, be it large or small, in making the world a little cleaner, a little more decent, a little happier, a little more God-like.

Why the Nations Die

BY GEORGE WOODRUFF.

History is made up of the story of a succession of nations. Each has gradually grown strong, has attained maturity, has caught a disease, and has died. And nearly all of them have died of the same disease.

Every great dominant nation has in its youth been an agricultural state, has derived its hardihood from the land. With the arrival of wealth, power and maturity came the building up of great cities and the over-development of urban civilization. All activities commenced to revolve about the city; the country began to be neglected; the germs of the great disease found lodgment in the body politic; the best brains and the best brawn sought the centers; corruption began to creep in; the race began to weaken; the products of the soil decreased; the consumption of the cities increased; the cost of living rose and the people died or were weakened by slow starvation. Then—it is written in history—some stronger agricultural people have crossed its frontiers, laid siege to its lands and cities and the great state has perished. The disease it died of was rural decay.

In America today, the germs of the great disease of nations are beginning to find their way into our national life. The cause for this is the over-development of our urban civilization and the consequent decay of our rural civilization. The remedy is not in the destruction of our urban civilization; the great enterprises and triumphs of our city life should not be destroyed. The construction of a rural civilization will cure the disease and will also hasten the growth of the nation.

The rural problem cannot be solved until farm life is organized. In each

rural community, there should be established a co-operative rural credit association owned and managed by the farmers themselves. The credit of the community should be dealt out through this association and in order to obtain the best rates of interest, to stimulate the most active participation in the management, and to bring all of the members of the community together in a close and effective union, the unlimited liability feature should be adopted. Unlimited liability turns jealous neighbors into co-operating friends, for a farmer cannot afford to injure his neighbor when it costs him money to do so. A co-operative rural credit association teaches the proper principles and basis of credit and consequently leads to better farm accounting on the part of the members, prompts the elimination of farm waste and the adoption of farm efficiency and lays the foundation for the general introduction of long term mortgage credit, providing for the gradual payment of principal with interest.

Distribution of farm products should be by the farmers themselves through co-operative distribution societies. Middlemen should be largely eliminated and the farmer should sell his products at higher prices and the consumer should be able to buy at lower prices. Farmers might engage in some forms of co-operative agricultural manufacture, as for instance the establishment of cheese factories, dairies, and even small packing plants.

The purchase of farm supplies should be by farmers' co-operative buying societies. Through co-operative purchase, farm supplies could be obtained in large quantities at wholesale prices and the profits of the middleman saved.

America is not yet a sick nation but we should profit by the story of the nations that have fallen.



Joe Moncrief says:

"It's just as great a crime to breed trees from scrubs as it is to breed colts and calves and pigs from scrubs. Let's have pedigreed trees as well as pedigreed livestock and pedigreed seed corn!"

-and that's good sense

What I Mean by PEDIGREED Trees and What MONCRIEF PEDIGREED TREES Mean to You

By pedigreed trees, I mean a tree that is propagated from a tree that has been carefully observed over a period of years and is known beyond any doubt to be a big producer of fruit of fine quality.

Isn't it reasonable to suppose that a young tree of that kind—propagated from a bearing parent—is more likely to be a big producer than is a tree budded from any old thing in any old way?

Of course it is! And the Moncrief Way has proved beyond any shadow of doubt, that the careful selection of scions or twigs for budding is just as important as the selections of good seed-corn. It's only Common Sense.

And it means a great deal to you. Because if you go into the average orchard in this state and watch it closely for a term of years, you will find that not half the trees are really paying for the space they occupy. They get the same care and attention that the other trees get, but they don't yield—because they can't. It isn't in them. They may bear some fruit, some years, but you can't depend upon them all the time.

Well, now, there's no sense in that. You want trees that you can depend upon every year for a big yield and for fine quality. And that's what you get when you plant

Pedigreed Trees Produced the Moncrief Way

Every Moncrief tree is grown from a scion from known bearing trees which is known to produce every favorable year or unless prevented by weather conditions large crops of fruit of exceptional quality, high color, good size, fine quality and attractive finish, the characters which must be prominent in the parent trees before scions or buds are taken for producing trees the Moncrief Way. Stakes in the nursery rows and special records in the office, show the parentage of every Moncrief tree.

The scions or buds from these selected trees are grafted or budded on a special grade of French crab seedlings. It is sometimes necessary for French crab seedling specialists to go over a million seedlings to procure the special grade required by Moncrief. Only one tree is grown from each of these special seedlings. This Moncrief Way of grafting and budding accounts for the wonderful uniform root system for which Pedigreed trees are noted.

All this requires care, and patience and skill. It costs time and money—but it results in Pedigreed Trees in which early bearing, regular bearing, fine quality and large quantity are made certain.

And that's the kind of trees you want. You can't afford to plant any other kind. Write to me and let me tell you more about the Moncrief Way and what it has done for fruit-growers. We can't grow trees the Moncrief Way by the million. We produced only 279,000 apple trees for this year, and already a goodly portion of them are sold. May we urge you to get in your order early?

BIG BOOK FREE "Pedigreed Horticulture"

Write today for free copy "Pedigreed Horticulture," our big Book in scientific tree growing. It tells all about the Moncrief Way, describes the varieties of Pedigreed Trees and contains special prices for introduction. The Moncrief Way will show you how to grow trees that will increase your production 4 times. GET THE BOOK.

WINFIELD NURSERY CO.

J. MONCRIEF, Pres.
310 Central Ave., Winfield, Kan.

The Moncrief Strains

Apple: Delicious, Jonathan, Ragan (Black Ben), McIntosh Red, Wealthy, Rome Beauty, Stayman Winesap, Winesap, White Winter Pearmain, Grimes Golden and other leading varieties of apple.

Peach: Hottes Elberta, Japan Blood Dwarf, Mamie Ross, and other leading varieties of peach.

Other leading varieties of fruits are grown the Moncrief Way. No other trees offered for orchard planting are like them.

Read What Planters Say About Pedigreed Trees

J. B. Anderson writes us about his orchard of Pedigreed Trees at Palisades, Colorado, as follows:

"My crop for 1913 from five acres of bearing orchard, mostly set by myself in 1906, trees purchased from your company, is as follows:

- From 16 apricot trees,192 crates.
- From 44 Dewey & 54 Carmen peach trees1285 Boxes
- From 625 Elbertas8400 Boxes
- From 11 apple trees, 6 yrs. old, about30 Boxes

"My peach trees bore fully 2,000 boxes per acre. About 100 peach trees are 3 and 4 years old."

The Roots Are Something Grand

R. T. Osburn, Bentonville, Ark., writes us as follows:

"The shipment of trees received and I am very much pleased with them. I don't think it would be possible to grow better trees and the roots are something grand."

"This county has 2,000,000 apple trees and over 50 per cent have diseased roots. Most of them were grown in nurseries, apple seedling roots and scions cut from so-called scion orchards that never bore an apple. I am an Easterner and bought one of these orchards and I have cleared out 300 out of 800 and I am going to take out every one that doesn't prove productive, and Winfield trees will take their places."



Send us \$1 and we will send you 10 one-year-old apple trees 4 to 5 feet high, of any one of these varieties—Delicious, Jonathan, Ragan (Black Ben), or Stayman Winesap. You pay express charges. Also pay express Money for an Orchard. Care for an Orchard. We'll perfectly satisfied. That's a fair offer.

CHAMPION MOLASSES FEED

Is the feed fed to all cattle that brought the highest prices on the five leading cattle markets during the year of 1912, far superior to cottonseed meal with ensilage, equally good with any feed, will save 30 days' time in feeding period, also a great milk producer. Write us. TARKIO CHAMPION FEED CO., 563-565-567 Live Stock Ex. Bldg., Kansas City, Mo.

**The Gold
is thin —
but the diamond
still shines
brightly**



This picture illustrates a letter from one of our friends, which we quote below:

August 24, 1913.

"Just thirty-one years ago today my wife now, then my sweetheart, sat under a large chestnut tree in her parents' front yard, in the same position as the cover of your Catalogue No. 82 represents, selecting a diamond ring from your Catalogue..... That ring and book told my future life. Ever since the ring was secured, it has been worn. It is just as good now as then, only the band is thinner—but the stone is the same old diamond— * * * * *

"Since those days times have changed. Montgomery Ward & Company have grown from a small store room to a vast city by itself and I have grown from a family of five sons and a daughter and from a farm hand to a farmer of over 800 acres of choice land.

"*Small profit, honesty and saving are what make people progress in this country.*

"If you look over your filing list, you will see my name down every month for something, sometimes every week. And as long as God spares my wife and I you will find us on your list—also my son."

Yours respectfully,
(Name on request).

Is our latest Catalogue in your home? The great showing of thousands of bargains will absorb your attention. The pictures show home comforts you need. By comparing the articles and prices you will realize the economy there is for you in every purchase from this wonderful thousand-page bargain book. Fill out the coupon now and send for your Catalogue today.

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Drawn expressly for
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Montgomery Ward & Company,
 Send me Free a copy of your new Catalogue. Dept. GG 16.
 do is to look it over. All I agree to

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 State.....
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MONTGOMERY WARD & CO.
 New York Chicago Kansas City Fort Worth, Texas Portland, Oregon

How Outlaw Weeds Helped

Russian Thistles, Sweet Clover and the Soap Plant Made Christmas Possible for Some Where Money Was Scarce

QUEER, isn't it, how men's minds change? Here, for instance, we see the records of shipments of weeds that have always been considered the worst kind of pests on most farms. The shipments were made from towns along the Santa Fe railway:

Car of sweet clover seed, shipped from Garden City to Des Moines, Ia.

Two cars of Russian thistle hay, shipped from Cimarron.

Ten cars of soap weed, consigned from Elkhart to St. Louis.

The weeds of the prairie, which the farmers of western Kansas have been trying for years to stamp out and burn out are now proving to be valuable enough to ship, and many western Kansas farmers this year found spending money for Christmas through the sale of the once worthless and pestiferous Russian thistle, sweet clover weed and soap weed.

Prairie Chickens Are Increasing.

Prairie chickens are thick in some sections of Coffey county. Since the killing of prairie chickens has been prohibited by law, they are multiplying very fast in this section of the state. Many hundreds of them have been seen this winter on the farms of Coffey and Woodson counties.

Kansas City Growers Organize.

Fruit growers in six or seven Missouri and Kansas counties near Kansas City have started the organizing of a protective association. The organization will be known as the Kansas City Suburban Fruit Growers' association and is to be modeled after the system used by Southern Missouri and Northern Arkansas strawberry growers, who were unable to make a success of their business until they organized.

C. A. Swope of Turner, Kan., laid the suburban fruit growers' plans before the Missouri Valley Horticultural society recently and was given the co-operation of that organization.

"We are going to employ a sales agent at the Kansas City market who will sell all our fruit," Mr. Swope explained. "We're going to stop cutting one another's throats, or rather, stop letting the cheap huckster cut them for us."

Kansas Doesn't Make Wine.

It is only within the last 10 years that wine production became so small that it was not worth considering as a Kansas product. F. D. Coburn, secretary of the board of agriculture, removed the "wine manufactured" from the official table of Kansas products in 1904. He did it then because of the sentiment against wine, rather than the fact that wine production had fallen off so materially.

In the 80's Kansas produced as much as a quarter of a million dollars' worth of wine annually. For seven or eight years, and up to 1891, the wine production exceeded \$200,000 a year, and once or twice almost reached the \$300,000 mark. But with 1891 the production fell off, and in 1894 it was down to \$174,000, and kept going down each year until 1904 when the total wine manufactured was only \$20,244. After that year Mr. Coburn quit gathering statistics about the wine productions.

A Weather Record in 1913.

The year 1913 was an unusual one for the weather man at Topeka in its uncertainties and the extremes it reached. A record breaking dry summer was followed by the wettest fall on record. It was the windiest year on record, which is supposed to be going some in Kansas. It was the fifth warmest and tenth driest year that Topeka has experienced since reliable records were begun, 27 years ago. There were fewer days with temperature below freezing and a near-record amount of sunshine in Topeka, according to the summary of the weather conditions that is being completed at the local office of the weather bureau.

Farmers Will Meet at Parsons.

One of the largest farmers' conventions ever held in Kansas will take place at Parsons, February 3 and 4. The

farmers and townspeople of southeast Kansas will meet to size up the situation for that part of the state. Speakers from the Agricultural college and from Missouri and Oklahoma will be present.

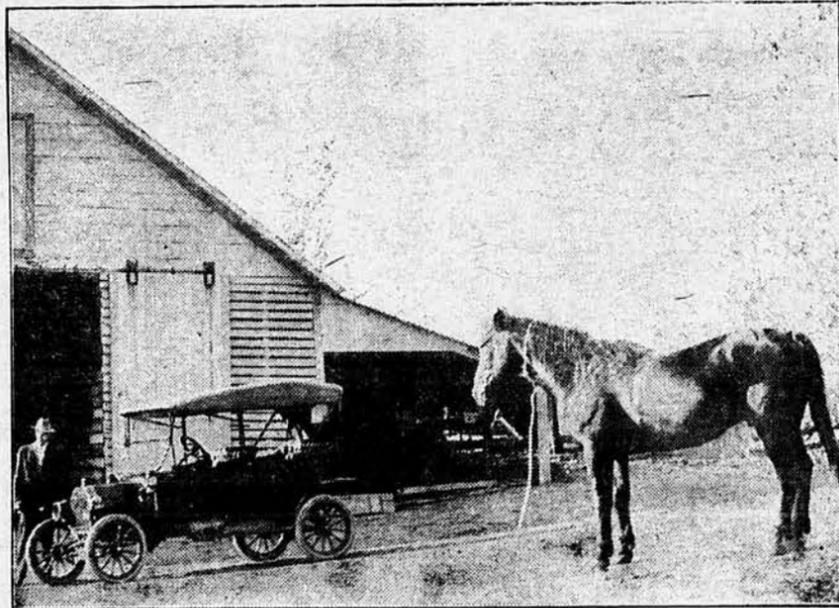
There will be three sessions each day, morning, afternoon and evening, and two or three speakers at each session. One session will be devoted to soils and soil fertility, one to dairying, one to beef cattle and silos, one to farm management and tenancy, one to co-operation, and one to demonstration work. Farmers' institutes, commercial clubs and other business men's organizations of southwest Kansas, granges, farmers, unions, A. H. T. A., and other farmers' organizations are expected to co-operate.

This Tree Is Large.

The largest cottonwood tree in Reno county is said to be on the farm of William Graves. It measures 21 feet in circumference. Mr. Graves planted it 36 years ago.

Wolf River Is Shorter.

The huge Doniphan county ditch, which was dug from Severance to Sparks, a distance of 10 miles, for the purpose of shortening Wolf river and reclaiming hundreds of acres of land that the stream inundates every year, has



"SHOULD AULD ACQUAINTANCE BE FORGOT?"

just been completed. The ditch was dug with a large dredge boat and is about 30 feet wide and 14 feet deep. Three months' time was required to complete the work.

Garden City Feeds Cattle.

Garden City, Kan., in recent years has become quite a cattle feeding point. Judge Cowgill is feeding several hundred cattle there this winter, and several smaller bunches are being fed.

High Rents Drive Out Tenants.

High rents, both for cash and a part of the crop, is discouraging many tenant farmers in the community around Norway, Kan. They are quitting the farm to engage in other, and in their opinion, more profitable occupations.

Pig Crop Will Be Light.

"Hogs in my neighborhood are enjoying the very best of health," said Bass Curry of Anderson county, Kansas. "But farmers do not like the idea of feeding them on 75-cent corn. It now looks very doubtful whether the spring pig crop would be up to normal."

154 New School Houses.

Bonds were issued in 1913 to build 154 new school houses in Kansas, according to figures compiled in the office of W. D. Ross, superintendent of public instruction. The record for 1912 was 133 new schools for which bonds were issued. The average cost of these new school houses was approximately \$3,500, showing that in the Sunflower state

model, up-to-date schools are being erected. The little "box" school house, one room, one door, one window, is a thing of the past in Kansas. School districts last year offered bonds reaching a value of \$530,270; boards of education issued \$444,700 worth of bonds.

Steers Die With Rabies.

The heads of two steers, one from A. W. Post's herd, the other from E. D. Booth's, near Havensville, Kan., which were reported to be dying with a mysterious disease, were sent to the Kansas State Agricultural college for examination and both were found to contain rabies.

Plant More Forage Crops.

G. S. Adams of Comanche county, Kan., on the Oklahoma line, recommends that farmers branch out in the spring in forage feed crops. "More acres in kafir corn and forage feeds would be my suggestion," he said. "When we have a good supply of forage feed, we are not in any danger about handling our cattle."

Better Roads for Harvey.

Harvey county will soon join the majority of counties in Kansas by having a complete system of county roads designated, if plans perfected at a meeting of the Newton Commercial club and the township trustees are carried out. A meeting was held recently, attended by nearly all of the trustees, and the decision favoring a county road system was unanimous. Petitions are being circulated asking the county commissioners to lay out the system. This county has

the automobile department in the secretary of state's office. The motorcycle registration is 6,488. Sedgwick county leads in the number of automobiles, with 1,995, also in the number of motorcycles, 361.

Kiowa Land Is Plowed.

W. C. Millar, who has a large ranch in Kiowa county, says the farmers in that section have plowed a large amount of ground over this fall.

"As a result the spring seeding will be hastened along," said Mr. Millar. "The favorable conditions offered farmers a fine opportunity to push their work again which they did."

Kansas Seed to Europe.

A. D. Hostetter of Wellsville, Kan., has just finished cleaning almost 5,000 bushels of meadow fescue for the farmers of the vicinity for the export trade. Cleaning this seed was quite a task. The mill in the third story of the Hostetter building was kept running from 7 o'clock in the morning until midnight on the work for nearly two months.

Fewer Hogs in Bourbon.

"There are a good many shoats and pigs in my neighborhood, but farmers are ready to let go every hog of the marketable size," said S. McKinnis, a regular shipper of Bourbon county, Kan. "Farmers are trying to get through the winter with their shoats and pigs, as they realize they will be valuable later on, but the cost of corn stands in the way."

Twine Plant Has Started.

The new twine plant at the state penitentiary at Lansing was started December 30, 1913, with a daily capacity of 12,000 pounds of finished twine. The plant was destroyed in the prison fire in April and has been rebuilt, located in a new fireproof building and equipped with modern new machinery.

It is the intention of the prison management to rush the manufacture of prison twine in order that the state can supply the need of Kansas farmers during the 1914 harvest season. When the twine plant burned last spring nearly 3 million pounds of finished twine, which had been stored for shipment, was destroyed and the entire plant and all machinery was lost.

Crop Yields for 1913.

Corn, with a value of 1,602 million dollars comprised 28 per cent of the value of all crops in the United States in 1913, although the volume was under the record. The other principal crops with values are given in the order in which they come. Cotton, 798 million dollars; hay, 797 million dollars; wheat, the largest crop ever raised in this country, 610 million dollars; oats, 440 million dollars; potatoes, 228 million dollars; tobacco, 122 million dollars; barley, 97 million dollars; sweet potatoes, 43 million dollars; sugar beets, 34 million dollars; Louisiana cane sugar, 26 million dollars; rye, 26 million dollars; rice, 22 million dollars; flax seed, 21 million dollars; hops, 15 million dollars; buckwheat, 10 million dollars.

In quantity of estimated production the record has been broken in wheat, rye, rice, sugar beets, beet sugar and the total of beet and cane sugar. Of the remaining crops, oats, barley, cotton and hops have been exceeded twice in production.

Grain Rates Are Raised.

Reflecting, in the opinion of some observers, its probable attitude on the application of eastern railroads for an increase of 5 per cent in freight rates, the interstate commerce commission recently permitted increases on western roads on grains. The commission held that while the revenue of the carriers has shown no perceptible increase in 1913 over 1908 and that it was not a just ground for increases in rates, it was a matter to be taken into consideration. Increases in rates on grain from Illinois points to various markets in the East of 1/2 to 1 1/2 cents a 100 pounds were allowed.

The board took into consideration the statement filed by 10 railroads that the companies had added 100 million dollars new capital to their property, and had increased their operating expenses 46 million dollars, but their operating revenue was the same for 1913 as for 1908.

Silos Saved the Feed.

S. C. Singleton of Woodson county, Kansas, points out still another great benefit in the silo. "This fall," Mr. Singleton said: "We have had so much rain that forage feed out in the fields was spoiled. But those who had silos saved every handful of feed. Silos certainly have come to stay, and more of them will be built."

Gophers Cause \$50,000 Loss.

Gophers have damaged crops to the extent of \$50,000, according to the statements of Dickinson county farmers. In response to petitions signed by hundreds of farmers the county commissioners have raised the bounty to 10 cents a scalp and the boys are busy bringing in the records of gopher hunting. The damage is largely in the alfalfa fields.

Kansas Has Motor Cars.

The average number of motor cars for Kansas is one machine for every 48 persons. Sedgwick is the only large county that exceeds the state average. It has one car for every 39 persons. Shawnee has one to every 57; a car for every 11 families.

There are 34,945 automobiles registered with Curtis Myers, in charge of

Proper Ideals Are Needed

Purebred Animals That Conform Closely To the Type of the Breed Must Always Be Selected

THE person selecting purebred stock must first have an ideal firmly fixed in his mind, toward which he must work in breeding. If he has not this ideal, he should develop it by visiting fairs, stock shows and breeding farms, and by studying, not only individual animals, but the ideals of other breeders and judges as expressed in types of animals shown.

I do not know a more genial, generous, or better class of men, as a whole, than livestock breeders. There is a tie that binds breeders and lovers of purebred animals, and if you are a sincere seeker of knowledge in this interesting field, you will be generously treated if you lay your queries before an experienced breeder. He will point out, not only the good qualities in his own animals, but the weak points as well.

Every buyer has his own ideals, and while such ideals differ somewhat as to details, they generally coincide very closely as to a whole. This feature is well demonstrated in any class in the large stock shows where possibly scores of breeders have their ideals in competition, and it is one of the genuine pleasures of life when expert judges agree that your ideal is the best.

Some Have Fads.

Every breeder is apt to have some fad; and I confess that mine is an antipathy to fat animals for breeding purposes. Fat, while not fatal, is objectionable, because fat animals are, as a rule, shy breeders and their young are not so thrifty and vigorous as those from animals in moderate flesh.

Another thing a buyer should consider is the fashion, for there are styles in breeding animals as well as in women's skirts, says Dr. N. S. Mayo in the Progressive Farmer. Try to keep some of the well known fashionable families, for there are usually good basic reasons for their popularity; but by all means avoid extremes of styles, for they are expensive, and lead, as do other extremes in styles, into the realm of questionable propriety.

A beginner in breeding had better avoid buying prize-winners at long prices—at least, until he has a foundation herd well established. Good individuals closely related to prizewinners are usually desirable because they are well advertised.

Another important point in selecting animals is disposition. Animals with an ugly disposition are always undesirable, even when their conformation and their characteristics are superior. The disposition of an animal does not, as a rule, improve with age, and it may be transmitted to its offspring.

To many buyers the price of the animal is an important factor in its selection. The breeder who is selling the stock usually knows its value much better than the buyer, and the price is his estimate of its value. If the animal is what you want, do not let a few dollars stand in the way of getting it, for this difference will usually be repaid in the increased value of the offspring in the first year's breeding.

Don't Get Freaks.

Avoid selecting animals with abnormal markings or peculiarities, as such markings may be transmitted and seriously impair the market value of the offspring. Inbreeding, or the breeding of animals closely related, is not desirable except when done by an expert to establish certain characteristics; so select breeding animals not closely related.

If you already own animals and they have some weakness, try to select an animal to mate with them that is strong where yours are weak, but avoid too violent a cross. Do not attempt to revolutionize the science and art of breeding by crossing a beef and dairy breed to combine the good qualities in both. The pathway of breeding is littered with such wreckage.

Modern purebred animals have been developed by the best breeders of this and many past generations into a splendid animal machine for the purpose intended. In all cases when selecting purebred animals get certificates of

registration in the recognized herdbooks for this purpose.

After making a selection as to quality and breeding, be sure that the individual is healthy and sound, and that it comes from a healthy herd. Tuberculosis, contagious abortion, hog cholera, external and internal parasites, and many other transmissible diseases must be guarded against as their presence in a herd may ruin it. Always ask a reputable breeder regarding disease in stock you intend to purchase. Get a clear, definite statement regarding it and rely on it.

If you are a beginner and have not had the training and experience necessary to the selection of good animals, go to some well known, reliable breeder, tell him just what you want, how much you want to pay, and take his advice in the matter. He will feel responsible in a measure for your success, and will assist you in your efforts.

Get some of the best animals you can afford. Good breeders know the value of their different animals better than anyone else, as a rule, and many so-called "bargains" may prove not to be such in the end. Get animals of some breed that you like, adapted to your conditions and locality, whose good qualities are well known. Take good care of them; advertise; give everyone a square deal; and they will repay you in more ways than one.

Home Seed Is Best

Should one sow northern or home grown millet in Kansas? Which variety is best, the German or the Hungarian? Our soil is a fertile sandy loam, and I wish to use the millet for feed.

How should one get ground ready to

plant to corn? I have some wheat and oats stubble which was disked last summer and some corn stalk ground. There also is one field in kafir stubble that was deeply plowed last spring.—A. D. Plevna, Kan.

It is always advisable to sow home grown seed when it can be obtained. Northern grown millet seed, planted anywhere in Kansas, should be better than southern seed.

German millet seed, as ordinarily sold on the market, will give you a better quality of hay than Hungarian millet. Hungarian millet will stand as much or more dry weather than the German millet, and is usually coarser and frequently less palatable for stock.

In preparing your ground for corn in the spring, if it is ground that does not blow, you can well afford to disk it as soon as the frost is out of the ground in the spring, and then blank list as soon as the weeds have started well. Then you can split the middles at planting time. This will give you a good seed-

bed and one which during the entire spring leaves the ground in condition to take in any rain that falls, and it also warms up the soil so that crops should start off readily. G. E. Thompson. Kansas Agricultural college.

Couldn't Count Him Out Again

I think the Mail and Breeze the best farm paper published. Passing Comment by T. A. McNeal is worth more than the cost of the paper. We are going to re-elect Arthur Capper for governor in 1914 if he will accept the honor. They can't count him out again. Woodston, Kan. D. A. Priddy.

Alfalfa Seed for Sale

Mr. Editor—I have 50 bushels of alfalfa seed for sale, clean, except some brown seed, \$6 f. o. b. R. M. Ralston. R. 4, Augusta, Kan.

WRITE ME TODAY
Get My New Low Prices \$64⁷⁵ Up
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Ask us for incontrovertible facts and figures proving that investment in "CONSERVATION" guarantees all the *security*—and several times the *earning power*—of any other legitimate investment. *No obligation involved*. Address a postal, today, to

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Cheaper Feed by Co-operation

Kansas Granges Buying Corn in Carlots—The Week's Crop News

By Our County Correspondents

STOCKMEN and farmers in southeastern Kansas are making good use of their Grange organizations in supplying feed at lowest possible cost. One Grange near Chanute, according to Adolph Anderson, has shipped in four cars of corn from Iowa and another car is ordered. The present difference in price as compared with corn sold in Chanute, is 6 cents a bushel in favor of the Grange corn. Co-operation of this sort is the kind that counts for something.

With the passing of the snow the feed situation has again been relieved for the time being. Wheat came out in good condition and is being grazed again while the surface is firm enough from freezing, or on upland where it has dried sufficiently. I. E. Grant of Harmon county, Oklahoma, writes that roughness is being hauled in and stacked as fast as it dries out sufficiently. F. S. Coen of Finney county, Kansas, predicts that there will be feed enough if the feeding is done carefully.

Fifty per cent of the seed corn to be planted in Dickinson county this spring will have to be bought, according to F. M. Lorson. About 95 per cent of the farmers are buying corn for feed now, he says, and will need hay and oats as soon as spring work begins. Here is a market for farmers having a surplus of these crops. By taking note of these reports from week to week the man with surplus farm products of any kind, can form a pretty good idea of where he will find the best market for them.

KANSAS.

Barber County—Snow, sleet and some rain the last half of December. Wheat covered so it could not be pastured. Stock looking well yet. Corn 79c.—G. H. Reynolds, Jan. 2.

Sherman County—Wheat will come through the winter in fine shape from all indications. Much rain and snow lately. Stock doing well. Pastures all covered with snow. Feed going fast.—G. G. Corkill, Jan. 9.

Ellsworth County—Cold weather, and snow still covers the ground. Ground was well soaked up before snow came. Heavy frosts the last few nights. Wheat has made excellent pasture.—C. R. Blaylock, Dec. 31.

Ford County—Weather fine. Snow all gone. Wheat pasture still good and cattle doing well. Straw and other feed spoiled by rains. Butterfat 30c; eggs 30c; wheat 80c; corn 78c; oats 50c.—John Zurbuchen, Jan. 3.

Woodson County—Stormy and cold weather. Stock doing well for the poor feed. No public sales at present. Fat horses in good demand but the poor, thin kind find slow sale. Hogs scarce at \$7.25 to \$7.50; corn 76c to 30c.—E. F. Opperman, Jan. 2.

Rush County—Wheat not damaged so far. Most farmers have their stock on wheat pasture. All stock doing well. Cows selling high but horses are cheaper. Eggs scarce. More cream than usual marketed. Very little feed consumed yet.—J. F. Smith, Jan. 3.

Gove County—Some alarm is felt over the finely checked cracks in the wheat fields since the big rains and frequent freezing. The winter has been light so far and stock doing well. Stockmen hoping for an open winter on account of feed being scarce.—H. W. Schaible, Jan. 2.

Wilson County—Snowy and foggy weather. No sunshine for days. Stock doing well considering the feed. Corn somewhat lower. Not much stock for the market. Cattle fair in price. Some fall plowing done. Good acreage of alfalfa to be sown in the spring.—S. Canty, Dec. 31.

Dickinson County—Weather cold and snow on the ground. All stock has to be fed since the snow. Fifty per cent of the corn to be planted this spring will have to be bought. Most of the farmers are buying corn. Wheat 80c; corn 78c; butterfat 30c.—F. W. Lorson, Jan. 3.

Finney County—Have had a lot of cold, damp weather. Ground frozen for some time. Not much snow at present. Stock seems to be holding its own and roughness is apparently plentiful. With careful feeding I believe there will be enough feed to run us through.—F. S. Coen, Jan. 1.

Jefferson County—Rains and damp, cloudy weather have damaged shock fodder badly. Wheat went into winter in fine shape. Farm work kept up well and many farmers have most of plowing done for the coming season. A good deal of corn being shipped in.—Z. G. Jones, Dec. 30.

Clark County—Wheat in fine condition and plenty of moisture to carry it through the winter. Stock on wheat pasture and doing well. Snow all gone. Very few fat hogs and fat cattle are all shipped out. Not as many stock cattle as in former years. Grain and hay being shipped in.—H. C. Jacobs, Jan. 2.

Lyon County—Plenty of moisture for wheat. Roads bad in some places. Corn crop was fair where planted early, kept clean, and plowed good. Stock in good condition where they are fed fairly well and sheltered. Corn, 70c; wheat, 80c; eggs, 33c; alfalfa, \$15; prairie, loose, \$14.—E. R. Griffith, Jan. 5.

Chautauqua County—White Christmas here but no cold weather. Wheat and rye have made a rank growth. Cattle wintering well in spite of bad condition of feed since rains. Oil business is booming and many farmers are getting good leases. There

is a shortage here of grain feeds. Eggs 26c.—F. B. Mantooth, Dec. 29.

Johnson County—Ground was covered with snow for a week but is melting now. Stock wintering well so far, the feed consisting mainly of wheat, grass and stalks. Wheat doing well. Few sales being held and prices not as good as formerly except for very choice stuff. Roads quite good yet.—L. E. Douglas, Dec. 27.

Harper County—Plenty of snow and rain lately. Feed scarce, with roughness in most demand. Straw about all gone. With 30 days of snow on the wheat stock would be in bad shape here. Prices normal with good milk cows in the lead and brood mares a close second. There are few hogs in the country. Wheat looks fine. Plenty of pasture.—H. E. Henderson, Jan. 3.

Wilson County—Wheat on bottom lands is fine and is now covered by 4 inches of snow. Weather damp and cloudy. Less fall plowing done than usual. Stock looks fairly well. The Grange has shipped in four cars of corn from Iowa so far and another car has been ordered. Corn from last car cost 70 cents, while in Chanute the price is 76 cents.—Adolph Anderson, Dec. 29.

Cloud County—Weather cloudy and foggy. Stock doing fairly well but requires lots of feed. Hogs not doing very well on account of scarcity of feed. Cattle bringing good prices and fresh cows scarce and high. Potatoes and fruit as well as eggs are scarce and high. Farmers busy preparing fuel. Brood sows scarce and a light crop of spring pigs in prospect.—W. H. Plumly, Jan. 2.

Pottawatomie County—Good winter weather. Feed getting scarce and high. Poor quality prairie hay is bringing \$12 in stack and alfalfa \$12 to \$15. Seven per cent interest is now being asked on straight loans and only on one-third valuation of farms. Very few sales and banks do not seem to be inclined to buy sale notes. Pig crop will be light as few breeding sows are on hand.—S. L. Knapp, Dec. 29.

Hamilton County—Plenty of rain and snow in December. More moisture in soil than in five years at this time of year. Cattle doing well on little feed and horses and mules are in good condition on grass. Farmers in good spirits generally. Cows, hens, and general stock raising will be the main lines in the future, with silos to conserve the feed. Corn \$1.50 a hundred, eggs 40c, butter 30c.—W. H. Brown, Dec. 27.

OKLAHOMA.

Pawnee County—No live chinch bugs but dead ones are thick. Most of the corn that

was raised is still in the cribs.—V. Funkhouser, Jan. 1.

Garfield County—Wheat damaged somewhat from being pastured while fields were too soft. Weather more like winter the last two weeks. No surplus feed here. Eggs 33c; butter 23c.—A. Vock, Jan. 2.

Harmon County—Good weather but foggy mornings makes it bad to gather cotton. Fodder getting dry enough and being hauled into stack. Roads very rough. Some corn selling at 75 cents, Milo 60c.—I. E. Grant, Jan. 1.

Noble County—More moisture than we have had in five years. About 50 per cent more wheat put out than last year and prospect is good. All stock being fed. Good wheat pasture all fall. A few cases of hog cholera. Corn 65c; wheat 76c; hay \$12 and \$13 ton; eggs 34c; butter 30c.—A. E. Anderson, Jan. 1.

Texas County—We are now having the coldest weather we have had this year. Stock has been on wheat fields because feed is scarce. Farmers are hauling straw for cattle. A few cattle have died with the black leg. A few public sales and the stuff sells fair. Barley and oats scarce. Eggs 28c; butter 20c; hens 8c.—F. Free, Jan. 3.

Douglas County—Snow gone and weather is cloudy and damp. Wheat came out from under snow looking fine except on thin land. Corn husking finished. Some hay being hauled to market. Farmers busy butchering and cutting wood. Alfalfa \$14 to \$18; baled straw \$4.50; hogs \$7.35; cows \$5.50 to \$5.75; eggs 30c; butter 26 to 30c.—O. L. Cox, Jan. 5.

Sausage For Winter

BY J. H. BROWN, Atchison.

To make good pork sausage, to every 12 pounds of meat take three table-spoonfuls of salt, three of black pepper, six of powdered sage, and one of powdered red pepper. Grind the meat through the mill, then add and thoroughly mix in the seasoning. Let it stand half an hour and grind again. Stuff and hang in a dry, cool place. After a week or 10 days, or when the skin is dry, take down and rub well with cornmeal, then place in a wood box with a sheet of brown paper between the layers.

Sausage may also be kept fresh, if fried, placed in a jar and covered with drippings. If not sufficient to cover them make up the deficiency with melted lard. Keep the jar well covered and in a cool, dry place.

25 Valentine Post Cards 10c



25 NO TWO ALIKE
 25 of the most beautiful post cards ever sold, 10 cents. All different, consisting of dainty Cupids, Etc., Text and Floral designs. Far better than our Christmas cards, and they were beautiful. Some are embossed and in gold, lithographed in many colors on a fine grade of cardstock.
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 New Victor Records demonstrated at all dealers on the 28th of each month



Victor-Victrola XVI, \$200 Mahogany or oak

How the Farm Agents Help

Demonstration Work in Kansas That Meant Much

BY EDWARD C. JOHNSON
Kansas Agricultural College.

THE district farm demonstration work in southwest Kansas will be continued. G. E. Thompson, demonstration agent for this region, who resigned his position October 1 to become field superintendent of the Kansas sub-stations, has been succeeded by Lee H. Gould, a graduate of the Kansas Agricultural college. Mr. Gould has managed a large farm since his graduation, and also an elevator and general store. He entered upon his duties October 1.

Mr. Thompson was very successful in his work and the plans which he started will be followed by Mr. Gould. Most of Mr. Thompson's time was devoted to encouraging better handling of the soil so as to conserve moisture, and to prevent soil blowing; to encouraging and helping in the building of silos, promoting the growing of forage crops instead of wheat and corn, giving information in regard to better cultivation and handling of the crops grown, and encouraging the handling of more and better livestock. He advocated only those practices which the Kansas Experiment station and its sub-stations, or long experiences in the region, had proved to be adapted to southwest Kansas. All the time he has been careful to encourage diversified farming rather than the growing of any special crop.

Results Speak For Themselves.

As examples of definite results of the work may be cited the stopping of blowing of the soil on a 90-acre field on the farm of C. A. Calkins, Syracuse; on the farm of D. F. Jones, Cimarron, and on many other farms in the region. The value of early blank listing for corn was shown on the farm of H. L. Cudney of Belpre. On this farm about 5 acres were blank-listed in March, 5 acres were double disked, and 5 acres were left without any preparation. The blank-listed area had a sufficient amount of moisture to germinate the corn properly and a full stand was secured; while the ground which was double disked contained more moisture than that which was not worked. The advantage of blank-listing, and double disked was apparent throughout the entire season, although none of the plots had moisture enough during this very dry season to make much grain.

Mr. Thompson was also able to pick out excellent examples of the value of summer fallowing and of early listing for milo on the farm of J. E. Kendall, north of Cimarron. On that farm a field of dwarf milo on summer fallowed ground made about 20 bushels of grain an acre this year. In a field adjoining this, on ground on which millet was planted last year the milo did not produce seed enough to be worth heading, although it produced considerable fodder. Adjoining this field there was another which was disked in the winter and blank-listed early in the spring. This field made about 12 to 14 bushels an acre in addition to a very good crop of fodder. A striking demonstration, indeed, of what proper handling of the land will do even in a year as dry as 1913.

That Grasshopper Fight.

The most striking result, perhaps, of Mr. Thompson's work in this district was the concerted fight on the grasshoppers which was started through his initiative, and the building of a large number of silos, which will stand as memorials in the region for years to come. Through the efforts of Mr. Thompson the county commissioners of Ford county organized a grasshopper poisoning campaign. George A. Dean, head of the department of entomology, was called upon for advice and direction as to how to prepare the poison. His directions were followed and large quantities of poison were distributed throughout Ford county. The success of the work was so striking that other counties followed this example and through the active work of the department of entomology of the Agricultural college and the district agents in western Kansas, grasshopper campaigns were organized in 12 counties and 874 tons of poison bran mash were distributed. This poisoning resulted in the exter-

mination of 75 to 95 per cent of the grasshoppers and the saving of many fields of sorghum, kafir and alfalfa. Farmers and bankers from each county where this campaign was carried on have reported that several thousand dollars' worth of crops that otherwise would have been destroyed, were saved. This lesson will be remembered in western Kansas for years to come.

Mr. Thompson also was partly or wholly responsible for the building of 30 silos of various types in the seven counties of the district. As a result it is believed that hundreds of silos will be constructed the coming year and even at this late date (October 10) a number of silos are being built in order to be ready for next year.

The Santa Fe railroad and the U. S. Department of Agriculture have been actively co-operating with the Agricultural college in supplying funds for the work in this region and some of the bankers and commercial clubs in towns in the territory have helped in paying the local expenses of Mr. Thompson. The Santa Fe railroad and the government will continue to co-operate in the support of Mr. Gould's work, which it is believed will result in permanent good to the region.

Alfalfa Grows Out There

BY S. O. GIBBS.

This picture shows my 27-acre field of alfalfa, one mile east of Goodland. The ground before being sown to alfalfa was in potatoes and truck. It was irrigated in furrows during the fall and winter. As soon as the frost was out of



S. O. Gibbs's Alfalfa Field, Goodland, Kan., June 13, 1913.

the ground, I cultivated and worked it down to a firm seed bed. It was drilled with a press drill, after a good rain in May. It was mowed twice during the following summer to aid growth and keep weeds down.

In the fall, I took an old lister, and cut the lathe off three inches on each side, leaving it about eight inches wide. With it I made furrows six feet apart and then irrigated. Part was watered during fall, part in winter and the rest

in early spring, allowing it to seep from furrow to furrow.

When the alfalfa was nicely started this spring, the furrows were harrowed nearly shut by weighting the harrow, and going crosswise, leaving a soil mulch which holds the moisture, exceedingly well in this part of the country.

The first cutting, in June, made about 32 tons. The second cutting, in July, made about 20 tons. These two cuttings were grown from the one irrigation. About 10 acres were irrigated the second time, and the third cutting was ready the first week in August, which made 10 tons.

The whole field could have been irrigated for a fourth crop in September, but as little rain has fallen this summer the water was used to irrigate cabbage, potatoes, melons, tomatoes, and other garden truck.

How Insure a Dependable Market

BY R. D. HENDERSON.

We frequently produce commodities for which we cannot find a market, and often if we do find a market, the returns are so small that they do not pay for the cost of production. What we should do is to organize as other business people. I suggest we try to bring a produce establishment to our town, one that will buy our potatoes, tomatoes, apples, cabbage and other products, in large or small quantities. Other towns have them.

Much is being said to encourage all farmers to produce at least a few cattle. I wish someone would suggest a way for that class of producers to realize on their stuff what it costs to produce it. I suggest that we organize and help them to a dependable market.

In selling cattle and hogs, we may start with a carload expecting to land on a good market, but, lo! our commission man tells us the market is off today. We take our dose, return home

and prepare to try it again when the market looks better. But the consumer tells me he never finds the market off.

Recently, at Carlsbad, N. M., I learned the alfalfa growers there had an agent to represent them and find a market for their hay. Possibly we could look after the marketing of our hay, get pay for the broken balers, etc.

We all know the producer does not set the price on anything he produces. I get corn quoted to me at a fixed price

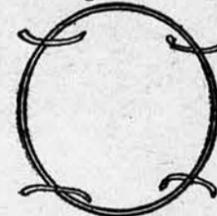
and a stated time for delivery. When I have corn to sell I may start to market and before I reach it, the price probably has declined. It is up to us to find a remedy, to organize.

Junction, Kan.

Device for Rolling Up Wire

[Prize Suggestion.]

Mr. Editor—I have lived on the farm all my life and the meanest job in farming was to roll up barbed wire before I used this device. I have five of them and they make wire rolling a pleasure compared to what it used to be. They are old wagon tires with four 15-inch strips cut from another tire, bolted or riveted on as shown. These strips are curved outward to keep the wire from slipping off.



Joe Effner.

Nashville, Kan.

Passing Comments give us something new every week, and is the part of the Mail and Breeze that I like best. The things that Capper and the paper stand for are for the uplift and better morals of the whole state. Hope he will make the race again. Thos. Exley. Cherokee, Kan.

THIS BIG, 3 1/2 FOOT TELESCOPE FREE

This is a real telescope and not a worthless toy. It is made by one of the largest manufacturers in Europe. When closed, as shown in picture, the telescope is 12 inches long, and has a circumference of 5 1/2 inches. When all 5 sections are pulled out the full length is over 3 1/2 feet. It is built of the best materials, brass bound throughout. We furnish with each telescope a solar eye piece for use in studying the sun and the solar eclipses. Eye piece can also be used as a magnifying glass to detect insects or germs in plants or vegetables.

Powerful Lenses 5 to 10 Mile Range

The lenses in this telescope are carefully ground and correctly adjusted by experts. See objects miles away. Farmer said he could count the windows and tell the colors of a house 7 miles away and could study objects 10 miles away which were invisible to the naked eye. Absolute necessity for farmers and ranch men. They can keep their eyes on the cattle, horses or men when far distant.

Our Offer!! We will send one of these big telescopes free and prepaid to all who send \$1.00 to pay for one year's new or renewal subscription to Mail and Breeze, and 12 cents extra for postage (\$1.12 in all). The Telescope is guaranteed to please you in every way or your money will be promptly refunded. Order at once. Address all letters to

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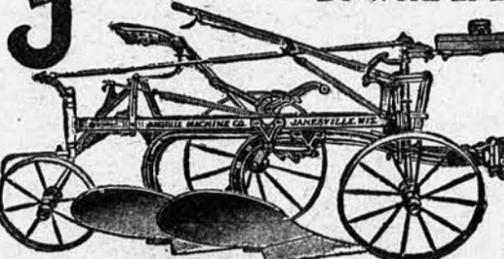


Do Championship Work In Your Own Fields

It's Easy With the Janesville

Now that you have heard how easy Janesville Plows won the sweepstake prize in all contests entered in Wheatland, Big Rock and Grant Park, Ill., last fall, let's bring your plowing into the championship class. You may not care for prizes but you do want top notch work. No other plow can duplicate the work of the Janesville. Champions of previous contests did their best but could not win until they used the Janesville.

JANESVILLE PLOWS With S. & S. Auger Twist Mouldboards, Do Work in the Field That Makes the Crop



They leave the ground well broken — all stubble and trash buried and the surface smooth and clean. Send for the souvenir Booklet and look at the photographs of fields plowed with a Janesville Plow. See the results that can be had with the S. & S. Bottom. It does not take a skilled driver to get first class work with this plow. John Webber, a 14 year old boy won first prize with a Janesville at Grant Park, Ill., Sept. 27, 1913.

Send in Your Name and learn how easy you can do fields with a Janesville. Light draft, flexibility, etc., are excellently taken care of—but it's the plow bottom that does the work and that's what counts. All makes of Janesville Plows can be equipped with S. & S. Bottoms, including walking plows. Write for the booklet and catalog. Address

Janesville Machine Co., 42 Center St., Janesville, Wis.

This Beautiful Souvenir Booklet Mailed FREE

to anyone who will write for it. Send in your name at once. See photographic views of field work that won prizes—also photographs of winners—their equipments, etc. Invaluable if you want good plowing. Write today.

A Puzzle For Mail and Breeze Boys and Girls

THE puzzle this week is bound to interest every farm boy and girl, and perhaps their fathers and mothers. The artist has drawn for us a picture of the time of year "when the frost is on the pumpkin and the fodder's in the shock." But there are several things to be noted in the picture that do not correspond with an autumn scene. What are they? For instance, the man would not be hoeing in the field after the pumpkins were ripe, nor would the birds be building a nest at that time of year. Other work of the artist is decidedly faulty. The Mail and Breeze is eager to have the mistakes pointed out. Don't stop with three or four. There are more of them than you would think at first glance.



For the best answer to this puzzle a special prize will be given of the book entitled, "Dumb Animals and How to Treat Them." This book is cloth bound, well illustrated, and just the kind of book every boy and girl will love to have. For the next five best answers the prize will be a set of postcards. In case of a tie the neatness and general appearance of the letter will be taken into consideration in awarding prizes. All answers should reach the office by January 20. Be sure to write in one corner of the envelope, "Puzzle Editor," and enclose no other business with your solution.

Capper Boys Win Again

STATE SHOW RESULTS.

Will H. Gronniger of Bendena, Kan., added to his laurels, won at the Capper Boys' Corn show, by landing the sweepstakes prize in the boys' class of the state show. His exhibit of ten ears at Manhattan received the purple ribbon and the silver loving cup given by the Kansas Crop Improvement association. This cup is valued at \$100 and will be the property of young Gronniger for one year, or as long as he can continue winning the sweepstakes prize at the annual shows. In addition to the cup, \$15 in cash prizes were awarded him.

Lawrence Gronniger state champion in two corn shows.

Lawrence Gronniger, a brother of Will's, was another Capper boy that won prizes at the state show. In the Capper show of December 13 his ear was an uncomfortably close second to that of his younger brother's. Chester Craig of Erie, Joseph Brox of Atchison, Charles Gambrill of Ottawa, Lewis Wyatt of Cottonwood Falls, Allen McGrath of Waverly, and Albert Jones of Ottawa, were among the other Kansas boys who won prizes in the boys' class of the state show at Manhattan.

Stop the Soil Blowing

It is the way the soil has been handled in the blown out areas of western Kansas, rather than the character of the soil, that is largely responsible for the damage done by wind every year in that section. If the land were kept rough or corrugated, blowing largely could be prevented, says W. M. Jardine, dean of agriculture at the Kansas Agricultural college. Dean Jardine says the farmers of the western counties must give more attention to the prevention of soil blowing.

"In many instances," said Dean Jardine, "land has been plowed for years with a disk plow, to a depth not exceeding 3 to 5 inches. Sometimes the

disk harrow was the only instrument used in preparing the seed-bed for wheat. Straw has been burned annually. Such land, of course, is soon in very poor physical condition, and under such conditions wind storms of 20 miles an hour have been known to do a great deal of damage.

"Keep the surface rough, or corrugated, if you wish to prevent blowing. The disk harrow pulverizes the ground too much. It is better to use a cultivator or a spring tooth harrow in sections where there is danger of the soil blowing badly. Listed ground blows very little, if the listing is done at right angles to the direction of the prevailing winds. Manure, straw, or trash furnish effective protection when spread upon the ground uniformly. The Experiment stations in western Kansas succeeded in checking the blowing out of fields of wheat by planting the wheat deeper than usual, so that the ground was left furrowed after drilling."

Heading Device for Kafir

[Awarded Third Prize.]

Mr. Editor—This contrivance makes a good kafir, cane, or milo header after these crops are in the shock. The heads are cut off while the fodder is in bundles or, if loose, it may be put under the knife by the armful. The knife is fastened to the rear end of a header barge. The knife is about 3 feet long and has a good wooden handle bolted to it. A 2 by 4 is bolted on the inside of the barge frame to form a slot for the knife. This knife works to perfection for me and the beauty of it is you have the heads loaded and ready to haul in as soon as they are cut.

Rosebud, N. M. H. N. Kerr.

This Pit Silo Paid

We have had good success with our pit silo. The silo goes into the ground 15 feet, and it extends 5 feet above the ground. There has been no trouble from

seepage. The silo is filled with kafir, corn and some alfalfa. The alfalfa silage was mixed with straw, at the rate of about one part of straw to two parts of alfalfa.
Herington, Kan. E. G. Munsell.

Dogs and Boys and Sheep

Here is how one farmer in Missouri solved the dog question in his neighborhood, says the Breeders' Gazette. To a number of the neighbors' sons he gave each a ewe lamb. Of course many of them started little flocks of sheep. Thus the dogs of the country became accustomed to sheep and had training to respect them wherever encountered. In any region, the more flocks there are the less difficulty with dogs. Try giving that neighbor's child a ewe lamb.

In Drouthy 1913

Mr. Editor—I raised a hill of Early Golden sweet potatoes in the northeast part of Cherokee county this fall which had in it two potatoes, weighing together 12 pounds. One of them weighed 8 1/4 pounds and the other 3 3/4 pounds. These potatoes were planted about the last of May and had no water all summer. They were dug just after the first frost.

B. F. Cook.

R. 4, Pittsburg, Kan.

Dairying Pays More Profit.

"It is in the year of crop shortage like this that the little herd of good milk cows comes to the rescue in defraying the family expenses." S. A. Meyer of

Saline county, Kansas, made this statement. "For several years I have been dabbling in farm dairying, and it pays me better than any other line on the farm."

Good Winter Feed for Dogs

Veterinary Medicine gives the following as a good winter feed for a good dog:

Rollod oats.....4 pints
Wheat bran.....2 pints
Soy bean meal.....2 pints
Canned salmon.....4 ounces
Stir up with water and cook. The use of skim milk instead of water improves the feed and adds little to its cost.

Pump Grind Saw
Made for hard use.
Wood Mills are Best. Engines are Simple
Feed Grinders, Saw
Frames, Steel Tanks.
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Agents wanted.
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Big 20 to 40 page illustrated monthly magazine of practical, common sense chicken talk. Tells how to get most in pleasure and profit from poultry raising. 4 months on trial only 10c. Poultry Culture, 800 Jackson, Topeka, Kan.

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Warranted genuine gold filled—will wear for years. Most valuable ring ever offered on such easy terms. Set with two Rubies and two Brilliants, latest style and most substantial mounting. A Ring that is sure to please. Who send 25 cents to pay for a year's subscription to our big home and story magazine "The Household" and 5 cents extra for mailing expense—just 30 cents in all. Be sure to say what size you want. Address HOUSEHOLD, Dept. 12-R, Topeka, Kansas.

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PURE BRED DUROCS. 100 pigs both sexes. They will please you. Write today. Coppins & Clemmer, Potwin, Kan.

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PAIR registered Jerseys. Grandson of Noble of Oaklands, 6 mo. Yearling heifer not related. Both solid colors. Price \$150. Jas. S. Taylor, Iola, Kan.

I WILL hold a breeders' sale at Wichita, Kan., February 19. If you have jacks, jennets, registered stallions or mares to sell, write for particulars. J. C. Kerr, Wichita, Kan.

AM LEAVING STATE, must sell imported, ton Belgian stallion, sound and sure; also black jack fifteen and half hands; good performer, sound and sure. L. Johnston, Allen, Kan.

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SWEET CLOVER, also tobacco. T. Mardis, Falmouth, Ky.

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SOURLESS CANE seed for sale. \$2.00 per bu. E. N. Redfield, Wilmore, Kan.

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SEEDS AND NURSERIES.

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SEED CORN—Reid's Yellow Dent and Iowa Silver Mine. Reference, Farmers Exchange Bank. Everman & Everman, Gallatin, Mo., R. 5.

SHAWNEE WHITE seed corn. Best yielder here in 30 years' trial. Adapted to upland or bottom. Seed, selected, tipped, shelled and graded \$2.00 per bushel. J. A. Ostrand, Elmont, Kan.

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ALFALFA HAY in car lots. Write or wire for prices. Geo. R. Wilson, Lamar, Colo.

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50 BBL. modern mill, Marion Co., Kan. \$1,000.00 cash; \$1,800.00 time. What have you? Mill, care Mail and Breeze.

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LANDS.

80 ACRES for sale. Address owner, Joe Shaw, Clyde, Kan.

FINE southern Oklahoma farms, some at forced sale. Act quick. Box 126, Mangum, Okla.

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NOTICE—All Gardendale land purchasers that bought land from Hust & Brundage report at Gardendale, Tex., Jan. 20th, 1914, for self protection. We are sued for right of title. John L. Tinsley, Gardendale, Tex.

240 ACRES. 75 acres alfalfa. 40 acres wheat. Cottonwood river valley, splendid farm—highly improved, 2 miles northeast Saffordville, Chase Co., Kan. No better farm in the county. \$100 acre. A. D. Tilson, St. Joseph, Mo.

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

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SEVEN passenger 60 horse power Winton six, fully equipped, self-starter, top and windshield. Cost \$3,000 when new. Can be bought at a great bargain. This is a great family car and has only been used by owner. Would also make profitable investment as livery car in country town. Smith & Sons Auto Co., 4513 Troost Ave., Kansas City, Mo.

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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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CAN USE a few experienced salesmen in Kansas to act as special representatives in good territory. Write Circulation Manager, Farmers Mail and Breeze, Topeka, Kan.

AGENTS WANTED for full line fruit trees and shrubs. Work full or part time, as you prefer. Draw up every week. We teach you. Outfit free. Lawrence Nurseries, Lawrence, Kan.

IF YOU ARE A LIVE ONE we want you on our staff. Male and female agents equally successful. Article sells for \$2.00 you keep \$1.00. Every housekeeper buys. If tired of worn out proposition try ours and make money. Whitney Mfg. Co., Dept. A, 1110 St. Clair Ave., Cleveland, Ohio.

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MEN OF IDEAS and inventive ability should write for new "List of Needed Inventions," Patent Buyers and "How to Get Your Patent and Your Money." Advice free. Randolph & Co., Patent Attorneys, Dept. 25, Washington, D. C.

WANTED.

WANTED—Fancy poultry breeders. Write us. Shelton & Co., Alcott Station, Denver, Colo.

WANTED wells to make. Any kind, size or depths. For rail roads, cities, factories, farmers, irrigation, and domestic uses. With suitable pump and power installed and in operation. A. M. Dillow, P. O. Box 444, Pueblo, Colo.

MISCELLANEOUS.

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packed with pictures, bumper crop hints, seed sense and down-to-date planting information with lowest possible prices on High-Quality Field and Garden Seeds. Anyhow ask for the free Pure Seed Book and particulars about "NITRAGIN," the wonderful seed inoculator
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Towanda, Home of the Percheron

(Continued from Page 8.)

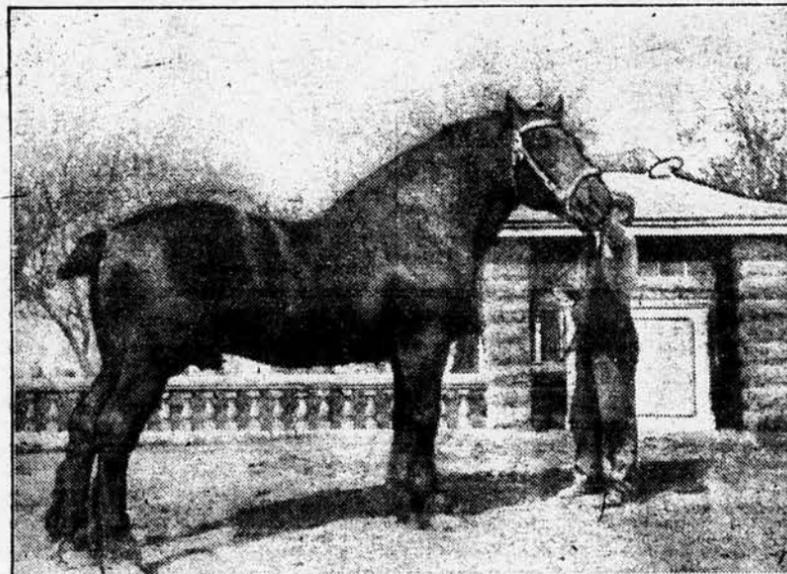
tion of the soil is started about a year before the seed is sown. It is plowed deeply in the fall, usually about 7 inches and the land is allowed to lay rough over the winter. This will tend to increase the supply of available plant food, and will put the land in good physical condition for the alfalfa that is to be grown later. The soil is worked down early in the spring, and oats is sown. Just as soon as the oats shocks are removed, the land is disked, and it then is worked, either with a disk or a drag harrow, after every rain until the seed is planted. The alfalfa seed usually is sown about the middle of August, if the moisture conditions are right.

About 125 acres each of kafir and Indian corn are grown. Mr. Robison so far has not built a silo, as he has wished to learn the results of the feeding tests with silage for horses, carried on at the experiment stations and at other breeding farms. About 175 acres is planted to wheat, which makes good pasture for the horses in the winter. This pasture made an especially good growth last fall; it was one of the best ever known at the Whitewater Falls farm. Forty acres was planted to sorghum for hay

There are six married hired men, who live in houses on the farm. These are roomy, and well built, and in addition to getting them rent free, the men receive fuel and a garden spot. A cow, chickens, two pigs and a driving horse are kept free. The wages is \$35 a month. The unmarried men, of whom at least five are kept all the time, receive \$25 a month, and they board with the married men, Mr. Robison paying their board. A horse is kept free for the unmarried men in the summer.

The buildings are very complete, one barn costing \$9,000. The house is equipped with all modern conveniences, including gaslights, and water and sewer systems. A huge collection of gold and silver trophies is one of the pleasing decorations of the home; they tell the story of the hundreds of show-ring victories. One of the most prized possessions of Mr. Robison is a beautiful oil painting of a group of Percherons, with Casino—the animal on which much of the success of the Whitewater Falls farm has been built—in the foreground.

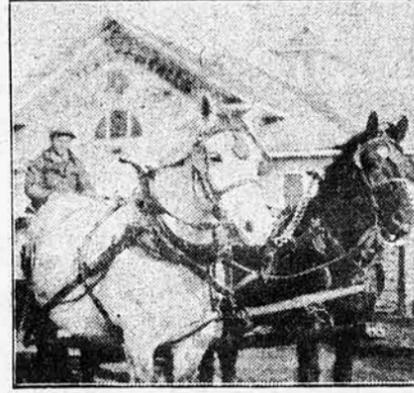
Mr. Robison believes in the value of college training in agriculture. He is a former student of the school of agriculture of the University of Illinois, and his oldest son will enter the animal husbandry course of the Kansas Agricultural



Casino, Percheron stallion, owned by J. C. Robison of Towanda, Kansas.

last year, and about 100 acres is in native grass. These, with the 400 acres of alfalfa and 125 acres of oats, take up most of the farm. The rest of the land is used for buildings, lots and the Whitewater river, which takes up quite a bit of land. The falls on this river, from which the farm takes its name, is near the buildings.

One of the most remarkable things about this farm is the labor organization Mr. Robison has built up. There has been much complaint in the last few years about the decline in efficiency of farm hired hands, but Mr. Robison has not been troubled with this. It is



Purebreds at work.

probable that the main reason for his remarkable success in handling the labor proposition is that he gives the men a square deal; he treats them fairly. This has not always been the rule on many farms where labor troubles have come. Mr. Robison has one man who has been with him 13 years, and several have been with him 10 years. Every unmarried hand has been a member of the organization at least five years, except one who was hired last fall. And yet it is alleged that unmarried hired men will not stay with their job. If that is a rule, this is the exception.

tural college as soon as he has finished high school.

Potatoes Can Be Improved

(Continued from Page 9.)

tubers are setting, sometimes earlier, and may be recognized by the concentric rings which surround the small brown spots. As these spots increase in size they present a "target board" appearance, until finally they coalesce and lose their distinct markings. The effect is to kill the leaves and greatly shorten the yield.

This disease may be controlled by the use of bordeaux mixture, 4-4-50, beginning when the plants are about six inches high, and repeating as often as is necessary to keep the plants covered.

All potato seed affected with potato scab or that which has come in contact with diseased seed, should be soaked for two hours before cutting, in a solution of 1 pint of 40 per cent formaldehyde in 30 gallons of water. After soaking, dry the seed, and cut and plant it in the usual way, in soil known to be free from the disease. Here again crop rotation is of the utmost importance, for without a proper rotation clean soil cannot be obtained.

Only during cool, damp weather in July is late blight of any great importance in Kansas. It may be controlled by spraying with bordeaux mixture as suggested for early blight.

A Dairy Show for Kansas City.

An agreement has been reached between officers of the Southwest Jersey Cattle club, the Guernsey Cattle club and the Southwest Holstein Cattle club, by which a dairy convention and show will be held in Kansas City in the fall of 1914. The object will be to show the development being made in farm dairying in the Southwest country.

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IONIA GIRL
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Wrong to Buy Anything For Rupture Without Getting Sixty Days Trial
A conservative estimate shows that nearly ten million dollars a year—in this country alone—is practically wasted on worthless rupture appliances—all because people trust to a mere try-on instead of making a thorough test.



Away With Leg-Strap and Spring Trusses
So far as we know, our guaranteed rupture holder is the only thing of any kind for rupture that 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 Cluete 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 humbugs—shows how old-fashioned worthless trusses are sold under false and misleading names. Tells all about the care and attention we give you. Endorsements 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.
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This Famous Sewing Awl
You can sew old or new harness, saddles, canvas, tents, rugs, carpets, quilts, shoes, grain bags and many other things. You can use any kind of thread in the Myers Awl, and it makes a lock stitch same as a sewing machine. It is very simple; a woman can use it as well as a man. It is one of the most practical devices ever invented. They are put up with two needles; one is straight and one curved, with a small screw driver and wrench combined. Also a reel of waxed thread with each awl ready for use. The cut does not show full size. With needle the awl is 6 1/2 in. long. It is the Myers Famous Lock Stitch Sewing Awl. It is the only Sewing Awl made with a groove running the full length of the needle, so as not to cut the thread when sewing, and has what is known as a diamond point. Every teamster and farmer should own a Myers Lock Stitch Sewing Awl, as there is use for one in almost every household. The Myers Awl is nicely finished, the metal parts are nickel plated, the needles and wrench are kept in the hollow handle which has a screw top.
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CATHOLICS, write T. J. Ryan, St. Marys, Ks.

F. C. BRACKNEY, Burlingame, Kan., sells right land and sells it right. Free list.

LAND BARGAINS in Neosho valley. Young & Sherwood, Exchanges, Burlington, Kan.

COFFEY CO. Best bargains. Alfalfa, wheat, corn lands. Harry Antrim, Strawn, Kan.

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640 A. 4 MI. NORTH JETMORE. Smooth, fenced, well watered; 200 cult. Price \$16.00. Terms. R. S. Mairs, Kinsley, Kansas.

OSAGE COUNTY BARGAINS. All Impr., near town. \$1,000 buys 80; \$2,500 buys 160. 110 a. for trade. E. E. Weeks, Burlingame, Kan.

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FORD COUNTY, KANSAS. Choice alfalfa, wheat and corn lands. Stock ranches on easy terms. L. L. Taylor & Co., Dodge City, Kansas. Established 1902.

DON'T MISS THIS 80 A. BARGAIN. Improved, near school, 4 mi. to Fredonia. Good soil. Will sell at \$35 per a. within 30 days. M. T. Spong, Fredonia, Kan.

LAND. Send for my price list of wheat, alfalfa and pasture lands, improved and unimproved, in Clark Co. Every one a bargain. C. W. Carson, Ashland, Kansas.

FOR SALE: 180 acres, improved, level farm; Catholic neighborhood, near fine church, sister's school. Ten priests. Easy terms. Wm. Graves, St. Paul, Kansas.

CAN YOU SEE AHEAD? 640 a. in grass; fenced; living water; smooth; close to school and phone. Price \$12.50 per a. Terms. Thos. J. Stinson, Spearville, Kan.

COFFEY COUNTY one of the best alfalfa and tame grass counties in Kansas. Write for farm and ranch lists. Andrew Burger, Burlington, Kan.

FINE RANCH BARGAIN: 5,160 acres, 600 under plow, well improved, never failing water; best bargain in the state, \$14 per acre. Write for list of farms and ranches. T. B. Godsey, Emporia, Kansas.

BIG BARGAIN. 120 acre bottom farm, good improvements, 3 1/2 miles town, 1/2 mile school; price \$35 per acre, if sold within 30 days. Gile & Bonsall, South Haven, Sumner Co., Kan.

FOR SALE. Ranch—2000 acres—Meade Co., Kan., all under fence, living water. Good grass. Good house, two barns. No better cattle ranch in Kansas. A Bargain. Address LOCK BOX 218, Fowler, Kan.

Northeastern Kansas Land for sale in the famous Bluegrass, Timothy, Clover and alfalfa district, \$50 to \$100 per a. Compton & Royer, Valley Falls, Kan.

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FARMS WANTED. For first class city rental property, all sizes. Write us. The Lindberg Real Estate Company (Missouri corporation), 1026 Scarritt Building, Kansas City, Missouri.

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To Settle Estate. 160 acres, three room house, large stable, bearing orchard, four miles from Pittsburg with 20,000 inhabitants. One of the best farms in Crawford county. This is a bargain. L. Belknap, Exr., Pittsburg, Kan.

Only \$1.00 Per Month pays for choice lot in "Pretty, Prosperous Plains." Price \$17.50 to \$50.00. This exceptionally attractive offer is causing rapid sales. Act quickly. Write for literature which will interest you. Mention this paper. John W. Baughman, Plains, Kansas.

Farm at Auction. One quarter section in Marion Co., Kansas. All fenced and cross fenced and all in cultivation. Large barn, 6 room house; three wells, one cistern, granary, chicken houses and other outbuildings. 7 miles from Walton and 8 miles from Peabody. 1 mile to school. Farm will sell to the highest bidder, January 15th, 1914. There is now \$3,500 mortgage on the place drawing 5%, running 3 years. Thompson Bros., Peabody, Kan. H. C. Loewen, Auct.

WE HAVE a fine list of Impr. and unimpr. farms. Rowland & Moyer, Ottawa, Kan.

320 A. KAY CO., Okla., 4 mi. Braman. 1 ml. school, phone, R. F. D. 250 a. cult.; bal. prairie grass. Fenced; 6 r. house, big barn; never failing water. \$18,000 cash or trade for land near K. C. Box 123, Mail and Breeze.

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FOR FARM BARGAINS write for list to J. E. Calvert, Garnett, Kan.

BEST LAND, LOWEST PRICES, greatest natural advantages in southeastern Kansas. Send for illustrated booklet. The Allen County Investment Co., Iola, Kan.

LINN COUNTY FARMS. Biggest bargains in Kansas. Corn, wheat, timothy, clover, bluegrass land \$15-\$80. Coal, wood, gas, abundance good water. Fruit, everything that goes to make life pleasant. Large illustrated folder free. Eby-Cady Realty Co., Pleasanton, Kan.

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Let Crops Pay For Land. I have such confidence in my Western Kansas irrigable land that I am willing to let your crops pay for it. Small cash payment, balance from percentage of what you grow. Ten years' time. One crop of alfalfa will more than pay for the land and pump. Address J. F. Rudd, 1111 W. College, Independence, Mo.

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80 acres for \$2,500. Terms \$300 cash, \$100 per year for 7 years, at 5% and \$1,500 10 years at 6 1/2%. 80 acres for \$3,200. Terms \$500 cash, balance about same as above. They are in good localities, near schools, will make nice homes, have some improvements on now, they will grow in value, they will make you a home. Why rent? Stop while you can. Come on first train. Write or wire us. They will go soon. Address The Allen County Investment Co., Iola, Kansas.

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800 acre stock and alfalfa farm; over 400 acres good alfalfa land; heavy sheet water 6 to 20 feet; 320 acres in cultivation, 40 acres alfalfa, 120 acres growing wheat; 30 rye, bal. for spring crops; two pastures, 125 and 320 acres; plenty living water, some timber; \$10,000 improvements; best modern residence in county; barns, sheds, granaries and fences in good repair; engine and windmill and elevated tank and pneumatic water systems; 6 miles from Hill City, 1 mile from Penokee; R. D. and telephone; fine roads, auto trail by the door. Price \$25,000, \$10,000 cash, bal. terms; no trades. Write to C. L. Kohler, Penokee, Kansas.

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160 ACRE FARM all in wheat now; looks fine. Exchange for merchandise. Watkins Land Co., Quenemo, Kansas.

HARPER COUNTY, KANSAS. One hundred sixty acre farm, three hundred thirty-five acre farm for east Kansas farms. J. M. Garrison, Attica, Kan.

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RANCH FOR STOCK FARM. We have 640 acres well improved 3 miles south of Monument, Logan Co. 500 acres in cultivation, 200 acres in wheat. Price \$13,000; clear. Will trade for corn and stock farm in eastern Kansas. Wilson & Bozell, Beloit, Kansas.

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160 ACRE FARM, 3 1/2 miles from town; 120 in cult. Bal. pasture and meadow. 4 room new house; barn, granary; fruit and good water. 50 acres wheat. Price for quick sale \$5,000. Reed & Brady, Salina, Kansas.

WE OWN 13,600 acres in fertile Pawnee Valley, smooth as a floor; best alfalfa and wheat land on earth. Five sets of improvements. Shallow water. Will sell eighty acres or more. Frizell & Ely, Larned, Kan.

I CAN SELL YOU the finest farms, not to be excelled anywhere for the price. For alfalfa and grain farms. Stock raising. Descriptions and prices on request. Cash and good terms. H. H. Stewart, Wellington, Kan.

GOOD FARM, house, barn. Three hundred twenty acres. Two miles of good town, 70 a. wheat. An excellent wheat and stock farm. Plenty of good water. If sold soon, sold at a bargain. Lock Box 218, Fowler, Ks.

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FOR SALE: FARMS and cut over lands. Write Ponder & Mizell, Forest Hill, La.

RED RIVER VALLEY LOUISIANA LAND is a deep rich soil—grows corn, cotton and all kinds of crops in abundance. Eight months' growing season, 55 inches rainfall, seaport only 200 miles away. This land now sells from \$6 to \$75 per a.

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FLORIDA, THE LAND OF FRUIT. Flowers and sunshine; good health; prosperity and solid comfort is waiting here for all who invest in homes on St. Andrews Bay. Address Richard McCloy, Lynn Haven, Fla.

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FOR FARM LANDS in Barry Co., Mo., write J. Y. Drake, Exeter, Mo.

YOU WANT AN OZARK FARM or ranch. What kind? Wesley Marion, Monett, Mo.

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160 A., OZARKS; 100 CULT., 2 sets bldgs., spring. \$1,700. McQuary, Seligman, Mo.

WRITE PERRY & BRITE for prices on stock, grain and fruit farms. Monett, Missouri.

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P. S. I HAVE A FEW improved forties and eighties that I can sell on easy terms. Have some exchange stuff. Write for book and list. J. A. Wheeler, Mountain Grove, Mo.

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HOWELL CO., MISSOURI. 120 a. farm 2 ml. from Pomona. 75 a. in cult. and orchard, 500 bearing trees, apple and peach, 100 a. fenced, 5 room house, good barn, 2 wells, cistern, phone line, rural mail. 1/2 ml. school. \$28, terms. Farms for merchandise or town property. A. P. Cottrell Land Co., Pomona, Mo.

FARM LAND—CATTLE RANCHES. For sale: 8,080 acre stock ranch for less than half its value. 5 miles long and 2 1/2 miles wide. Has 56 springs; 1 1/2 miles water stream. Best bargain in Missouri. If you want to raise beef and make a fortune this is your chance. For further information write or wire owner A. J. Johnston, Merchants National Bank, Springfield, Mo.

LANDS FOR SALE. Missouri, Kansas, North Dakota, Louisiana and Texas. Tracts for colonization.

FARMERS, ATTENTION. We have improved and unimproved farms in the above states, suitable for the growing of wheat, corn, cotton, sugar cane, oats, alfalfa, timothy, clover, potatoes and truck, also grazing lands. Let us know your wants, we can supply them at prices and terms that will please.

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Come to Howell County, Missouri. Get away from blizzards and drouth. Crop failures unknown, winters mild and short. Fine water, soil and climate. Send for list and descriptive pamphlet. The South Missouri Land Co., Mountain View, Missouri.

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10 acres of good land for \$250 on terms of \$5 down, \$1 weekly; no interest, no taxes; located in the great Missouri poultry belt near the state experimental fruit and poultry farms. You can't lose on this. Every dollar you pay goes on the price. We even pay the taxes. Write today. Merriam-Ellis-Benton, 603 Minnesota Ave., Kansas City, Ks.

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The best bottom sandy loam land, cut over timber, all drained or in drainage. As good corn, grass, clover lands as the best in United States. Sell tracts from 40 a. up. Improve any tract ready for plow, put buildings up for actual cost. Guaranteed 10 per cent clear income by rents besides big increase in value. Refer to J. C. Freland, Parker, Kansas, who investigated personally this country. For information write, F. GRAM, Naylor, Missouri.

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MINNESOTA FARMS for sale. Easy terms. Write A. G. Whitney, St. Cloud, Minn.

80 A. GOOD Minnesota land \$1,000. Terms. Other bargains. Foss, Milaca, Minn.

PAYNESVILLE LAND CO., sell Minnesota farms. Write for list. Paynesville, Minn.

SETTLERS WANTED for clover lands in central Minnesota. Corn successfully raised. Write Asher Murray, Wadena, Minn.

FINE IMPROVED Minnesota corn and dairy farms \$20 to \$55 per acre. Easy terms. Frick Farm Agency, Saux Center, Minn.

FREE government land: My official 250 page book and paper describes every acre in U. S.; contains township plats, tables, charts showing exact location. Sample copy free. D. J. Campbell, Pioneer Bldg., St. Paul, Minn.

NORTHERN MINNESOTA: The greatest natural cattle section. No drouths. Alfalfa, clover, corn, potatoes, are principal crops. Prairie or timber. Free information. We have no land for sale. W. R. MacKenzie, Immig. Com., 911 Palace Bldg., Minneapolis, Minn.

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SOUTHERN GEORGIA. Stock raising, fruit growing, truck farming, corn, oats, hay, cotton. No floods, drouths, nor cyclones. Improved and unimproved lands. Easy terms. Thompson & Company, Homeland, Georgia.

160 ACRES LAND near Montezuma. Would take automobile as part pay. \$600 cash, balance terms. Exchanges made. L. E. Pendleton, Dodge City, Kansas.

EXCHANGE FOR MERCHANDISE OR CLEAR LAND. 200 acres fine corn and alfalfa farm, 8 miles St. Joseph, 3 miles from small town, well fenced, good improvements. Price \$110 per acre. Mortgage \$8,000. C. D. Butterfield, Hamburg, Iowa.

Buy or Trade with us—Exchange book free Besiege Agency, Eldorado, Ks.

1914 BARGAIN S

Choice farms just listed in northwest Missouri, Iowa, Nebraska, for sale or exchange. Advise me your wants and what you have with full description. M. E. Noble & Son, 507 Corby-Forsee Bldg., St. Joseph, Missouri.

1000 Farms Wanted—

listed with me—sale or trade. Owners write me—giving complete description—what you will trade for—where, price, etc. If you don't mean business don't write. Frank W. Thompson, Beloit, Kansas.

For Sale or Trade for Land

the well established real estate, insurance and loan business of John H. Averill & Son; new 6 room house and garage, 3 acres of ground, 1912 Ford auto, half interest in ten year lease of 7 offices and hall. Moving to Denver on account of sickness in family. John H. Averill & Son, Luray, Kansas.

I Am the Owner

of several good pieces of property such as farms, ranches, city property, small tracts near city and other property. I prefer to sell, but if you have something I can use, I will trade. Some of the M. & B. readers have gotten some good bargains of me lately. Tell me what you have, and what you want, and maybe I have it. H. C. Whalen, 812 W. Doug, Wichita, Kansas.

To Exchange

160 acres in eastern Kansas for 10 or 20 acre poultry farm near good town or for clear cheap western Kansas land, equity \$7,000, mortgage \$5,000, 4 years.

M. W. Peterson, Hanston, Kan.

ARKANSAS

ARKANSAS FARMS for sale. Terms. List free. J. C. Mitchell, Fayetteville, Ark.

FREE AND POSTPAID MAP of Arkansas by counties. Leslie Land Co., Leslie, Arkansas.

170 ACRES; good improvements. Level, good water. Write E. W. Dawkins, Rogers, Ark.

WE HAVE BARGAINS IN FRUIT, stock and grain farms in northwest Arkansas. Springdale Land Co., Springdale, Ark.

\$60 DOWN BUYS 40 ACRE FARM, rain and corn belt, Arkansas. Send for list now. Leavitt Land Co., Little Rock, Ark.

FOR DES. LIT., city props., Ark., and Okla. farm, fruit, timber, grazing lands, write Moss-Ballou & Hurlock, Siloam Springs, Ark.

160 A. IMPR FARM; 60 cult., bal. timbered; orchard; 2 mi. Ry. town; on public road; no rocks. \$20 a. 1/2 down. E. Sessions, Owner, Winthrop, Ark.

532 ACRES mostly creek bottom; plenty water, and timber; good orchard; 2 mi. town; creek crosses place. Price \$30 per acre. Write Horton & Co., Hope, Ark.

17,000 ACRES, NO ROCKS, hills or swamps. Any size farms Grant Co. \$1.50 per a. down, bal. 20 years at 6%. Teter & Co., Op. Union Depot, Little Rock, Ark.

CORN, OAT, CLOVER land. Sure crops. No swamps, hills. Fine climate, schools, churches. Small pay't, 20 years, 6%. Write today, maps, circulars. Tom Blodgett Land Co., Elson, Ark.

80 ACRES \$1,000. 80 acres, part black land, \$800. 37 acre farm, \$500. 37 acre farm, \$550, \$200 cash payment. Get list of low priced farms. Wilton Land & Investment Co., Wilton, Ark.

QUIT RENTING and write Eugene Parrick, the land man, for fruit, grain and timber farms. Best prices, terms, water and climate in Ark., Missouri and Oklahoma. Describe your wants in first letter. Hiwasee, Ark.

70 ACRES, 1/2 CLEARED, 3 miles from city, \$20 per acre. Other good bargains. Write J. F. Black, Texarkana, Arkansas.

For Sale

One of the finest 765 acre ranches in Arkansas. Just 6 miles from the county seat of Baxter Co. 240 acres of the finest of bottom land in cultivation, balance is open timber with lots of open range; has two extra good houses and barns on it. Write for full description of this \$13,500 ranch. Also have the best improved 73 acre farm adjoining a little town. This is in Baxter Co. 2 good houses, 55 acres in cultivation. Price \$2,850. Good orchard on this place; school house on the land; only three blocks to the postoffice.
A. T. Garth, Royal Hotel, Cotter, Arkansas.

For Sale

117 acres, part in corporation of Cave Springs, a famous health resort and good railroad town, in Benton county, Ark. 60 acres fine bottom land, 25 acres level upland, balance in timber and pasture, all fenced and cross-fenced, two fine springs that furnish water by gravitation to a five room house with barn and other outbuildings. Land adjoining this selling for \$150 an acre. My price for quick sale \$125. No better bargain in this famous Ozark region, and you have all heard of the advantages of this noble country. Will exchange for part payment. Address the owner,
S. C. Robinson, Bentonville, Ark.

OKLAHOMA

GOOD FARMS FOR SALE; for particulars write to Harry E. Pray, Pawnee, Oklahoma.

WE SELL THE EARTH that produces alfalfa and corn. W. E. Wilson Realty, Walters, Ok.

EXCEPTIONAL BARGAINS in N. E. Okla. farms. T.C. Bowling, Pryor, Mayes Co., Okla.

ARKANSAS AND OKLAHOMA, improved, unimproved, grass, farm, and timber lands. Prices reasonable, and terms. Come and see. White, Stanley & Thomason, Westville, Okla.

595 A. 4 MI. R. TOWN this county. All prairie, bottom and second bottom land; all tillable but 70 a. No rock, no overflow. 3 sets improvements, good neighborhood. 125 a. cultivation. 200 a. meadow. \$16.50 per a. Southern Realty Co., McAlester, Okla.

CADDO COUNTY AGAIN WINS. First on agricultural products at State Fair. Write for information, corn and alfalfa lands. Baldwin & Gibbs Co., Anadarko, Okla.

CANADA

COME TO SO. ALBERTA. Land of wheat, alfalfa, cattle, good markets. Delightful climate. Have several special bargains. Weber Land Agency, Lethbridge, Alberta, Canada.

SOUTHERN ALBERTA, the country for you. Heavy crop yields; country particularly adapted to stock raising on account of mild winters and easy accessibility to water; unlimited supply cheap domestic coal within few miles of our lands. We own and will sell to actual settlers 50,000 acres choice land close to markets at reasonable prices and terms. If you mean business and are looking for a new home where opportunities are practically unlimited, write Helgerson Land Co., Lethbridge, Alberta. Ref.: The Merchants Bank of Canada.

COLORADO

We Want Farmers

Why buy cut-over, or wild lands in the Frozen North? We can locate you on half-section relinquishment for \$350. Will produce 30 to 35 bushels wheat and corn per acre on sod. Fine hay, good dairy country, 10 to 40 feet to water. Only 12 miles from this city. Land level and soil fertile, clay subsoil. Finest climate in the world. Come and get your choice.
Cutler & Layton, Fort Morgan, Colo.

Eight-Cent Hogs Are Back

A High Record for January—The Market Forecast

By C. W. METSKER, Market Editor

THE eight-cent hog returned to the market last week. Chicago and St. Louis reported a number of sales at \$8 to \$8.25, and the high price at river markets was \$8.05. January prices last year were a full half dollar under these quotations. Only in two previous Januarys in the last 17 years has \$8 or better been recorded. In 1910 and 1911 sales were reported as high as \$8.75 and \$8.15, but none have ever sold as high as \$9, in the first month of the year. Since 1908 the January price has ranged from \$5.25 to \$8.75. It is still a question of doubt whether this month's prices will go much higher. Heavy receipts are anticipated. Last week's advance carried the market to a point where \$7.50 or better was justified at shipping points. On that basis packers figure on increased supplies for next week.

An Optimistic Market Outlook.

Market conditions are materially improved by the advent of the new year. The next few months will be a season of expansion in trade, adjustments of credits, easing up in the money situation and better feeling in general. Drouth years have an effect that usually extends until another crop is assured. That the 1913 dry spell caused a movement of livestock that will have to be replaced in 1914 cannot be doubted. On that basis an early buying movement is expected, and a contraction in the selling. Scarcity of beef in the West and fairly liberal supplies in Chicago, seems to be the outlook for January. That considerably less beef will be available in the first half of this year than in the same period of 1913 is the general prediction. This is based on the general shortage of feed, and the great shortage of cattle on feed west of the Mississippi river. Beef, pork and mutton seem to promise a simultaneous shortage, and demand cannot be shifted from any one owing to relatively lower cost of the others.

Fat Cattle Selling Readily.

Killers have been routed from their indifference in regard to supplies, and last week kept the alleys hot hunting good steers. They have cast off their discrimination in regard to weight and heavy steers now seem as acceptable to buyers as the light weight steers were in early December. It is a case of getting beef for urgent needs. Cold weather has broadened demand for beef, and the reported onslaught from importing sources has ceased to terrify the trade. Butchers are re-stocking and killers now seem to have an outlet for all the dressed beef they can procure. The wholesale price of beef has been advanced 1 to 2 cents a pound in the last 10 days, and that in itself is sufficient evidence that killers anticipate higher prices in cattle, live weight. Offerings have lacked primeness, but such a condition will be an old story before the season is completed. Steers that approach the finished class are selling at \$8.50 to \$9, and short fed grades \$8 to \$8.50. Quality considered these quotations are higher than a year ago.

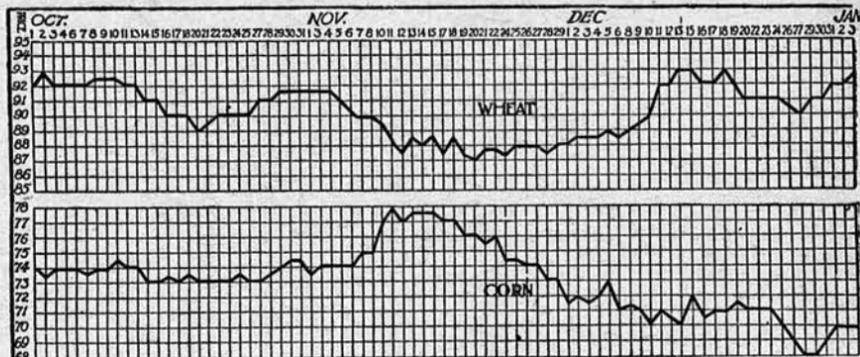
No Letup in Butcher Demand.

The new year has added nothing new to the butcher cattle demand, except killers are a little more anxious for supplies and receipts in the West are small. Some bunches of cows are coming from wheat fields, but the general run is made up from dairy districts. No prime heifers have been offered. In-

dications are that the next three months will see high prices for cows, heifers, bulls, stags, and veal calves.

Will Buy Thin Cattle.

After the big 1913 movement of stockers and feeders there are still a number of bare spots in the supply and countrymen are still anxious for offerlings, willing to pay high prices and risk the weather. Few, however, are available now, and general quality is none too



This chart shows the daily fluctuations of the Kansas City wheat and corn markets since October 1, 1913. Highest cash prices on each grain were considered in making out the chart.

good. The Southwest producing section will soon come out of its shell and be prepared to make contracts for spring delivery. Such contracts will have to do with Kansas, Oklahoma and northwest deliveries.

Higher Lamb Prices Making.

Lambs sold in about the same position as hogs last week, tops going at \$8 to \$8.25, and plain kinds as low as \$7.50. These prices were lower than those of a year ago, but well up to the high level of the season. January receipts are not expected to be particularly large, though the logic of feed scarcity is an early movement of short fed grades. Sheepmen expect \$8 to \$9 for lambs this month, and higher prices in February and March. Mutton grades maintain about the same relative price position to lambs they have shown all season, though killers are regarding yearlings with more favor.

Last Year's Livestock Receipts.

Total receipts of cattle, hogs and sheep at the five western markets in 1913 show a decrease of more than 200,000 cattle, an increase of 75,000 sheep, and practically the same number of hogs as in 1912. Bare figures indicate nearly normal supplies. 920,000 cattle were sent back to the country from Kansas City alone. Hog receipts, though nearly the same in numbers were the lightest in average weight since 1902. Figuring this year's supply on the pound basis there was a gross shortage of 340 million pounds. The following figures show receipts of cattle, calves included, hogs and sheep at each of the five western markets, together with totals in years 1913 and 1912.

CATTLE		
	1913	1912
Kansas City	2,318,800	2,147,200
Chicago	2,956,400	3,158,700
Omaha	961,500	1,017,200
St. Louis	1,100,000	1,199,900
St. Joseph	446,550	494,400
Total	7,782,250	8,017,400

HOGS		
	1913	1912
Kansas City	2,567,800	2,523,300
Chicago	7,540,000	7,180,000
Omaha	2,539,000	2,886,250
St. Louis	2,581,000	2,529,900
St. Joseph	1,858,900	1,969,900
Total	17,086,700	17,089,350

SHEEP		
	1913	1912
Kansas City	2,094,750	2,135,000
Chicago	5,900,000	6,055,000
Omaha	3,220,000	2,950,500
St. Louis	947,800	1,030,600
St. Joseph	811,500	728,850
Total	12,974,250	12,899,950

Price Comparisons.

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. 1914 1913	1914 1913	1914 1913	1914 1913
Chicago..	\$9.30 \$9.50	\$8.35 \$7.60	\$7.10 \$7.20
Kan. City	9.00 9.25	8.15 7.50	7.25 7.50

Active Opening in Horse Trade.

The new year started a rush movement of horses. Increased demand had been expected following the holidays and materialized with the South the principal buyer. The southerners wanted fat mules and a class of medium weight horses in good condition. Both kinds were in fair supply. The South is expected to buy freely for the next three months. Farmers and cotton growers there have begun preparations for seeding. Eastern demand and inquiry for the central belt is still small.

Silos and Wheat Affect Corn.

Corn in Kansas, Oklahoma and Nebraska is bringing 70 cents up and new corn

in Kansas City is quoted at 62 to 68 cents a bushel. High prices together with the silo and wheat pasturage have greatly curtailed the general use of corn. This economy has swung the market prediction from a very bullish outlook to one of diversified opinions. The opening prospects for the 1914 corn crop will have greater effect on the market than anything else in the next five months.

Wheat Plentiful; Prospects Bright.

Elevators throughout the country are loaded with wheat, and farm reserves are still large. The same condition is true of oats, though elevator stocks are relatively larger than farm reserves. Prices for both are relatively lower than corn and below the average of the past few years. The wheat situation is further weakened by the excellent prospect for fall sown wheat. The only appre-

	Wheat	Corn	Oats
Chicago...	96c	\$1.10	70 47 1/2
Kan. City..	93 1/2 c	1.06	68 1/2 45 40 1/2

hension is that the growth of wheat has been so rapid that extreme changes in temperatures will have a material effect on ultimate yields. The following comparison shows prices on best grades of wheat, corn and oats at Kansas City and Chicago for this date and one year ago:

	Wheat	Corn	Oats
Chicago...	96c	\$1.10	70 47 1/2
Kan. City..	93 1/2 c	1.06	68 1/2 45 40 1/2

Hay Prices Higher.

Cold weather following a season of moisture has placed country roads in an unfavorable condition for hauling and receipts of hay last week were light. Prices for prairie and alfalfa hay were advanced 50 cents a ton and all other grades were in active demand. Dealers say that the recent advance will probably increase the movement in the next few weeks. Shipping demand has improved with colder weather.

Kansas City Hay Quotations.

Prairie, No. 1.....	\$15.50@16.50
Prairie, No. 3.....	8.50@12.00
Timothy, choice.....	17.00@17.50
Clover mixed, No. 1.....	15.00@16.00
Clover, choice.....	15.00@15.50
Alfalfa, choice.....	17.50@18.00
Straw.....	6.00@6.50

Seed and Feed Prices.

Alfalfa is quoted at \$7.50@9 a cwt.; clover, \$8.50@11.50; timothy, \$3.75@4.50 a cwt.; cane seed, \$1.80@2.40; millet seed, \$1@2. Feed prices: Kafir is quoted at \$1.68@1.69 a cwt.; bran, \$1.00 at \$1.02; shorts, \$1.18@1.28; corn chop, \$1.29; rye No. 2, 61c a bushel; feed barley, 52@55c a bushel.

Broom Corn Market.

The new year thus far has not stimulated demand for broomcorn. Growers reported unfavorable conditions for marketing and ware house men say that broom makers are still buying in small lots. Quotations are nominal, \$60 to \$40 a ton, but it will take a period of active trade to establish the market on a permanent basis. It is generally conceded that demand will be more urgent by the middle of the month.

Butter, Eggs and Poultry.

Elgin, Jan. 5.—Butter this week is firm at 35 1/2 cents. Kansas City, Jan. 5.—Prices this week on produce are: Eggs—Firsts, new white wood cases included, 33 1/2c a dozen; seconds, 20c; current receipts, 32 1/2c. Butter—Creamery, extras, 34c a pound; firsts, 32c; seconds, 31c; packing stock, 19 1/2c. Live Poultry—Broilers, 17 1/2c a pound; spring chickens, 14c; hens, No. 1, 18c; No. 2, 8c; young roosters, 11 1/2c; young turkeys and turkey hens, 17 1/2c; young ducks, 14c; geese, 13c.

Produce Prices Now and One Year Ago.

	Butter	Eggs	Hens
	1914 1913	1914 1913	1914 1913
Chicago....	35 1/2 35	32 24	14 12 1/2
Kan. City...	34 34	33 1/2 23 1/2	14 11 1/2

He Will Sell Feed

I have 100 tons of silage, the straw from 200 acres of wheat and 160 acres of grass which I will sell and feed for \$650.
Frank Dale.

Coldwater, Kan.

Alfalfa Seed For Sale

Mr. Editor—I have 60 bushels of good, clean alfalfa seed. I would sell at \$6 a bushel, sacks furnished free on two-bushel lots F. O. B. Lawrence, Kan.
Lawrence, Kan. W. E. Dodds.

VIRGINIA

Virginia Farms and Homes

FREE CATALOGUE OF SPLENDID BARGAINS. R. B. CHAFFIN & CO., Inc., Richmond, Va.

WYOMING

FREE HOMESTEADS. Use your right on the best homestead to be had. Write A. P. Knight, Jirch, Wyoming.

IDAHO

Homedale, Idaho, 6 months old. Has hotel, bank, electric lights, and water works. Lots and acreage on payments. Homedale Townsite Co., Minneapolis Minn.; Boise, Ida.

TEXAS

CORN, COTTON, potatoes and rice are making our farmers good money. Prices from \$25 an acre up. A few special bargains. Fidelity Immigration Co., Eagle Lake, Tex.

BIG CROPS, BIG MARKETS, BIG PROFITS. In the Houston, El Campo district of the Gulf Coast. Write us for Free Booklets, "Where Farming Pays," "Pointers on Where to Buy Land," also "The Gulf Coast Bulletin," for six months free.
Allison-Richey Land Co., Houston, Texas.

BARGAINS IN GULF COAST LANDS. FACTS about the Mid-Gulf-Coast Country of Texas. Production, climate, rainfall, soil, markets, water. Large or small tracts. Write at once for free booklet and price lists. Reference given.
John Richey & Co., Binz Bldg., Houston, Tex.

Kansas Needs Livestock Farming

BY W. A. COCHEL.

Livestock farming or livestock breeding is a more profitable system to follow than the exclusive production of grain and forage crops without feeding them to livestock. In the first place, the livestock farmer is able to make as great a profit from the growing of his crop as the grain farmer. In the second place, he has additional profit that is due to feeding of the crops to livestock. In the third place, he has the additional profit due to returning to the land the by-products of the feed lot thus increasing his yield an acre from year to year.

It makes little difference whether one is engaged in the production of horses, beef cattle, dairy cattle, sheep or hogs, the fundamental principles involved are alike. It is a question then of the amount of labor that is available, of the location of the particular farm as to which class or type of livestock one should produce. There seems to be no argument that can be advanced which will eliminate livestock from our system of farming. The history of the countries of the world is that those which have eliminated livestock from their system of farming have eventually become known because of their abandoned farms and a lack of prosperity among the people as a whole.

As yet there has been no permanent and profitable system of agriculture built up without the use of livestock in any country. It may be that some system will be devised, but we only have the records of the past by which to judge the future. Another factor which we should not overlook is that any system of farming which does not involve the use of livestock eventually develops into a highly specialized system, the growing of one crop such as wheat or corn or cotton.

If we study the people that are living on the farms in those sections of the country where the special crops are grown to the exclusion of all others, we find invariably that they are usually unhappy and dissatisfied because of the fact that their time is not profitably occupied throughout the year. In other words, they must work for two or three months almost day and night and the remainder of the time they are idle, and with farmers as with others, idleness through long periods of time breeds discontent. It is possible in Kansas to build up as profitable a system of livestock farming as can be found any place.

How Is Your Pit Silo Feed?

Last summer when it got dry here many farmers, myself included, made pit silos. Some farmers put the feed in without cutting it and it is getting mouldy. I know of one farmer whose feed has all rotted. I bought a cutter for mine and the feed kept much better than that not cut before being put in. But I must say that the feed in a pit silo does not keep as well as in a stave silo. The feed along the wall in a pit silo gets mouldy and is not fit for horses, in rainy weather, especially. The plaster breaks from frost, several feet down, and comes loose.

A pit silo is better than none but I prefer a stave silo. I have tried both. The feed along the wall in a pit silo is

dry and mouldy. Some farmers believe the moisture goes out through the cement plaster. This can be remedied by washing the walls with cement water. I would like to hear from other readers of the Mail and Breeze in regard to their experiences with pit silos.

Hill City, Kan. Joe Hemmy.

The Burden of the Farmers

It is not my intention to try to discourage scientific farming, for I believe the most up-to-date scientific methods should be applied to every phase of our social and economic system; but as it is today, the average farmer's condition is such that it is impossible for him to apply the most up-to-date methods to his industry. The majority of the tillers of the soil are renters and those who have mortgages hanging over them. The paramount question with them is, "What crop will be the most profitable, or what will bring in the most money this year?" The conservation of the soil for future generations does not appeal to the renter who is likely to have to move off the farm within a year. He raises the crop that he believes will bring him the most money, regardless of whether it is detrimental to the soil. The farmer who has a mortgage on his farm must figure on paying his interest and taxes, so he works the soil to the limit, and reasons that when he gets out of debt he will build up the soil by seeding it down or some such method.

I am not condemning the farmers for robbing the soil, for their economic condition forces them to do it. For instance, the 1900 census report shows that more than 82 per cent of our farmers have an average income of less than \$460, from which they must hire help, pay taxes, buy farm machinery and educate and clothe themselves. According to this report the income of the majority of farmers is less than the income of the average wage worker. Is it any wonder that the farmers' sons are flocking to the cities?

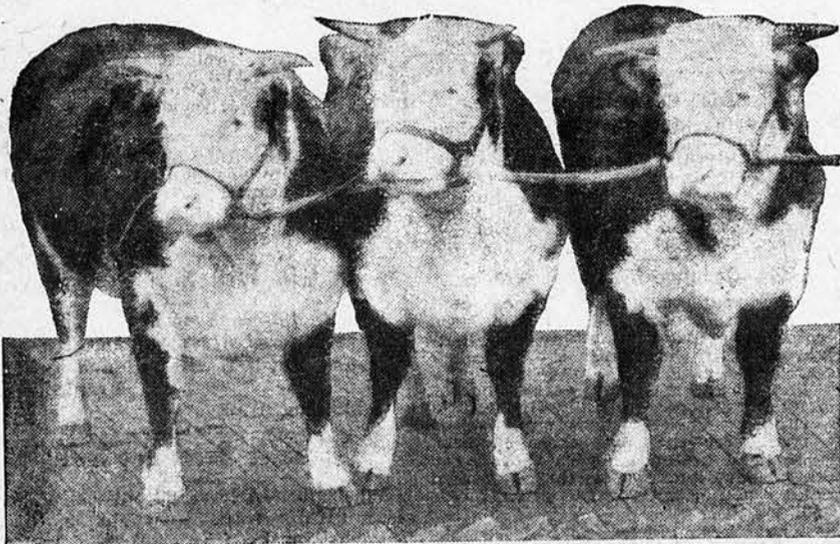
Under present conditions it is obvious that the income derived from the farm is not sufficient to justify the average farmer in applying scientific methods to farming, because that would mean a temporary decrease in the income, as it would take time for them to adjust themselves to the new methods. Consequently it seems to me that there is just one thing for the farmers to do, and that is to organize for the purpose of controlling the price of their products and force society to give them remuneration enough to enable them to apply scientific methods to their farming.

Now I have been taught that this government recognizes the fact that the greatest number, or the collective welfare, was the highest law. If there is no method under the system of individual ownership of land by which the land can be conserved, then I hold it is the duty of the government to exercise the right of eminent domain and take over the land and farm it with the most up-to-date methods under the supervision of experts and conserve the land for future generations.

James T. Fidler.

McLouth, Kan.

If you need anything not advertised in this issue of Farmers Mail and Breeze, write us and we'll tell you where you can get it.



These good Herefords are typical of the offering Mousel Bros. will sell at Cambridge, Nebr., Jan. 28. Write for catalogue.



Percheron Horses at Auction

Tuesday, January 27, is the date of Lee Brothers big Percheron stallion and mare sale at the Agricultural college, Manhattan, Kansas. In this sale are included the entire show herd with the exception of imported Scipion the great stallion whose picture appears herewith and the champion mare which was sold to go to Honolulu. It is a wonderful offering of great stallions and mares. Lee Brothers, Harveyville, Kansas, are recognized among the foremost importers of the country and are well known exhibitors at well known horse shows. The offering at the Agricultural college on the above date will prove one of real attractions to farmers and breeders alike. In next week's issue of the Farmers Mail and Breeze will appear a one-half page advertisement of this sale with further and more complete information about this big offering.

A Great Sale of Jacks and Jennets, Cattle, Horses and Mules

Kiowa, Kan., Thursday, Jan. 29, 1914

commencing at 10 o'clock A. M., promptly.

37 Jacks and Jennets

22 Jacks ranging in age from weanlings to 8 years old. 9 head coming three years old; 6 head coming 2 years old; 5 weanlings, one herd jack, black, mealy points 16 1/2 hands high, very heavy boned, good as can be found anywhere. One 5-year old brown jack, 15 1/2 hands, a good one. 15 jennets, all young and in foal. One jennet with jack colt by side. 20 head of mules, weanlings to 7 years old.

25 Head of Horses

consisting of some good, heavy mares in foal to jack, and some well-broke driving mares. One registered trotting bred mare, four years old, a fine single driver. One fine family mare, 5 years old, weight 1,200 and safe for any lady. Some nice yearling and 2 year old colts. One registered trotting bred stallion, 3 years old, black, weight 1200, well broke, a good single driver. He is by Thornfield, with a mark of 2:10 1/2, is a beauty, and a fine prospect. One registered Percheron stallion colt coming two years old, fine and very large, sire and dam both imported, is one of the best colts you will find for his age.

95 Head of Cattle

15 Head of Jersey Cows and Heifers, all purebred stock, but not registered. 10 head of calves, 70 head of 2 year old steers, all native stock and a nice bunch.

NOTICE: Will keep steers on wheat at regular price per month, if desired by buyer. Sale at farm 1/2 mile from town. Free automobile conveyance.

I. N. GREEN, Kiowa, Barber Co., Ks.

Auctioneers—Cols. Pete Powelson, Bob Harriman and Jno. Snyder.

WHAT BREEDERS ARE DOING

FRANK HOWARD,
Manager Livestock Department.

FIELDMEN.

A. B. Hunter, S. W. Kansas and Oklahoma, 614 So. Water St., Wichita, Kan.
 John W. Johnson, 820 Lincoln St., Topeka, Kan., N. W. Kansas and S. Nebraska.
 C. H. Walker, N. E. Kansas, N. Missouri, 1326 West 37th St., Kansas City, Mo.
 Ed. J. Dorsey, S. E. Kansas and S. Missouri, Girard, Kans.

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.

Poland China Hogs.

Jan. 24—Roy Johnston, South Mound, Kan.
 Jan. 26—Jones Bros., Council Grove, Kan.
 Jan. 31—A. D. Jones, Dunlap, Iowa.
 Feb. 3—J. H. Hamilton & Son, Guide Rock, Neb.
 Feb. 11—H. C. Graner & Son, Lancaster, Kan.
 Feb. 12—Thos. F. Walker & Son, Alexandria, Neb., at Fairbury, Neb.
 Feb. 17—L. E. Klein, Zeandale, Kan.
 Feb. 18—J. H. Harter, Westmoreland, Kan.
 Feb. 19—W. Z. Baker, Rich Hill, Mo.
 Feb. 21—J. L. Griffiths, Riley, Kan.
 Feb. 26—A. J. Swingle, Leonardville, Kan.
 Feb. 26—W. R. Webb, Bendena, Kan.
 Feb. 27—W. A. Davidson, Simpson, Kan.
 Mar. 1—John Kimmerer, Mankato, Kan.
 March 1—Herman Groninger & Sons, Bendena, Kan.

Duroc-Jersey Hogs.

Jan. 24—E. Clauff, Central City, Neb.
 Jan. 25—W. E. Monasmlth, Formoso, Kan.
 Jan. 30—B. Price, Mankato, Kan. Durocs.
 Jan. 31—M. Rinehart & Son, Smith Center, Kan.
 Feb. 3—Well Bros., Herkimer, Kan.
 Feb. 6—Carter, Asherville, Kan.

Bloomington, Ill. C. W. Hurt, Mgr., Arrowsmith, Ill.

Jacks and Jennets.

Jan. 29—I. N. Green, Kiowa, Kan.
 Feb. 7—Jas. A. Godman, Devon, Kan.
 Feb. 24—H. T. Hineman & Sons, Dighton, Kan., and Dorsey Hutchins, Sterling, Kan. Sale at Sterling.
 Mar. 9—G. C. Roan, La Plata, Mo.

Combination Livestock Sales.

Jan. 29—I. N. Green, Kiowa, Kan.
 Feb. 12-13—L. E. Wooderson, Mgr., Caldwell, Kan.

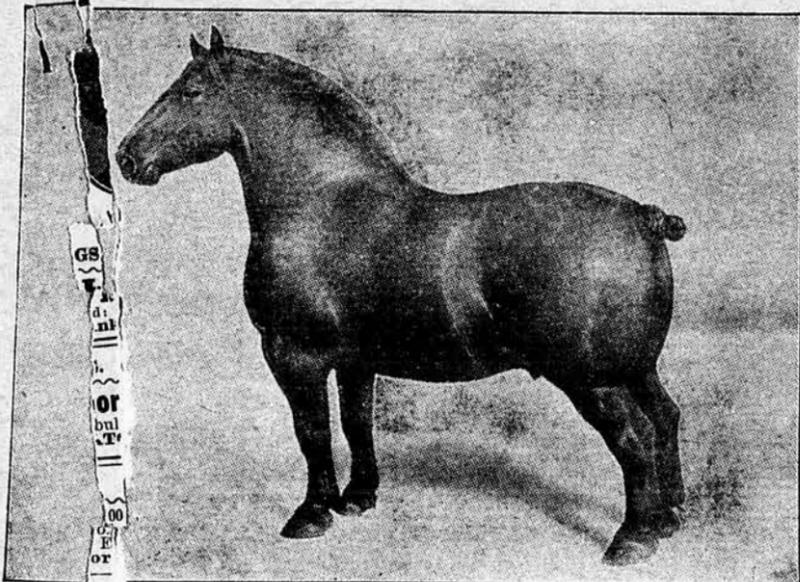
S. W. Kansas and Oklahoma

BY A. B. HUNTER.

Remember that if you want bargains in Holstein dairy cows, W. G. Merritt & Son, Great Bend, Kan., have a choice lot and they are as good as the best and at rock bottom prices. After reading display ad this issue either write or better arrange to call at their dairy farm and look them over. There is no better place to find high grade Holsteins.

Wiley's Imported Percherons.

L. R. Wiley of Emporia, Kan., is offering special bargains in 125 stallions and mares. The offering includes imported Percherons, Belgians and Shires. Mr. Wiley says that he has more ton stallions in his barns than can be found in any other breeding and importing establishment in the West, and that he will make special prices on these for the next 30 days in order to make room for his next consignment which is due to arrive at Emporia early in February. The accompanying illustration is a picture of the imported Percheron stallion, Lesbrin 104126 (98909). This horse is 2 years old and is one of the good ton horses to be seen at the Wiley



Imported Percheron, Lesbrin 104126 (98909).

Feb. 9—E. Camp, Formoso, Kan.
 Feb. 10—A. L. Cultural College, Manhattan, Kan.
 Feb. 11—Thos. son Bros., Garrison, Kan.
 Feb. 18—Geo. J. Schwab, Clay Center, Neb.
 Feb. 21—Daw. J. Shuck, Burr Oak, Kan.
 Feb. 25—A. Cross, Guide Rock, Neb.
 March 7—E. L. Wunsell, Herington, Kan.
 Mar. 11—W. L. Jety & Sons, Winfield, Kan.
 Mar. 12—G. Jorman, Winfield, Kan.
 March 12—J. Hard Rothgeb, Pleasant Green, Mo.
 March 25—W. H. Mott, Herington, Kan.
 Apr. 8—S. W. Alfred & Sons, Enid, Okla.

Berkshires.

Feb. 10—Agricultural College, Manhattan, Kan.

O. I. C.'s.

Feb. 6—Chas. H. Murray and H. L. Bode, combination, sale, Friend, Neb.

Shropshire Hogs.

March 14—R. E. Fisher, Winside, Neb.

Jersey Cattle.

Mar. 5—E. W. tt Hayes, Hiawatha, Kan.

Hereford Cattle.

Jan. 24—Jon. Bros., Council Grove, Kan.
 Jan. 28—Mot. l Bros., Cambridge, Neb.
 Feb. 19-20—Assn. sale Nebraska Hereford Breeders' Grand Island, Robt. Mousel, Neb., Mgr.
 Feb. 21—Cam. nkhouse, Gabbert and others at Kansas City, R. T. Thornton, Mgr., 3625 Charlotte St.
 Mar. 31-April 1—Breeders' sale at Kansas City, R. T. Thornton, Mgr., 3625 Charlotte.

Shorthorns.

Feb. 26—Hoadley & Sigmund, Selden, Kan.

Percheron Horses.

Jan. 27—Lee Bros., Harveyville, Kan.; sale at Manhattan, Kan.
 Jan. 29—Snyder & Stalons, Oskaloosa, Kan. Dispersion.
 Feb. 4—Lewis J. Cox, Concordia, Kan.
 Feb. 18—W. S. Boles & Sons, Enid, Okla.
 Feb. 25—J. C. Robison, Towanda, Kan.
 March 19-20—North & Robinson, Grand Island, Neb.

Percherons, and Other Draft Breeds.

Jan. 27-28-29-30, 1914—Breeders' Sale,

barns. If interested in good Percherons write Mr. Wiley and mention Farmers Mail and Breeze.

Herefords and Poland Chinas.

Jones Bros., Council Grove, Kan., will disperse their entire herd of Herefords and Poland Chinas. The cattle will sell Saturday, January 24, and will consist of 20 bulls and 60 cows and heifers, including 40 cows and heifers with calves at foot, and most of all rebred. Their entire show herd and all of their good herd bulls go in this sale. They have sold the ranch and everything goes without reserve. Fifty Poland Chinas, 25 horses, 35 cows, feed, implements, etc. Here will be a good place to buy Poland China breeding stock. These hogs are good and will likely sell far below their value as the cattle will consume most of the attention from the buying public so if you want Poland China bargains remember they will be sold together with the horses and farm sale articles, Monday, January 26. Send today for catalog.

Jacks, Horses and Cattle.

I. N. Green, Kiowa, Kan., will sell at his farm 1/4 mile from Kiowa, Kan., January 29, beginning at 10 o'clock a. m., 37 head of jacks and jennets. They consist of nine coming 3-year-olds, six coming 2-year-olds, five weanlings and two excellent herd jacks, including Mammoth Jr., a 16 1/2 hand jack. Fifteen head of jennets will be sold, all of breeding age in foal to these good jacks. Included will also be 20 mules from weanlings to 7 years old. These young jacks are the kind that will grow into big rugged sires. They are now in the rough but in a thriving condition and will not bring near the money they should. The fact is this is a big jack sale and Mr. Green will have more and better jacks and jennets than the buying public are liable to be aware of, hence they will likely sell below their value. Remember that 25 horses also sell, including a number of standard bred and registered horses, including family drivers and speed prospects. He will also sell 70 head of 2-year-old steers and other cattle, including 15 purebred Jersey cows and heifers, not registered. Think this over, 37 jacks and jennets, 20 head of mules, 25 head of horses and 95 cattle. This sale surely will have stock you can use. Read the display ad on another page and write for catalog or sale list of what interests you. Please mention Farmers Mail and Breeze.

POLAND CHINAS.

Polands With Size and Quality Boars and bred sows for sale, sired by Waechters Referees and King Hadley, Cholera immune Lambert Bros., Smith Center, Kans.

20 March Boars by Blue Valley Look King Hercules, Big Ben (Phfander) and Ott's Big Orange. (J. O. James.) Mature dams. J. F. FOLEY, (Norton Co.), Oronoque, Kan.

Sunny Side Poland Chinas Pigs of September, 1913, farrow for sale. Have sold all my spring boars and bred sows. J. G. BURT, Solomon, Kansas.

Fifty BRED BIG BONE POLAND CHINA SOWS BRED TO THE GRAND CHAMPION SHOW MALE OF 1913 KING HADLEY and KING JOHN (greatest Sr Yearling male of 1913. Sale FEB. 19. W. Z. BAKER, RICH HILL, MISSOURI.

KLEIN'S TABOR VALLEY HERD Some choice January Poland China boars by Chief Price 61067. Also two Sept. boars same breeding. Fall gilts, bred or open. Tops of 30 February boars. All out of big mature dams. Satisfaction guaranteed. L. E. KLEIN, Zeandale, Kan.

AClearance Sale of Bred Sows I am offering FIFTY bred Poland China sows of the Big Bone, Big Northern Type of all ages at a greatly reduced price for 30 days: HOWARD ZAHN, CONCORD, ILLINOIS

One Hundred Poland China Sows Pay the price and take your choice. Pedigree and guarantee goes along with the sow. Ben Frank, Jefferson City, Missouri. WRITE IN ENGLISH OR GERMAN

Fairyview Herd of Poland Chinas We have a fine lot of bred sows of the same breeding that we sell breeders for herd hogs. First class breeding and a pedigree goes with every sale. P. L. WARE & SON, Paola, Kansas.

EVER GREEN STOCK FARM Offers 20 extra good Poland China bred gilts, 10 boars that will weigh 200 pounds and 60 fall pigs good enough for 1914 prize winners. Extra large type. E. E. CARVER & SON, Guilford, Missouri.

Joe Hemmy's Graham County Herd of Polands. Herd Boars: GOOD QUALITY. HEMMY'S HADLEY, by Blue Valley Quality. Spring boars for sale. Also fall boars just weaned. Prices reasonable. JOE HEMMY, HILL CITY, KANSAS.

Dean's Mastodon Poland Chinas Serviceable boars and bred sows sows 65 inches long, bone 8 1/2 in., and 34 inches high. I have some 3-year-old and gilts. VACCINATED AND IMMUNE. Herd headed by Mastodon Price, Columbia Wonder and Gritter's Longfellow 3d. Everything guaranteed and sold worth the money. Phone Dearborn; station, New Market, and postoffice, Weston, Mo. Address CLARENCE DEAN, WESTON, MISSOURI.

Robinson's Mammoth Poland Chinas! My herd boars weigh from 800 to 1,025 lbs. Now have for sale the greatest lot of spring pigs I've ever raised. Sired by and out of my prize winning boars and sows. Get my prices, description and guaranty. My terms are: If you are not satisfied return the hog and I return your money. F. P. ROBINSON Maryville, Mo.

Roy Johnston's Annual January Poland China Brood Sow Sale

WHAT a difference a sentence, one word, or even a letter often makes! For instance, the name **ROY JOHNSTON** at once makes one think of **SOUTH MOUND, KAN.** Then we think of his many, many successful Poland China Hog Sales and of course his Annual Mid-Winter Date of January 20th, 1914.

The name **ROY JOHNSTON** suggests to our minds at once that we will expect on the 20th of January to see gathered together sixty head to be sold of the very best on record, and we know they will be there because they always have been.

When buyers see the name **Roy Johnston, of South Mound, Kansas**, they write for catalog from nearly every state in the Union. They do so because he has a national reputation, because he is one of the largest Poland China Breeders in the world.

Buyers want to know the reliability of the breeder. They want to know what kind of a guarantee is behind the purchaser. They want to buy of a breeder of high standing. It enhances the value of the hog and adds much to the standing of their own herd.

The number of hogs Roy Johnston has sold over the states and foreign countries number up in the thousands. His customers are many. Roy Johnston's dealings make friends; friends make customers; customers create lots of business. This is why he raises five hundred head each year for his trade.

When you buy a hog of **ROY JOHNSTON** it means you have gone into partnership with him. If your name is not on his mailing list, get it on, and he will send you a catalog. If your name is not on his stub book, buy a hog and get it there.

Remember the annual sale date of January 20th and write for a catalog.

ED. R. DORSEY, FIELDMAN FOR THE CAPPER FARM PAPERS.

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, Kan.

Large Type Polands Spring and fall yearling boars, large mellow fellows. Large smooth bred gilts and 10 extra good bred sows. Best of big type blood. Write today. A. E. ENOS, Ramona, Kan.

Joe Baier's Polands 40 spring boars, a few choice fall boars, sows and gilts bred or open. Satisfaction guaranteed. Let me know what you want. J. M. BAIER, ELMO, Dickinson Co., KAN.

15 Spring Boars tops from 32, sired by Mogul's Monarch, Gebhart, and Long King. Also two good fall yearlings. Gilts reserved for Feb. 18 bred sow sale. Write for descriptions and prices. J. H. HARTER, WESTMORELAND, KAN.



1000 lb. Grand Champion, 11 in. bone 50 pigs, either sex, this fall farrow, sired by Kansas Mow and out of sows by Advance. Others sired by Advance. These pigs are fine and priced for quick sale. Paul E. Haworth, Lawrence, Kansas



LIVESTOCK AUCTIONEERS.

J. P. Oliver Newton, Kan. Livestock and Real Estate Auctioneer. My 20 years experience insures better results.

Spencer Young, Osborne, Kan. Livestock Auctioneer. Write for dates.

W. C. CURPHEY, Salina, Kansas Write, phone or wire for dates. Address as above.

COL. T. E. GORDON, WATERVILLE, KANSAS Merchandise Auctioneer. Write for open dates.

CHAS. M. SCOTT Livestock Auctioneer Hiawatha, Kansas

G. A. Drybread The Auctioneer Elk City, Kan. Live Stock and Farm Sales made anywhere. Prices reasonable. Give me a trial. Satisfaction guaranteed.

JESSE HOWELL Berkimer, Kan. Livestock Auctioneer Write or phone for dates.

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

JAS. W. SPARKS Live Stock Auctioneer MARSHALL, MO.

B. O. BROADIE Livestock Auctioneer Winfield, Kas. Write or phone for dates.

L. R. BRADY Manhattan, Kansas Livestock Auctioneer Write or wire for dates.

Will Myers Sedot, Kan. Is already booked on leading breeders' sales in Central Kan. Choices dates still open. Write or wire.

W. B. Carpenter Livestock Auctioneer 1400 Grand, KANSAS CITY Also Land Salesman

John D. Snyder HUTCHINSON, KANSAS LIVE STOCK AUCTIONEER Wide acquaintance and practical knowledge of draft horses and pure bred live stock, all breeds.

Be an Auctioneer

Travel over the country and make big money. No other profession can be learned so quickly, that will pay as big wages. Write today for big, free catalogue of Home Study Course, as well as the Actual Practice School. Next term opens Jan. 5, 1914.

MULE FOOT HOGS.

Mule-Footed Hogs The coming hogs of America. Hardy, resist disease, the best rustlers known; pigs ten to sixteen weeks old, \$50 pair. Cheaper free. DR. W. J. CONNER, LABETTE KANSAS.

DUROC-JERSEYS.

Red White and Blue Herd of Durocs FIRESTONE (138461) Champion winner weighed 500 pounds at 18 months old. WHISKEY and FAITH 23317 Grand Champion at American Royal, weighed 300 lbs. at 18 months old. Great lot of prize sows in my herd. JAS. L. TAYLOR, OLEAN, MISSOURI.

Guaranteed Immune Duroc Sows

Duroc-Jersey bred gilts for sale, guaranteed, immune and in farrow. I ship on approval. No money down before inspection. F. C. CROCKER, FILLEY, NEBRASKA

TATARRAX Herd DUROCS

Write us today describing the kind of Duroc you want. We have the best young boars we ever raised. They are by G. M. S. Tat. Col. and the grand champion Tatarrax. Prices reasonable. HAMMOND & BUSKIRK, NEWTON, KAN.

Stith's DUROCS

Sows and gilts bred to and young boars and gilts by Model Duroc, one of the best sires of the breed. His half brother and sister were grand champions. His sire was a champion. Write today. CHAS. STITH, Eureka, Kansas

Good E. Nuff Again King

Sensational Grand Champion; and Crimson Wonder 4th, second prize, Kansas Fair, 1913. Fifty head of great sows and gilts sired by and bred to these great boars. W. W. Otey & Sons, Winfield, Kansas. The men with the guarantee.

MAPLEWOOD DUROCS

Boars all sold. 40 open and bred gilts for sale. Will ship on approval. Write for prices. W. H. MOTT, HERINGTON, KANSAS

Quivera Place Durocs

Spring Pigs now ready and going. Write for prices. E. G. MUNSELL Herington, Kansas.

Bonnie View Durocs

Bred gilts and fall pigs for sale. They are sired by Grand Champion Tat-A-Walla and S. & C's. Col Searle & Cottle, Berryton, Kansas.

HILLSIDE DUROCS

Two good boars priced to sell and deliver quick, for immediate service. Wire us. W. A. WOOD & SON, Elmdale, Kansas

N. W. Kansas and S. Nebraska

BY JOE W. JOHNSON.

R. P. Wells, Formoso, Kan., is offering for sale choice heavy boned Duroc-Jersey summer boars, sired by Buddy O. K. Also the herd boar Tat's Chief, a grandson of old Tatarrax. This herd boar has made good in Mr. Wells' herd and is sold for no fault. Now would be a good time to buy a summer boar, sired by Buddy O. K., at a reasonable price. The first litter sired by Mr. Wells's new herd boar, Crimson Defender, was farrowed December 22. It is a great litter but why not when the breeding and individual merit of the sire is considered. Write Mr. Wells about a summer boar. Mention this notice or his advertisement in the Jewell county breeders' section in Farmers Mail and Breeze.

Chas. H. Murray and H. L. Bode, O. L. C. breeders of Percheron, Neb., have changed the date of their bred sow sale from February 3 to February 6. The sale will be held on that date and 50 picked fall yearlings, tried sows and spring gilts will be sold. In breeding this offering of sows they have used seven different boars and the quality, breeding and variety that will be found in this sale is remarkable. It is one of the big opportunities to buy choice individuals and breeding from the two best known herds of O. L. C. hogs in the West. Their advertisement will appear in the issue of January 17. You can ask them to book you for a catalog now. When you write them they would be glad to have you tell them where you saw their sale mentioned.

February 4 is the date of the Percheron horse and jack sale to be held by Lewis J. Cox, Concordia, Kan. Mr. Cox is a well known breeder at that place having been in the business there for 15 years. Because of ill health he is compelled to disperse his stallions and jacks. He has made money in the business and until but recently had no thoughts of selling. The sale will be held at his own breeding establishment in Concordia. Arrangements will be made to have on hand a nice collection of the young colts sired by these popular sires. Mr. Cox is well and favorably known to the farmers and business men of that section and every animal will be sold with a positive guarantee. Liberal terms may be had as Mr. Cox is in a position to grant very liberal terms to anyone giving good reference. Write him for further information.

Headley & Sigmund, Selden, Kan., have sold their ranch at that place and on Thursday, February 26, will disperse their great herd of Shorthorn cattle. This herd was established near Cedar Rapids, Iowa, over 20 years ago and brought to Kansas when they bought the ranch at Selden several years ago. It has constantly been strengthened since it was brought West and on the above date this dispersion of Shorthorn cattle will mark one of the important events in Shorthorn affairs of the season. The sale will be held in Norton, to better accommodate their customers and friends. The offering includes every registered Shorthorn on the farm and will be high class. There will be a nice lot of young bulls of serviceable ages and a fine lot of young heifers and cows. Catalogues will be ready soon. You ask them to book you for one now and you will get it as soon as it is off the press. When writing tell them where you saw their sale mentioned.

Imported Percherons and Belgians.

Wolf Brothers of Albion, Neb., are among the leading importers of draft hucues of the state. Their importations include both Percherons and Belgians and their horses are as good as can be bought in Europe. This firm maintains a large breeding establishment in addition to their importing business and can supply our readers with home bred stallions and mares of extra quality. They are making special low prices for the next 30 days in order to make room for their next importation. We recommend interested readers of this paper to write Wolf Bros. for photos of their horses. Kindly mention Farmers Mail and Breeze when writing.

Crocker Ships on Approval.

F. C. Crocker, Filley, Neb., the well known Duroc-Jersey breeder has made it a practice for a number of years to ship stock on approval. He has found it a highly satisfactory way to do business. He is probably the most extensive breeder of registered Duroc-Jerseys in Nebraska. He is the president of the State Swine Breeders' association and takes an active part in everything looking to the betterment of the hog industry in the West. Mr. Crocker whose advertisement appears regularly in this paper reports extra good sales for the past few months. His boar trade was good. He is now offering choice bred gilts, guaranteed immune, for sale. No money down but pay when you get the sow and find her all right. Write him today for further information.

N. E. Kansas and N. Missouri

BY C. H. WALKER.

A recent letter from Col. Jas. W. Sparks of Marshall, Mo., informs us that he is rapidly filling his date book for this winter and that while there will not be as many sales this winter as usual he has a very nice business for the coming months, thank you. When a man follows one profession for over 30 years and each succeeding year records bigger and better accomplishments, more friends and a bigger field—when a man does this, there is but one answer and that is that he has made good. Col. Sparks has been so long before the public, has conducted so many successful sales and has such a clean record that he does not need eulogizing, but in that record is a suggestion for every breeder of pedigreed livestock who is contemplating a sale. And the point is this, that a man of Col. Sparks's ability is at your service and he gives the man holding a sale the value of his experience and wide knowledge at a cost that is in no way commensurate with the value of his services.

The Kansas City Hereford Sales.

R. T. Thornton, manager of the annual Hereford sales held at Kansas City, announces that the offerings for the two sales under his management will contain the best lot of Hereford cattle ever sold in these sales at the pavilion at the stock yards. The first sale is made up of consignments from the herds of Funkhouser, Gabbert and others and will be held as usual on the

Royal Scion Farm Durocs. The great Graduate Col., assisted by Col. Scion, heads this herd. Fall and spring boars, fall and spring gilts bred or open and fall pigs, either sex. G. C. NORMAN, R. 10, WINFIELD, KANSAS.

DUROC-JERSEYS.

Smith's Durocs Fashionably bred boars, including grandsons of the great Graduate Col., and a herd-heading son of the champion, Tatarrax. Also spring boars. J. R. SMITH, NEWTON, KANSAS

MODEL AGAIN Duroc boars. \$15.00 Bred gilts, \$35.00 Immune. R. W. BALDWIN, Conway, Kan.

Dreamland Col.—Riverbend Col. March boars by these sires. Prices right. Write for descriptions and prices. Leon Carter, Asherville, Kans.

DUROC-JERSEYS Herd boar, by Model Top, Watson's Col., 8 tried sows and fall pigs. Best of breeding. R. C. WATSON, Altoona, Kansas

DUROCS OF SIZE AND QUALITY Herd headed by a son of B. & C's Col. Immune spring boars and gilts of Tatarrax Col. Ohio Chief and Neb. Wonder breeding at farmers prices. JOHN A. REED, Route 2, Lyons, Kansas.

Duroc-Jerseys—Big Type Big, strong yearling boars. Easy spring boars, summer boars and small boar pigs. Any kind of Durocs you want. Also Red Polled bulls, and Percheron stallions. Satisfaction guaranteed. Prices right. GEO. W. SCHWAB, CLAY CENTER, NEBRASKA.

BANCROFT'S DUROCS We hold no public sales. Nothing but the best offered as breeding stock. Choice March and April boars \$25.00. Bred gilts to farrow in March and April, \$35.00. September pigs, pairs and trios not main. Customers in 11 states satisfied. Describe what you want. We have it. D. O. BANCROFT, Osborne, Kansas

BIG TYPE UNPAMPERED BERKSHIRES

150 sows bred to Fair Rival 10th, King's 4th Masterpiece, Trusty's King's Trusty's, and a great show Duke 50th, Big Crusader and Earl's 1st to Deacon King's 10th Masterpiece. All long large and heavy boned. Sows farrow from Aug. 1st to December 1st. Open gilts and boars ready for service. Not a poor back or foot. Every mule's money's worth. E. D. KING, Burlington, Kansas

Jewell County Breeders' Association. Members of this association, advertising below will offer nothing but first class animals for sale for breeding purposes. F. W. Bevington, Pres. O. I. C. HOGS. HAMPSHIRE HOGS. W. Kyle, Secy.

O. I. C. SEPTEMBER PIGS for sale also White Holland Turkey toms DR. W. W. SPENCER, Mankato, Kansas

POLAND CHINAS. A. R. REYSTEAD, Mankato, Kan. Breeder of high-class Poland Chinas. Member Jewell Co. Breeders' Association. Correspondence solicited

Polands, Shropshire Sheep 100 Spr. pigs, both sexes, strictly big type. Ram lambs. Write for prices. Ira M. Swihart & Son, Webber, Kan.

50 BIG BOARS Spring farrow. Big and smooth. Priced to sell. Also choice gilts. Bred Sow Sale March 10. JOSEPH MORGAN, HARDY, NEBR.

Three June Boars sired by Jumbo Ex Toppest I have ever raised. For sale right Bred Sow Sale March 4. JOHN KEMMEKER, Mankato, Kan.

Bell's A. Wonder 61891, one of the best of old A. Wonder, priced to sell. Immune and guaranteed. Ira C. Kyle & Son, Mankato, Kan.

FALL AND SPRING BOARS for sale. Also spring gilts and summer yearlings. Bred Rocks, R. 1 Reds and W. Wyandottes. W. A. McINTOSH, Courtland, Kan.

PRIVATE SALE Spring boars and gilts. Also fall gilts. Best of big type breeding. Ask for prices and descriptions. TUDOR J. CHARLES, Republic, Kans.

DUROC-JERSEYS. Durocs—Bourbon Red Turkeys Spring boars priced low if you write at once Bourbon Red Turkeys at \$6.00 each E. M. MYERS, BURR OAK, KANSAS

SUMMER BOARS Choice heavy boned fellows, by Buddy O. K. Also herd boar, Tat's Chief for sale. R. F. WELLS, FORMOSO, KANSAS

25 SPRING BOARS of fashionable breeding. Priced to sell. Bred sow sale January 29. Ask for prices and descriptions. N. B. PRICE, Mankato, Kan.

Fall Boars and Gilts Sired by Model Chief and Crimson Burr. Pairs and trios not related. Bred Sow sale at Burr Oak, Feb. 21. DANA D. SHUCK, BURR OAK, KAN.

50 Duroc Bred Sows Feb. 9. Five spring boars for immediate sale. Good. Write for Bred sow catalog. E. A. TRUMP, FORMOSO, KANSAS.

SPRING BOARS for sale reasonable. Write for descriptions and prices. Up to date breeding. Also a few gilts. R. C. MADSEN, JEWELL CITY, KAN.

10 Good Spring Boars priced right to move them quick. JOHN McMULLEN, Formoso, Kansas

40 SPRING PIGS of March and April farrow. Priced to sell. No public sale this season. C. C. THOMAS, WEBBER, KANSAS

DUROC-JERSEYS.

PIGS BY THE GRAND CHAMPION I am offering 25 Duroc-Jersey male pigs sired by Col. Wonder, 1st at the Mo. State Fair 1912. 1st and grand champion Mo. State Fair 1913. Write CHAS. L. TAYLOR, Olean, Missouri

MCCARTHY'S DUROCS Handsome fall pigs, either sex. Champion blood on both sides. Priced for quick sale. They will please you. Daniel McCarthy, Newton, Kan.

BERKSHIRES. BUY BERKSHIRES FROM BAYERS. They sell SWORTHORN BU LLS too J. T. Bayer & Sons, Yates Center, I. Kan.

Hazlewood's Berkshire's! Choice spring boars and gilts priced to sell. Write today. W. O. Hazlewood, R. 2, Weights, Kansas

Walnut Breeding Farm BERKSHIRE boars and gilts, spring farrow, grandsons of Barron Duke 50th, Big Crusader and Earl's 1st to Deacon King's 10th Masterpiece, also an imported bred outstanding 2-year-old boar and a few good Hereford bull calves. Leon Watts, Winfield, Kan.

Berkshire Pigs Choice pigs, either sex, 10 to 16 weeks old, sired by ROBINHOOD PREMIER 2d, or Adam, a son of Rival's Lord Premier. Nothing but the very choicest specimens shipped. Price: registered crates F. O. B. here—one \$25; two \$35; three \$50. W. J. CRIST, Oza, Kan.

Hampshire Hogs No stock for sale at present. Wanted, S. S. Hamburg chickens. ROY HAGGART, Mankato, Kansas

OSCAR GREEN'S SHORTHORNS Popular breeding proposition. OSCAR GREEN, MANKATO, KANSAS

POULTRY. White Holland Turkeys Toms \$4 to \$8.00. Hens \$3.00. 50 to 100. My Duroc-Jersey bred sow sale Jan. 29. Everything immune. W. E. Monasmith, Formoso, Kan.

Wyandotte Cockerels \$1.00 each. 2 Shorthorn bulls, each one and two years old, \$75 each. Mankato, Kansas

White Holland Turkeys White Rocks, White Cochins, Bantams, in Ducks, White Fan Tail Pigeons Stock for sale. A. E. G. HAN, Courtland, Kan.

GUERNSEY CATTLE. W. E. EVANS, Jewell, Kan. Breeder of Guernsey cattle. Nothing for sale now, but watch the space.

JERSEY CATTLE. Jersey Heifers that will free in Jan., Feb. and March. Your fall yearlings bred, six heifer calves 10 months old. Write for prices. J. W. Berry, Jewell City, Kan.

D. S. POLLED DURKINS. Cows and Heifers also last spring bull calves at \$100 each. If sold this fall. R. T. VAN DEVENTER & SON, Mankato, Kansas.

PERCHERONS. PERCHERON Stock for sale. Always good horses. In service. H. G. MYER, HARDY, NEBR.

AUCTIONEERS. John Brennan & Son, ESBON, KANSAS. WRITE OR PHONE FOR DATES

M. S. HOYT, MANKATO, KAN. Write or phone Livestock Auctioneer for dates.

Frank Regan Livestock Auctioneer ESBON, KAN. WRITE OR PHONE FOR DATES.

Ole Hanson, Livestock Auctioneer Mankato, Kan. Write or phone for dates.

DAN GALLAGHER, Jewell City, Kan. LIVESTOCK AUCTIONEER Write or phone for dates.

HAMPSHIRE.



SPECIAL PRICES
on Pedigreed young Hampshire boars, bred sows and gilts. Call on or write,
J. F. PRICE, Medora, Kan.

Registered Hampshires Spring boars and gilts priced to sell. Every hog properly vaccinated.
C. E. LOWRY, OXFORD, KANSAS

HAMPSHIRE HOGS FOR SALE. Some fine spring boars and gilts. Also weanlings. All well bred. Price Moderate.
E. G. L. HARBOUR, BALDWIN, KAN.

Pure Bred Hampshires
Some extra choice, well-bred spring boar pigs for sale.
ALVIN LONG, Lyons, Kansas.

F. H. PARKS, Olathe, Kansas
Dear Sir—The Hampshire Sows arrived in good shape and am well pleased with them.
FERRYLIN RANCH, El Dorado, Kansas.
We receive letters just like this after every shipment.

O. I. C. HOGS.

ELM BROOK HERD OF O.I.C.'s.
Harry W. Haynes, Meriden, Kas

50 O. I. C. Pigs
Henry Kamping, Elmore, Kansas.

Registered Herd Boar, 400 lbs. \$50
80 Fall pigs, either sex. New blood for old customers.
F. C. GOOKIN, RUSSELL, KAN.

Murray's O.I.C. Bred Sows
and gilts for sale. Fall and spring boars and fall pigs of both sexes.
Chas. H. Murray, Friend, Neb.

SUNNYSIDE O. I. C. HOGS
Boars and gilts ready for service. Pairs not related. Best breeding. Priced to sell!
W. H. LYNCH, READING, KANSAS.

EDGEWOOD O. I. Cs.
Three extra good early spring boars, also big growthy April gilts, open or bred to order. A few choice fall pigs. Mention Mail and Breeze.
Henry Murr, Tonganoxie, Kans.

Grandview Stock Farm
Herd headed by O. K. Wonder. Choice O. I. C. May boars. January and May gilts bred or open. Priced for quick sale.
ANDREW KOSAR, DELPHOS, KANSAS.

BOARS! BOARS! BOARS!
A great line of spring O.I.C. boars, large and growthy and priced at rock bottom prices to move them quickly. Booking orders on fall boars and gilts for December delivery.
JOHN H. NEEF, BOONVILLE, MISSOURI

ABERDEEN-ANGUS.

Angus Bulls and Heifers
SUTTON FARM
Have 30 splendid heifers and 30 extra good bulls priced to sell. Write us today.
SUTTON & PORTEOUS, R. 6, Lawrence, Kan.

Angus Cattle
A select lot of ready-for-service bulls for sale, best breeding and right individually.
W. G. Denton, Denton, Kan.

HEREFORDS.

Hereford Males for Sale both polled and horns. Strong in Anxiety and Beau Brummel blood.
J. C. Hopper, Neas City, Kan.

MEADOWVALE STOCK FARM
A few choice young double standard polled Hereford bulls for sale from polled sire and dam.
W. W. CHARLES & SON, R. 3, Larned, Kansas,

Clover Herd HEREFORDS
Headed by Garfield 4th, by Columbus 53rd. Choice cows from Funkhouser, Sunny Slope, Newman and other noted herds.
FOR SALE—Bulls from 6 to 12 months old, at \$75 to \$100 delivered and Curly Tom, a splendid 2-year-old bull, by Mapleton 4th 348489. Also 15 extra good 3-year-old cows, by Garfield 4th, bred to Curly Tom.
F. S. JACKSON, Topeka, Kans.

SHORTHORNS.

Shorthorn Cattle
Pure Scotch and Scotch-topped cattle. The milking strain. No nurse cows needed on Oxford farm. Baron Cumberland at head of herd. Six young bulls, six heifers and twelve cows for sale. Correspondence and inspection solicited.
DR. W. C. HARKEY, LENEXA, KAN.

Pearl Herd of Shorthorns
Choice young bulls—last spring calves—either Scotch or Scotch-Topped breeding. Well grown and in good growing condition. Can ship via C. R. I. & P., A. T. & S. F., U. P., and Mo. Pac. Address
C. W. TAYLOR
ABILENE : : KANSAS

first Tuesday and Wednesday in March, coming this year on the third and fourth. The second sale, which will be held on March 31 and April 1, is made up with consignments from several of the best herds in this part of the country. Under Mr. Thornton's management and from a desire on the part of the contributors to present only high class cattle the annual March sales have come to be recognized as one of the very best places to select high class breeding stock. A feature of the first sale will be the selling of Mr. Thornton's great bull, Caesar and a number of bulls by him. In breeding individual merit and his ability as a sire, Caesar ranks with the very best bulls of the breed and buyers attending this sale will have an opportunity to get the best from this good herd. If you are not already on Mr. Thornton's catalog mailing list write him today. When making inquiry we should appreciate your mentioning this paper. Address him at 3625 Charlotte street, Kansas City, Mo.

Percheron Dispersion Sale.

Snyder & Stalons of Oskaloosa, Kan., in order to dissolve partnership, will hold a dispersion sale of their herd of Percheron horses at Oskaloosa on Thursday, January 29. The offering consists of seven young stallions, 13 mares and fillies and six mares safe in foal. Over half the offering are grandsons and granddaughters of Imp. Casino. Eleven head are by Casneur 33898, one of Casino's best sons and two of the best mares are safe to him. Casneur has been at the head of the Snyder & Stalons stud for the past eight years and the demand for his colts has been so great that he has been sold at a long price to stand in that community. Messrs. Snyder & Stalons have been breeding Percheron horses for the past 10 years and in the selection of their breeding stock, both from outside sources and the mares retained in the stud, they have been especially careful to avoid the defects most common to draft horses and they point with pride to this offering as being free from bad eyes or beefy hocks. The offering is made up of horses that have bone, substance, conformation, quality and usefulness and are sound and in good condition. Most of them are blacks and combine beauty and utility. Four of the good mares will be safe in foal to a prize winning stallion of extra quality and the young fillies offer selections that are hard to beat. The class of stock found only in dispersion sales will be offered the public and it is one of the big opportunities of the year to select reliable mares and stallions. Mr. Snyder is president of the Jefferson county bank and will gladly furnish any information regarding this sale. Write for the catalog today, per advertisement in this issue, and kindly mention this paper.

S. E. Kansas and S. Missouri

BY ED. R. DORSEY.

Two Baker Poland Sales.

Since the dates for these hog sales are near it should be remembered that W. A. Baker & Sons, of Butler, Mo., and W. Z. Baker, of Rich Hill, Mo., were among the leaders of the big type Poland China winners of 1913. The Rich Hill sale is the 19th of February and the Butler sale is the 20th. These sales are 12 miles apart and both sales to be held in town. Get catalogs of both sales.

Big Boned Missouri Jacks.

We recently visited the large stable of jacks and jennets owned by R. M. Johnson of Bolivar, Mo., who has been dealing in this kind of stock for more than 40 years and has shipped jacks to nearly every state in the Union. In the past few years he has shipped three carloads to California, also a number to Old Mexico. Mr. Johnson is perhaps 60 years old and was raised in less than two miles of his present home. His jacks are of the unsurpassed substantial sort with constitution unimpaired. He has on hand 20 jacks and 10 jennets for sale and will soon have a few more to supply the demand. Write him and mention this paper.

A Good Duroc Offering.

Richard Rothgeb, Pleasant Green, Mo., will hold his annual Duroc-Jersey brood sow sale March 12. The herd is headed by the following boars: Fountain Valley Pride by King, by Topsy Wonder, out of Miss Janet by Model Chief; Beauty's Perfection, by Beauty's Model Top, first and junior sweepstakes under 12 months at the Missouri State Fair and American Royal. The next two seasons at the same shows he won first in class, champion and grand champion. Bolivar Chief, by Missouri Chief, by Drexel Pride, a State Fair and Royal winner and the sire of more state fair winners than any other Duroc hog in Missouri. The sires or grand sires of the offering are Joe Cannon, New Lebanon Corker, Fountain Valley Pride, Otterville Boy, Nelsonia, Gen. Cruger and other noted prize winners. Mr. Rothgeb has had a few local sales and is now advertising his stock at large, as he has been careful in breeding. This will be one of the good sales of the season.

Get Jacks in This Sale.

The Bates County Jack Sale Company under the management of Col. C. E. Robbins and Charlie Argenbright will hold a sale in the Argenbright sale pavilion in Butler, Mo., March 4. The entries for this nomination of jacks and jennets for this sale will be open until February 5. This company bought \$51,000 circulation of the Capper Publishing Company which includes the Missouri Ruralist, Oklahoma Farmer, Farmers Mail and Breeze, Nebraska Farm Journal and Missouri Valley Farmer, besides two other papers, giving this sale a publicity of nearly 1 million circulation. They pay all expenses of the sale and charge so much for the entry fee. The business will be conducted in a business-like manner. This combination jack sale gives the owner of one, two or three jacks an opportunity to sell and get as much money for his jack as in any other sale, because that one jack will be advertised nearly 2 million times before the sale is over. If interested write either of these men for application blank and terms.

His Very Best Offering.

Roy Johnston of South Mound, Kan., will hold his annual brood sow sale on the 20th of this month. He has held as many high class Poland China sales in the past eight years as any man living and he always keeps the very best going. This time his sows are bred to an entirely new set

SHORTHORNS.

Cedar Lawn SHORTHORNS

A fine lot of Scotch and Scotch Topped bulls ranging in ages from 8 to 15 months. Priced low considering quality and breeding. Also my two-year-old, Big Orange, herd boar at a bargain.
S. B. AMCOATS, Clay Center, Kan.

SHEEP.

Oxford Rams both imported and home-bred. Ewes safe in lamb to \$300 imported ram. Can make you low prices on rams.
WM. EMPLE, Amsterdam, New York.

GUERNSEY CATTLE.

FOR SALE One Guernsey bull coming yearling. One bull calf, 8 weeks old. One young milk cow. Write for description.
DR. E. G. L. HARBOUR, Baldwin, Kans.

OVERLAND GUERNSEY FARM



PEGGY OF OVERLAND (Trade Mark)

THE FINEST HERD OF IMPORTED GUERNSEYS IN THE COUNTRY

Imp. Moss Raider, a strongly bred May Rose bull and Imp. May Royal, a fine bred Golden Secret, Chief stock bulls. Cows and heifers of best imported strains. All cows tested for advanced registry. In order better to introduce the Guernseys in the West, we will make attractive prices on young bulls and cows and heifers, bred and open. Special inducements to new breeders in herd foundation material. If you wish to improve the quality and production of your milk, cream and butter, use a Guernsey sire. Unsurpassed in constitutional vigor, adaptability, and richness of product. Correspondence invited—your personal inspection preferred. Call on or address
Overland Guernsey Farm, Overland Park, Kans.
C. F. Holmes, Owner. W. C. England, Mgr.
Eight miles S. W. of Kansas City on Strang Line. Station on Farm

A LARGE HERD OF

Fancy Grade Holstein Cows

2 to 6 years old, all tested and guaranteed sound, good udders and good teats.



If it costs \$50 per year to keep an average cow, she must produce at least 200 lbs. of butterfat to pay her board. If a cow produces 400 lbs. B. F. and her feed bill is \$65 she therefore makes a profit. Why not start now and build up a herd of high producing cows that will make a profit? The average cow milked in Kansas produces something like 170 lbs. B. F. per year, milks in the neighborhood of seven months per year and is a star boarder the balance of the year. Stop this waste, get good high grade Holsteins bred to milk 10 1/2 to 11 months per year and produce 400 pounds or 500 pounds butter fat. The Holstein is the cow for Kansas conditions; hardy nature, large capacity for rough feed, kind and gentle. When dry takes on weight easily. They are large, often weighing 1,700 pounds. There is no better market for the Kansas crops than the dairy route. In no other way can the present high priced feed be turned into as much profit as by the Holstein cow. A good feeder and a conscientious milker.
Write or call
W. G. MERRITT & SON, GREAT BEND, KAN.

Dispersion Hereford Sale
Council Grove, Kan., Sat., Jan. 24

Our ranch is Sold and Before Giving Possession we must dispose of our livestock and equipment. This means that the well bred, profitable cows reserved for our breeding herd and all the young stock must be sold. **20 Bulls—60 Cows and Heifers, 40 of the latter with calves at foot and re-bred, together with 20 head each of yearling bulls and heifers make up One of the Best Sale Lists of Recent Years.** Such cattle as are offered only in Dispersion Sales. Breeding of the select sort, from such sires as Lincoln 2d (by Cherry Boy), Lincoln 7th, Monnington (by Imp. Majestic) Dandy Andrew, Beau Brummel, Beau Mystic 11th, and others of equal note. Simpson, an outstanding sire that has given us part of our show stock during the past three years, will be sold. 50 Poland China swine of the popular medium large type **AT FARM, MONDAY, JAN. 26.** Also 25 Horses, 35 Cows, Feed, Implements, and other equipment. We invite you to attend either or both sales. Catalogues of the Hereford Sale ready. Write for one.
JONES BROTHERS
COL. FRED REPERT, Auctioneer
COUNCIL GROVE, KANSAS

MOUSEL BROS. HEREFORDS

At Auction
Cambridge, Neb., Jan. 28
70 Head—40 Bulls, 30 Females

A carefully selected lot, "Hand Picked," including some of the classiest herd bull prospects ever produced on our farm. Show Bulls, Herd Bulls, Farm and Range Bulls of superb quality. All our International winners, some of the best show cattle ever offered at public auction. We are also selling a large number of bred heifers, and cows with calves at foot and bred to noted bulls. Just the place to get foundation stock that is "up to date" and of the most popular breeding. Get a Catalogue at once and for full information address

MOUSEL BROS., Cambridge, Neb.
John W. Johnson, Fieldman.



RED POLLED CATTLE.

FOSTER'S RED POLLED CATTLE Write for prices on breeding cattle. **C. E. FOSTER, R. E. 4, Eldorado, Kansas.**

Red Polled Cattle Young bulls ready to ship. Cows and heifers for sale. Best of breeding. Write, or better come and see. **CHAS. MORRISON & SON, Phillipsburg, Kas.**

RED POLLED CATTLE

Choice Young Bulls. Several good enough to head good herds—heavy boned, broad headed, breezy kind. Show prospects. Also a few cows and heifers. Visitors welcome. Call or write. **L. W. POULTON, Medora, Reno Co., Kan.**



DAIRY CATTLE.

HOLSTEINS Large type State inspected and tuberculin tested. Fine registered bulls, cows and heifers, also 100 grade cows and heifers. **M. P. Knudsen, Concordia, Kan.**

We Will Have a Car Load of High Class, Heavy Springing **Grade Holstein Cows For Sale** at Manhattan Kan. during the week of the Farmers Short Course, at the Kansas State Agricultural College. **Arnold & Brady Manhattan, Kans.**

A FEW GUERNSEY COWS fresh next month, including Lady True Gold and heifer calf—4 gallons, test 5.4%, also a few Holsteins, including the beautiful 15 months old bull Bertis Trogan at \$110. **Jack Hammel, 215 Adams St., Topeka, Kan.**

Young Jersey Bulls for Sale By sons of champion Flying Fox and Financial Countess Lad; also by a grand son of Gamboge's Knight. All out of high testing cows. **W. N. BANKS, Independence, Kansas.**

HOLSTEINS—CHOICE BULL CALVES **H. B. COWLES, TOPEKA, KANSAS.**

LINSCOTT JERSEYS Only Register of Merit held in Kansas. Choice heifers and cows at \$100.00 and up. Bulls \$50.00 to \$150.00. Breeding and individual quality the very best obtainable. **R. J. LINSCOTT, Holton, Kansas**

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. Absolute satisfaction guaranteed. State your wants fully in first letter—I can fill them. **BEN SCHNEIDER, NORTONVILLE, KAS.**

Bonnie Brae Holsteins For sale, about 80 head of high grade young cows, 2-year-olds and bred yearlings. These cattle are strictly first class, with many heavy springers. Also young bulls both registered and high bred. Come and see them. **IRA ROMIG, Sta. B. Topeka, Kan.**

SOMMER--BLATS GUERNSEYS!

Prince Fern of Old Orchard 22181, by the champion, Prince Rosendale Jr. (9214), out of the champion, Agness Fern, chief stock bull. Females in Advanced Registry. Foundation from best New York, Wisconsin and Iowa herds. For sale: Bonnaville 16542, a tried sire, by Imp. Heben Masher, also young stock in both bulls and heifers. Improve the quality and production of your milk by using a Guernsey sire. Call or write me your wants. **ERNEST KENYON, Nortonville, Kansas.**

HOLSTEIN Cattle

During the next 60 days I will sell: **125 High-grade, well-marked Holstein heifers, age one year to 1 1/2, just being bred to a high class registered bull.**
350 High-grade, well-marked Holstein heifers, ranging from 2 to 3 years old, all bred to extra good registered bulls, to freshen from Aug. 1 to Dec. 1, 1913.
100 Matured cows, springing bag ready to freshen. Most of them in calf from registered bull.
40 Select, well-marked registered bulls, extra nice individuals, ages from 6 months up.
A few good registered cows in calf by an A. R. O. bull. Write me for particulars. **JAMES DORSEY, Dept. M. B. Gibberts, Kane Co., Illinois**

PUREBRED HORSES.

Excelsior Shetland Pony Farm Registered and High Grade Ponies for Sale **W. H. Fulcomer, Belleville, Kan.**



Imported Stallions

Percheron and Belgian, also Percheron and Belgian mares, and a few registered jacks. These horses were prize winners at Topeka, Hutchinson, and American Royal, including grand champion and reserve champion at each show, winning 28 first and champion ribbons, three Gold Medals, and two silver medals. These prize winners and others for sale and can be seen at my farm 7 miles N. W. of Alma. Reference any bank in Alma or Wamego. Choice White Holland turkeys, toms or hens. **LEW JONES, R. R. No. 1, ALMA, KANSAS.**



of boars. O. K. Lad 59098 and Knox All Hadley. It is said O. K. Lad is the best son of Pawnee Lad and many class him equally as good a breeder. He is out of Big Marie, by Big Prospect, so he has lost nothing on the maternal side. He now has the best chance of his life as it is a sure thing he never was in a better herd than right now. Knox All Hadley is by Big Hadley and out of Tecumseh Gold Dust, by Johnson's Chief. This hog's tabulated pedigree reminds an old exhibitor and breeder of the best line of old, reliable prize winners. In fact this breeding represents more real winners than nearly any pedigree one could find. It traces to the 1,000 pound breeding back before Poland Chinas were deprived of their size by speculators. These boars will be mated with daughters of Blain's Wonder, Big Hadley, Orphan Chief, Grand Look, Expansion, A Wonder, Big Orange, etc. Get the catalog and attend the sale or send buying orders to Ed R. Dorsey.

Publisher's News Notes

Selecting Seed.

Too much importance cannot be attached to the selection of seed. We counsel the greatest care to insure a good crop. Go over your catalogs carefully now and when possible obtain the most northern grown seed, rather than use the more common and inferior sorts. We are in receipt of the beautifully illustrated seed catalog of L. L. May & Co., "St. Paul, Minn." The display of alfalfa, "Pride of Minnesota" seed corn and "Scottish Chief" oats, northern-grown vegetable seed and nursery stock, all new sorts, and other northern grown seeds, is very fine. They will send their catalog free, to any address, for the asking.

Horsemanship Taught by Mail.

When Prof. Jesse Beery, known throughout the nation as king of horsemen, began teaching horse training and colt breaking by mail, a great many persons shook their heads and said, "It can't be done." But all his life Prof. Beery had been doing, in the arena, before vast audiences, things that had never been done before. The most vicious, man-killing stallion had no terrors for him. So, despite prophecies of failure, he started the Beery School of Horsemanship and began teaching people by correspondence to do the very things which he did while giving horsemanship exhibitions in all parts of the United States. Today, his school is one of the great institutions of Ohio, and his students are numbered by the tens of thousands. Best of all, his graduates are meeting with remarkable success by applying Prof. Beery's humane methods of horse training and colt-breaking. He has received hundreds of letters from his students telling of the money they are making as horse trainers and in buying cast-off kickers and balkers cheap, training them and re-selling at top prices. Prof. Beery offers to send his introductory course in horsemanship free to owners of horses. This is an opportunity of which our readers should take advantage before it is withdrawn. Prof. Beery's address is Dept. 39, Pleasant Hill, Ohio.

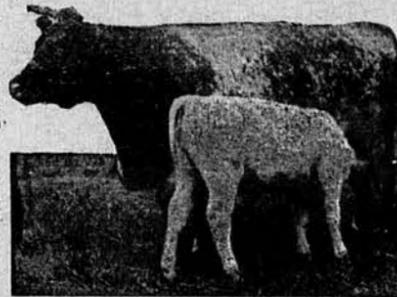
When Kreisler Tried to Sell His "Strad."

Fritz Kreisler, probably the greatest living violinist, on his way to London where he had a recital engagement, found himself in Antwerp with a couple of hours to spare. It was a rainy afternoon and the great violinist, bundled up in a raincoat and soft hat, wandered through the streets somewhat bedraggled in appearance, with his favorite violin cuddled up in the hollow of his arm. In the window of a curio shop he saw a violin which interested him, and stepped into the store and made some inquiries concerning it. A moment's examination satisfied him there was nothing noteworthy about the instrument. "I see you have a violin yourself," said the shop-keeper by way of making conversation. Mr. Kreisler, welcoming anything to relieve him of the ennui of waiting for the boat said: "Yes—I have a pretty good fiddle here—would you like to see it?" and opening the case showed the shop-keeper his famous Stradivarius, without comment of any kind. The man looked at it with evident admiration and threw a somewhat astonished glance at his unknown customer. Kreisler, scenting a joke, said: "Would you like to buy it?" "Oh, no," said the man, "I haven't the money to buy such a violin." "Make an offer for it," urged Kreisler. "Impossible," the man replied, "I couldn't possibly buy such a violin and I couldn't even make you an offer for it—but by the way, I have in my home a very good Klutz which I should be glad to sell you at seven hundred marks." The shop-keeper assured him that the violin was in excellent condition and that his errand boy could get it in ten minutes. Mr. Kreisler agreed to wait. The boy was promptly dispatched and after a short interval returned, not with the violin but with a policeman. "Arrest that man," shouted the shop-keeper, pointing to his unknown customer, "he has Fritz Kreisler's violin!" Mr. Kreisler, somewhat startled but appreciating the humor of the situation replied, "Well—but you see I am Kreisler!" "Oh, no, you're not," said the shop-keeper, whereupon the policeman took a hand, saying the charge was serious and asking if the shop-keeper was positive of his statement—at the same time moving to within easy grapping distance of the virtuoso. "I am absolutely certain," was the reply, "that this is Kreisler's violin. This man brought it here and tried to get me to buy it. Let him deny it if he can. He did his best to dispose of that violin. Now he says that he is Kreisler—trying to sell his own famous Stradivarius for anything he can get. Arrest him, I say, or I'll hold you responsible." The situation was becoming serious. Mr. Kreisler, realizing that his time was short, offered to play for them and so prove his identity. His offer was rejected. Then he asked that they accompany him to the boat where his personal baggage would establish his identity. This too was refused, but finally an idea occurred to the shop-keeper, and addressing Mr. Kreisler, he said: "There is just one way in which you can prove to me that you are Kreisler. I have in my home a Victor talking machine and a record of 'Caprice Viennois' (Kreisler's own composition). If you hear that record just once and then play it for me correctly note by note, I will accept that as proof." In spite of the protestations, Mr. Kreisler was marched through the streets of Antwerp with the shop-keeper on one side and

Lookabaugh's Shorthorns SOLD ON TIME AT PRIVATE SALE

Six or nine months time if desired. What we want is your trial order. Young heifers and bulls at \$75, \$100 and up. Two heifers and a bull, not related, \$200 for the three—Others higher.

High class Herd Bulls, close to imported Scotch Dams, and sired by such sires as Lavender Lord by Avondale. Nicely bred young heifers from milking strains. Rugged young bulls, the Farmer and Stockman's kind; cows with calf at foot and rebred.



A great variety of prize-winning blood. If you want breeding stock do not miss this opportunity. As many good Shorthorns cannot be seen on any other farm in the whole Southwest nor so many wonderful producing cows of such excellent breeding.

Over 200 Head From Which to Select.

DO THESE BLOOD LINES SUIT YOU?

We have young bulls and heifers for sale, by Lavender Lord, by Avondale and Violet Search by Searchlight, out of the following cows: Lavender Bloom 2nd, by Scotch Mist and out of Imp. Lavender Bloom, by Silver Plate; Lavender Bloom 2nd is the mother of the noted Lockendale. Maxwalton Jealousy, by Avondale and out of Sultan's Jealousy, by White Hall Sultan; second dam Imp. Jeanie, by Count Arthur, also her full sister Maxwalton 2nd. Maxwalton Avenir, by Poquan Monarch and out of Anna Gathle, by White Hall Count, next dam Imp. Avalanche 2nd (the mother of Avondale), by Mescombe. Also Maxwalton Avenir 2nd, a full sister. Lomond Bud, by Ben Lomond and out of Lancaster Bud (the Grand Champion cow of both England and America), by Old Lancaster.

(To be continued.) CALL ON OR WRITE

H. C. Lookabaugh, Watonga, Okla.

Hampshire Sheep

12 ram lambs, \$12 each, 20 ewe lambs, \$10 each, 24 year-old ewes, \$10 each, 13 three-year-old ewes, \$10 each.



Hampshire Hogs, Three weaning boys, choice betting and type. **E. S. Tallafarro, Russell, Kas.**

One Hundred Head of JACKS AND JENNETS

Home of the giants; the big, thick, big boned and big footed kind. We breed and raise most of our jacks. We handle the largest jacks and jennets on earth. **BRADLEY BROTHERS, WARRENSBURG, MISSOURI.**

AMERICA'S FAMED HORSE DISTRICTS

This particular district famed for Percherons. The Chandler herd is known for draftness, substance and bone. Big bunch registered studs for sale, yearlings to four, with weight and finish equal to the French. From imported ancestry on both sides and well grown. Grown here simply means surest foal-getters and farmer's prices. Trains direct from Kansas City and St. Joe. **FRED CHANDLER, ROUTE 7, CHARITON, IOWA.**



Bergner & Sons' German Coach Horses

German Coach Stallions at prices you will be able to pay for at one season's stand. Also mares and fillies; all good bone with plenty size, style and action and the best general purpose horse that has ever been imported. The St. Louis Fair Champion Milon 3159 and the Kansas State Fair prize winner Mephistoles 4221 at head of herd. We are pricing these horses to sell and guarantee satisfaction. Write today or call soon. **J. C. BERGNER & SONS, Waldoek Ranch, PRATT, KANSAS.**



Johnson's Shetland Pony Farm

Write me regarding Shetland Ponies. I have for sale 40 to 50 head of fine ones, spring colts, yearlings, coming two and matured stock. Registered mares or stallions. My herd runs strong to spotted, black and white, and I have Nebraska State Fair winners. Let the children have a pony. My prices are reasonable and every pony is guaranteed as represented. Write me now while I have a fine offering of spring colts on hand. **H. H. JOHNSON, CLAY CENTER, NEBRASKA.**



54-Percheron Stallions-54

We have fifty-four as good Stallions as can be found in any herd from coming two year to five-year-olds. We can sell a better and bigger stallion for the money than any firm in the business. We fully guarantee every stallion. Write us what you want. **BISHOP BROS., Towanda, Kansas** Towanda is 22 miles east of Wichita on Mo. P. Ry.



Imported Percheron Stallions

Each year I select 35 or 40 horses in France, so good and so correct in type, that any one of them will prove a great benefit to the man who buys him. I have a new lot now. At the Shows of the Southwest Circuit, our horses won every Championship and every Group of Five in 1913, as they have done most of the past five years. Our horses are handsome—our contract just and right—our insurance the very best. Come or write. **PERCHERON IMPORTING COMPANY** Charles R. Kirk, St. Joseph and South St. Joseph, Mo.

Blue Valley Stock Farm

Largest importers of high class Belgian Draft Horses in the West. Prize-winners in Europe and America. Sound acclimated and ready for service. Our American bred stock goes back to the blood of BRIN D'OR or his descendants. Lowest prices and safest guarantee of any firm in the business. Also a few extra good Percheron stallions. Come and see us or write. **W. H. Bayless & Company, Blue Mound, Linn County, Kan.**



PUREBRED HORSES.

A. M. DULL & SON'S PERCHERONS

Two two-year-old black stallions for sale, sired by Black Diamond, of Brilliant breeding. Extra size, bone and quality, with style. For information, prices, etc., address, A. M. Dull & Son, Washington, Kan.

Home-Bred Stallions \$250 to \$650. Stallions cheaper than any firm in Creston. **A. Latimer Wilson, Creston, Iowa** Imported Percheron Home-bred Stallions, \$275 to \$600. **Frank L. Stream, Creston, Iowa**

Dispersion Sale

Percherons, Jacks and Holstein Cows
One black Percheron stallion 8 yrs. old, wt. 1900 lbs.; one dark bay colt 3 yrs. old, wt. 1900 lbs.; one dark bay imported German coach stallion 8 yrs. old, wt. 1600 lbs.; one Standard bred stallion, Factotum Ellwood No. 50245, wt. 1330 lbs.; one black mammoth bred Jack 15.2, (4 yrs. old) wt. 1100 lbs.; one black Jack 5 yrs. old, wt. 1000 lbs.; Four young Holstein cows, all giving a big flow of milk and all gentle. My reason for selling these cows is that I am going to build up a pure Guernsey herd.
O. L. THISLER & SONS, CHAPMAN, KANS.

Wolf Brothers Imported Percherons and Royal Belgians

Imported and homebred stallions and mares of extra quality. Special low prices will be quoted for the next 30 days in order to make room for another importation. If interested, write for photos.

Albion, Nebraska

Stallions

- 2 BLACK PERCHERONS.
- 1 BLACK PERCHERON, 2-year-old.
- 2 STANDARD BRED TROTTERS.
- 1 NON-STANDARD TROTTER.
- 1 JACK.

High class individuals, no better sires in Kansas. Their colts tell the story. We are closing out our stallions and are pricing them cheap.
Sutton Farm, Lawrence, Kan.

JACKS AND JENNETS.

REGISTERED, BIG BONED, black Jacks and Jennets. Fine individuals best breeding. PRICE AND TERMS RIGHT.
J. H. Smith, R. R. 3, Kingfisher, Okla.



Kentucky Jack and Percheron Farms
200 head of big bone, Kentucky Mammoth Jacks, Percherons and saddle horses. Special prices in half car and car load lots. Write your wants or visit our farms. 2000 bushels of bluegrass seed. **Cook & Brown, Props., Lexington, Ky.**

Forty Years a Breeder of High-Class Jacks

We have for sale twenty jacks of the big blocky type, also ten very large, well bred jennets. **R. M. JOHNSON, BOLIVAR, MO.**

One Belgian Stallion One Jack, 3 years old

3 yearling jacks, and 8 jennets, 2 to 8 years old, all bred and good ones. Write me for prices.

C. T. BERRY, Parsons, Kansas



JACKS and JENNETS

50 large boned, black Mammoth jacks, 15 to 16 hands, standard. Guaranteed and priced to sell. The kind all are looking for; also good young Percheron stallion. References: 5 banks of Lawrence, 40 miles west of Kansas City, on Santa Fe and Union Pacific.
AL. E. SMITH, Lawrence, Kan.

Jacks and Jennets

25 head of Black Jacks from 14 1/2 to 16 hands coming 3 to 6 years old; all stock guaranteed, as represented when sold. Also some good Jennets.

PHIL WALKER
Moline, Elk County, Kansas.



Big Black Missouri Jacks

Ten head of large, well bred, registered jacks and ten jennets. All of my own breeding. A genuine guarantee goes with each and every sale. Can I furnish more if necessary.
HENRY OBERMANN, Freistatt, Mo.
8 Miles N. of Monett.

FOR SALE

2 big jacks, 4 and 6 years old; weight 1050 and 1150. Black with white points, good bone. 1 imported Percheron stallion, 8 year old, weight 1950 pounds, extra good one. 1 brown road horse, weight 1250 lbs. An extra well broke and stylish fellow; has won in several show rings. Also 9 good black jennets well bred and plenty of bone. 2 Jack colts. This stuff is all good and must be sold as I am leaving country. A bargain for someone. If interested come and look them over. Will sell one or all. No trade. **FOY E. LYND, White Cloud, Kans.**

the policeman on the other, to the former's house where the proposed test was made. Mr. Kreisler missed his boat but among his souvenirs he now has an antique cameo ring which was given him by a sadly humbled old man who keeps a curio shop in Antwerp.

Livestock Maintains the Yields

Why is it that cattle men usually are the most prosperous farmers? W. A. Cochel, chief animal husbandman at the Kansas Agricultural college, in addressing the state farmers' institute at Manhattan recently, said that it is because they are growing more corn, more oats, and more hay to the acre than the men who grow grain only. It is not necessarily because they are making a big profit on their beef.

Why is it that they are getting better yields of corn and oats than the men who are putting in all of their time on grain crops? It is because they are building up the fertility of their farms. Professor Cochel told the farmers. Cattle form a market for waste products of grain farming. The wheat farmer often burns straw. The beef farmer feeds it, and thus puts his straw on the market and also increases the fertility of his land. Professor Cochel urged the growing of more livestock.

"There has been a consistent, steady advance in the price of beef for the last 40 years," Professor Cochel said. "There is nothing we can foresee which indicates that beef will be any cheaper in the future than it is at present."

For Treating Hog Cholera

Mr. Editor—Some four or five years ago, I wrote for the Mail and Breeze a description of hog cholera stating among other things, that I believed the disease among hogs to be the same as the fevers are with the human and that it should be treated with the same remedies that we use to break fevers, using quinine and acids mixed in their drinking water. When my article appeared in your paper I was deluged with circulars setting forth all sorts of hog cholera remedies, every one of them as I believed compounded from vicious drugs that should not be used in the treatment of diseases in any life.

So far as I know, I believe that I am the originator of the common sense quinine remedy—if it be a remedy—for hog cholera.
A. L. Brace,
Kissee Mills, Mo.

Damages for Infecting a Herd

Because John Hauser of Petersburg, Ind., sold Guy Sanders of the same place, some hogs in the incubative stage of cholera, a jury has just awarded \$800 damages to Sanders. As a result of the infection introduced into his herd Sanders lost 100 head of hogs.

Protect the Cows Well.

As cold weather approaches, it is advisable to prepare a plan by which warm water can be furnished to milk cows on cold days. "It is to the advantage of every farm dairyman to give the cows warm water, as the cold water chills their digestive organs and checks the flow of milk," said G. E. Thomas of Saline county, Kansas. "I provide a warm barn for my cows to be housed in, and also give them lukewarm water. It pays."

Farmers Mail and Breeze Pays Advertisers.

Farmers Mail and Breeze, Topeka, Kan. Gentlemen—I have more inquiries for jacks than I ever had before.
J. H. SMITH,
Breeder of Jacks.
Kingfisher, Okla., Dec. 24, 1913.

Capper Publications, Topeka, Kan. Gentlemen—We have received so many inquiries from our ad which has been running in your eight paper combination that it has been only with great effort that we have been able to answer all correspondence promptly. We have been in the business here since 1906 and have advertised in all parts of the northern and central states during that time, and we have received more answers to our ad in your papers than we have from all other papers combined since we commenced business. Yours very truly,
THE WEBER AGENCY,
Real Estate Dealers.
Lethbridge, Alta., Canada, Dec. 20, 1913.

Every week for years Farmers Mail and Breeze has printed voluntary letters from its advertisers and different letters are printed every week.



Percherons and Belgians

The best lot of imported two and three-year-olds in the West. Am going to sell them down very reasonably and give an absolute gilt-edged guarantee good two years. Come and see them.

Dr. W. H. Richards, Emporia, Kansas
Barn, 4 blocks from A. T. & S. F. Depot.

Robison's Percherons

175 Head on the Farm. Stallions and Mares all ages for sale. Herd headed by the Champion Casino 27830 (45462). Send for farm catalog.

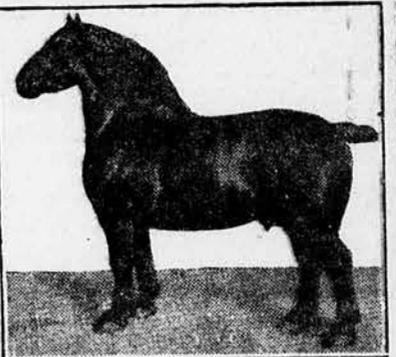
J. C. ROBISON, Towanda, Ks.



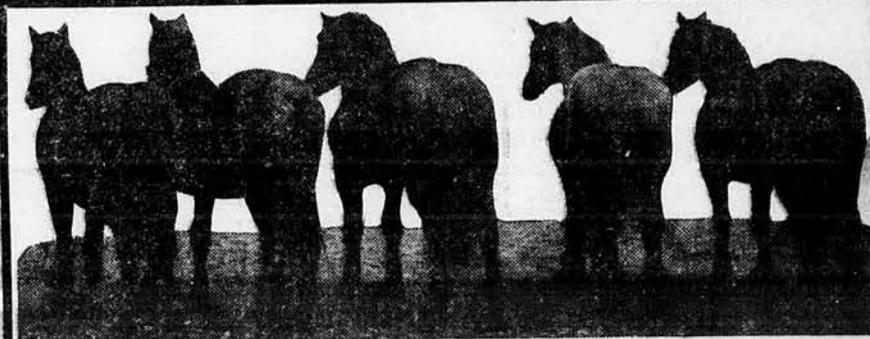
125 Stallions and Mares Percherons, Belgians and Shires

The West's Largest Importing and Breeding Establishment

More actual ton stallions to be seen at Wiley's barns at Emporia than any other place in the West. If you need a stallion come and see for yourself. I am going to make special prices for the month of January in order to make room for new consignment to arrive February 7th. These stallions and mares are selected with an eye single to the wants of the most critical American buyer. I will save you from \$100 to \$200 on your horse. Write for price and description or come and see me. Will meet all trains. Telephone No. 837. Barns close to A. T. & Santa Fe depot.



L. R. WILEY, Route No. 9, Emporia, Kansas.



MARIA AND FIVE OF HER COLTS—ALL GO IN THIS SALE

Percheron Dispersion

Seven Young Stallions, Thirteen Mares and Fillies, Six Mares Safe in Foal, Mostly Blacks in Good Condition

Oskaloosa, Kan., Thursday, Jan. 29

Over half of the offering are grandsons and granddaughters of Imp. CASINO. Six mares are safe in foal. Eleven head by CASINEUR 33898, one of Casino's best sons. Casineur has been on our farm for the past eight years and the demand for him is so great that he has been sold at a long price to stand in this community.

In presenting this herd of Percherons at auction we have no excuses or apology to offer, as we feel confident that no better or more carefully selected herd has been offered in Kansas in recent years. We have been breeding Percherons for the past ten years, and in selecting our breeding stock we have been especially careful to avoid the defects most common to draft horses. Neither a bad eye nor a beefy hock is to be found on any of our horses. We have made a special effort to breed the useful kind, and the work on our farm has been done entirely by these horses. Our reason for having this sale is a dissolution of partnership.

We want to send you our catalog. Write for it today and kindly mention this paper to

Snyder & Stalons, Oskaloosa, Kan.

Col. Jas. W. Sparks, Auctioneer.

BUSTED PRICES!

Our Great 1914 Offer!!

BARGAIN!

No Money Down

WIRE & FENCING PRICES
ROOFING PRICES
LUMBER BUILDING MATERIAL PRICES

Here is the Greatest Sale ever advertised—the opportunity you have long sought for—a chance to buy staple lumber and building material—Roofing, Wire, Fencing, Furniture and Household Goods of every kind and description, in fact, Merchandise of every nature, at unheard of low prices.

We are determined that the Spring of 1914, will be the most successful in the history of this Great Company, and the Wise man will take early advantage of the great bargains shown in this advertisement.

You can order a complete carload of building material from us, including everything you need to construct and equip and we will ship it to you, without one cent cash in advance. All we want to know is that the money will be paid us as soon as the material is received, unloaded and checked up.

Lumber Prices S-m-a-s-h-e-d

Yes, we mean smashed. Absolutely busted to pieces. That's our policy. We quote prices on lumber that will positively save you big money. If you will send your lumber bill we will send you a freight paid price that will mean a saving to you of from 30% to 50%. Every stick is absolutely first class, brand new and fully up-to-grade such as you would buy from any reputable house in the United States.

This Door at 98c

Lot CD-39. Four panel painted door, size 2 ft. 6 in. x 6 ft. 6 in. 500 in stock. A high quality door for the price. This is only one of our many special bargains. Our grand Building Material Catalog and Bargain Sheets will show a full line of inside Millwork of all kinds.

Free Building Book

A 200-page Book of Bargains in Millwork, Building material of all kinds, including Paints, Plumbings, Heating, Structural Iron, Metal and Composition Roofing, Hardware, Carpenters' and Blacksmith's Tools, Wire Fencing. No prospective builder should be without it. It is Free.

Shingles At Big Saving

We have a special lot of 1,000,000 5 to 2 10 inch Clear Shingles on which we are making an exceptionally low price of \$2.80. Order by Lot No. MS-40.

ROOFING PRICES SMASHED!

Galvanized Steel Roofing Is Fire, Water and Lightning Proof

We bought 20,000 squares of this Corrugated Iron Roofing, which we offer at this remarkably low price. It is new, perfect, and first-class, but light weight. The sheets are 22 x 24 in. x 1 1/4 in. corrugated. Our price of \$1.25 per sq. ft. in Chicago.

62c Per 108 Square Feet Buys Best Rubber Surfaced "Ajax" Roofing

Here again we show the lowest price ever known for roofing of quality. This smooth surfaced roofing we are offering is our one-ply "Ajax" brand, and the price includes necessary cement and caps to lay it; this price is f. o. b. Chicago; at 85c per square, we pay the freight in full to any point East of Kansas and Nebraska and North of the Ohio River, provided your order is for at least 3 squares. Prices to other points on application.

Roofing is guaranteed to wear as long and give as good service as any Ready Rubber Surfaced Roofing on the market. It is cut up in rolls of 108 square feet and contains 3 to 4 pieces to the roll. We have other grades of Ready Roofing, which we offer at prices as low as 30 per cent below regular quotations. Write today for free samples and Roofing Catalog. Fill in the coupon.

Fill in This Coupon

HARRIS BROTHERS CO., Dept. C. D. 57, Chicago.

Send me free of cost the following catalogs. (Place an X mark in square opposite the catalog you wish)

<input type="checkbox"/> Catalog of 50,000 Bargains	<input type="checkbox"/> Building Material
<input type="checkbox"/> Plan Book of Houses & Barns	<input type="checkbox"/> Roofing, Siding and Ceiling
<input type="checkbox"/> Wire and Fencing	<input type="checkbox"/> Plumbing & Heating
<input type="checkbox"/>	<input type="checkbox"/> Paint

My Name is.....
 My Address is.....
 County..... State.....
 R. F..... P. O.....

CHICAGO HOUSE WRECKING CO.

Now operated under the name of
HARRIS BROTHERS COMPANY

FOR 22 years the CHICAGO HOUSE WRECKING COMPANY has been well and favorably known to the public. During all these years the four Harris Brothers have been the executive officers and owners and for that reason have finally decided to operate under the name of HARRIS BROTHERS COMPANY.

There is no change in our business, except that in the future the four Harris Brothers will advertise and sell their goods, heretofore advertised and sold under the name of the CHICAGO HOUSE WRECKING COMPANY, under the new name of HARRIS BROTHERS COMPANY.

Why We Are Called the Great Price Wreckers

Consider what becomes of the stock of goods, when a manufacturer or big retail merchant goes bankrupt or "busted" as the saying goes. It is estimated that about ten thousand merchants annually meet with business disaster—this is why our company exists. If the stocks are sufficiently large and the goods are new and desirable, they find their natural way to our great forty acre plant for distribution at a small added profit, to our thousands of customers, who in this way get the benefit of wonderful bargains. In many cases our prices do not even represent the original cost of production. We stand foremost in our line. We recognize no competition. That's why we are called "THE GREAT PRICE WRECKERS."

Our Binding Guarantee

We guarantee absolute and complete satisfaction. There is no half way about this guarantee. Every purchase you make from us will be exactly as represented and you will be satisfied in every way, or we will make such just amends as are within our power. We will take back any unsatisfactory article at our freight expense, both ways and refund your purchase price. We refer us to our responsibility to the publisher of this or any other publication or any bank or express company and to the public at large.

We Sell Practically Everything

Our stock includes practically "everything under the sun." It's in truth, from a needle to a locomotive. No matter what your vocation, or what position in life you occupy, or what your business, or how great a merchant you are, you have use for us, and we have the goods that you can buy from us to a decided advantage. The quicker you learn to recognize this fact, the sooner you will be "putting money in your pocket."

Our stock includes Building Material, Lumber, Roofing, Sash, Doors, Millwork, Wire and Fencing, Hardware, Plumbing Material, Heating Apparatus and Supplies, Furniture, Household Goods, Rugs, Stoves and everything needed to furnish or equip your home, your club or hotel. It includes Groceries, Clothing, Dry Goods, Boots and Shoes, Furnishing Goods and every single article to clothe a man, woman or child. It includes Sporting Goods, Fishing Tackle, Hunting Outfits, Tents, Guns, Harness and Vehicles, Jewelry, Sewing Machines, Clocks; also structural iron needed in construction of buildings, bridges, etc. Machinery, gasoline, gas and electric power outfits. In fact you cannot think of a single manufactured article that we cannot supply you at a saving in price. Let us convince you—it means but little effort on your part to prove the truth of all we say. Write us today for our Catalogue and literature. Fill in the coupon shown below.

THE GREAT PRICE WRECKERS

LETTERS FROM CUSTOMERS

\$1,000.00 Saved

Everything arrived in good condition. I saved on the building; also heating plant and bathroom outfit about \$1,000.00 as this kind of lumber would be very dear here.

Signed LEWIS YOUNG, Pennsylvania.

\$700.00 Saved

I am perfectly satisfied. Don't be backward in referring to me, for you have done more than you agreed to. I saved \$700.00 and also got better material and a better house.

(Signed) JOHN J. DUNN, Ohio.

Satisfied With Furnace

The furnace I got from you is perfect in every way. I would not be without it on winter for double its price. If farmers only knew how easy it is to install it, they would not be without it.

(Signed) HENRY D. O'HARTER, Canada.

Used 12 Years and in Good Condition

Some 10 or 12 years ago, I bought quite a bill of Black Corrugated Roofing from you, and only painted it twice since I laid it, and it is in just as good condition today, as the day it was laid. Please send me your catalog, as I expect to put up a barn next Spring and am looking for something for a roof as good as that bought from you last time.

(Signed) W. W. STODDARD Ohio.

Will Order More

Am pleased to say the roofing all here and in splendid shape. Allow me to congratulate you on prompt delivery. You will receive future orders from me.

(Signed) D. DUCELLO.

Recommends Our Paint

I have used your Premier Paint in this salt atmosphere for the past four years and find it better for this climate than any paint I can buy, no matter what the price. (Signed) W. A. WEIDE, Florida.

\$13 BUYS COMPLETE BATHTUB

This is a white enameled, cast iron, one-piece, heavy roll rim bathtub, fitted with the latest style nickel-plated trimmings, including Fuller double bath cocks for hot and cold water, nickel-plated connected waste and overflow and nickel-plated supply pipes. It is 5 ft. long and is good enough to answer the needs of any one. Lot 5CD-101.

Hot Water Heating Plants

We are headquarters for steam, hot water and warm air heating plants. They are suitable either for new or old homes. It is easy to install one of these plants in your old building. For this great Fall Sale of ours we are offering a warm air heating plant large enough for the ordinary 5 room house, with all necessary plans and complete instructions for installing, for \$15.00.

Iron Pipe and Fittings

Good iron pipe in random lengths complete with couplings, suitable for gas, hot water and conveyance of all liquids; size 3-8 to 12 inches; our price on 1-in. per foot 3c; 1 1/4 inch at 4c per foot. Complete stock of valves and fittings. Send us your specifications.

AXMINSTER RUGS at 75c

We bought an enormous stock of high grade, brand new, rugs and floor coverings. This is a sample of our money-saving bargains. Write for complete Free Rug Catalog, showing actual colors.

FURNITURE

We are the World's Bargain Headquarters for the outfitting of your home, club, lodge or hotel, from the very latest to the finest of Household Goods and everything such as will be found in no other institution in the land. Write for free copy of our Furniture and Household Goods Catalog.

A THOUSAND PAGES OF BARGAINS

Write us today for a copy of our Great Big Spring Price Wrecker now off the press. It is the most stupendous Book of Bargains ever produced. It contains a thousand pages of matter true to life and describes the merchandise we are offering for sale so plain and correct that you will experience no trouble in making your selections. It is a wonderful book of Bargains and can be used every day of your Buying Life. You need it whether you are a customer of ours or not.

WRITE US TODAY.

\$759 Buys the Material to Build This House

This is Our House, No. GA

A beautiful up-to-date full 2 story, 7 rooms and bath, home. The biggest bargain in the world. Copied and imitated all over the U. S., but our price and quality cannot be equalled. The price is easily 25 to 50 per cent below local dealer's prices.

Immediate shipment right from our Chicago stock, where you can see it load ed. **NO MONEY DOWN.** \$2.00 buys perfect Blue Print Plans complete specifications and detailed descriptive material list, with a refund of \$1.50 if you do not like them.



Original Methods

We are the originators of a system of selling practically complete Houses direct to the consumer, at a great saving. We eliminate all in-between profits. We sell and ship direct to you from our own stocks. Great care and study has been given all our Plans. Economy is the watchword both in materials and construction.

No Worry No Loss No Waste

Our Binding Guarantee both as to quality and quantity goes with every sale. Write us for letters from people in your vicinity who have bought from us. We have thousands of unsolicited testimonials.

SPECIAL INFORMATION

If you intend building, you will lose money if you don't write us at once. Tell us what you want. We will answer you promptly and give you valuable information regarding building. Send rough pencil sketch showing the kind of house you want. We will make you a freight paid price that will save you big money on material necessary to build same. Every stick first class.

If you intend to make improvements, write us what they are, and we will help you to save money on your purchases.

Our FREE BOOK OF PLANS

Our Book of Plans contains 120 pages of different kinds of buildings. Everything from a 2 room Portable House for \$14.50 to the finest kind of a residence. Houses are completely illustrated showing the floor plans, prices, etc. And it's free.

Wire and Fence Prices Smashed!

Barb Wire Less Than 2c Per Rod

New Galvanized, heavy weight barbwire, put upon reels about 100 lbs. to the reel. Lot 2-CD-26 per 100 lbs. \$1.95. Galvanized barb wire, Light weight, best grade, best made. Put up exactly 80 rods to reel, 2-point bars. Lot 2-CD-25, per reel, \$1.40.

WIRE NAILS, Per Keg, \$1.28

5,000 kegs, put up 100 lbs. to the keg mixed, all kinds together, regular nails, such as made by nail factories. Lot 2-CD-33, price per keg, \$1.28. 1,000 kegs of 10 penny-weight regular new wire nails, 100 lbs. to the keg, while they last, per keg, \$1.85. Write for our Free Wire and Fence Catalogue. Gives valuable information to any land owner. Fill in the coupon below.

Smooth Galvanized Wire Per 100 Lbs. \$1.13

Is suitable for fences, stay wires, grape vines or for any ordinary purpose where wire is used. This galvanized wire is irregular in length—it ranges anywhere from 50 to 250 ft. \$1.13 is our price for No. 14 gauge. Other sizes in proportion.

15c per Rod Buys Heavy Hog Fencing

Here is another one of our remarkable bargains. A good heavy fence, bought from Ohio flooded factory, perfect for all purposes, 26 in. high, square mesh, put up in suitable size rolls. Lot 2-CD-31, price per rod 15c. Other heights in proportion. Staples, 100 lbs., \$1.75.

BEST QUALITY READY MIXED HOUSE PAINT

PREMIER, MICHAELSON

Our paint department is under the personal supervision of Mr. V. Michaelson, for 30 years the foremost paint man in America. His picture has appeared on over \$1,000,000 cans, and his name is known from ocean to ocean. Paint of quality is his specialty. Every gallon has our strongest guarantee. Our Ready Mixed Barn Paint at 50c a gallon will outlast any similar paint produced. If you want quality paint, write us or write to Mr. Michaelson if you prefer. Finest, most valuable paint book ever published sent FREE. Send coupon.

95c Per Gal.

HARRIS BROTHERS CO., 35th and Iron Sts. Chicago