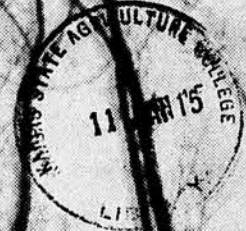


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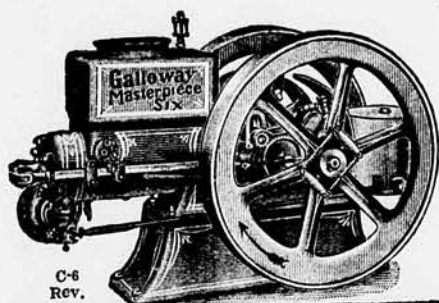
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JUST ABOUT FARMING

THE way a cow-testing association enables its members to cull from their herds the undesirables is shown by the history of the two years the Dickinson county association has been in operation. When the association was first formed there were only eight or ten members, and they agreed to enter about 350 cows. Now there are 30 dairymen who are members of the association, yet the number of cows now being tested does not reach 350. The cows which cost more than they produced, the profitless animals, have been weeded out of the herds.

The association held its annual election recently in Abilene and re-elected the present officers. They are: President, George Lenhart; vice president, J. T. Leshar; secretary-treasurer, A. B. Wilcox. John V. Joy is the tester.

The Abilene dairymen have demonstrated the importance of co-operation in cow testing quite forcefully. The idea has been a big success with them. Other leading dairy communities in Kansas, such as Mulvane and Montgomery county for examples, should follow the lead of the Dickinson county farmers. It will pay well in real cash to do this.

Co-operation Pays

Farmers in the Hutchinson district of the National Farmers' Equity union did 23 million dollars' worth of business for themselves in 1914, as reported by R. Romer, the national director for Kansas. "We have about 150 local exchanges," said Mr. Romer. "These are composed of the farmers who handle their own products through their own elevators, and cut out the middleman's profits. We have elevators along the Rock Island from Hutchinson as far as Tyrone, Okla., and also in Santa Fe territory throughout the wheat belt."

There are about 30 elevators in western Kansas associated with this co-operative movement.

The success of the Equity union merely is another proof that increased profits can be obtained if farmers will get together. Examples such as this are doing much to boost the co-operation movement in Kansas.

Limestone

The Fredonia Portland Cement company of Fredonia, is selling ground limestone for use in soil improvement. It has gone into the business of crushing this material because it has been realized that applications of lime are a vital need in farming the shale and sandstone formed lands of southeastern Kansas. H. J. Bower, who has been the demonstration agent for southeastern Kansas, has done a great deal to boost the use of limestone in that section, for he has shown that applications of this material will pay well. The good profit obtained by O. A. Rhoads of Columbus in growing alfalfa has been due largely to lime.

Applications of ground limestone are needed on thousands of farms in southeastern Kansas. They will pay well if the soil is inclined to be somewhat acid, for they will result in markedly increased yields.

Ice Harvest

An abundant supply of ice will do much to make farm life in Kansas more enjoyable in the summer. Ice is a luxury that may be cheaply obtained on most farms; it is not expensive either to harvest or to store. The cost of harvesting and storing ice is not great when compared with the comfort it brings, and an ample supply of this luxury is of greater importance in the country home than in the city residence.

While city people may purchase perishable supplies as needed, the remoteness of country homes from markets makes it necessary to use more canned, corned or smoked meat products at a season when the table might be supplied with other meats if there was an available supply of ice to keep it.

Not only is ice appreciated because of its use in the preservation of fresh meats, butter, and other table supplies, but production of high grade domestic dairy products is almost impossible without it. Many markets to which milk

is now shipped demand that it be cooled before shipment to a degree not attainable without the use of ice. Modern methods of marketing show that other products besides milk, such as fruit and eggs, if chilled before being taken to market arrive in much better condition. Ice in the country home, therefore is of value for a greater number of purposes than at first might seem.

The stream or pond from which the supply of ice is taken should be fed from a source free from contamination or pollution. If the stream is so sluggish that water weeds thrive in it, all vegetation must be removed to prevent its freezing in the ice. Decaying vegetable matter frozen in ice is very objectionable, because as the ice melts this matter is deposited in the ice box or refrigerator, rendering it unnecessarily filthy and dangerous to health.

Ponds in which green spawn or algae grow profusely can be rid of these pests by the use of copper sulphate. The crystals can be placed in a cloth sack, which is hung to a pole and trailed through the water until the salts are dissolved. One or two treatments of the sulphate during the season at the rate of 1 pound to 100,000 gallons of water will be sufficient to keep down such growth and make the water clear and pure. It is impossible to have pure ice unless the pond or stream is clean, and the water free from contamination.

W. E. Watkins

Allen county is very much on the agricultural map of Kansas these days. The man who put it there is W. E. Watkins, the county agent. In the year and a half that Mr. Watkins has been in the county the alfalfa acreage has been much more than doubled, more than 2,500 acres of sweet clover has been planted, the number of silos has been increased to 160 and the county took first in the county display at the International Soil Products exposition at Wichita, on which it won \$550 cash. This display will be featured in the Kansas section at the world's fair at San Francisco. Allen county is in the lead in solving the farming problems of southeastern Kansas.

Crop Rotations

Perhaps the most important indication that better crop rotation should be used in Kansas is the fact that the average acre yield of corn for the last five years has been but 18.5 bushels. When this fact is considered in connection with the fact that the average yield for a similar period about 35 years ago was 41.5 bushels it becomes alarming. Poverty is waiting for us all at the end of the trail unless this tendency can be stopped. We never can stop it by keeping on with one crop grain farming, that is certain.

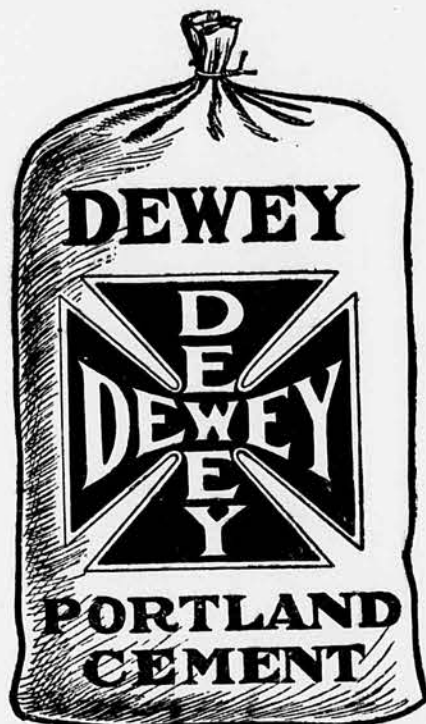
"Pep"

When the boys in the farm courses at the Kansas State Agricultural college at Manhattan wish to pay a man an especially high compliment they say he has "pep" or "punch," or the ability to do things. He has a fine enthusiasm for his work—he studies his problems intelligently. One is impressed in traveling over Kansas that more "pep" is needed on many farms. We all need more of this fine enthusiasm for our work, which will give us a belief in ourselves and in our line. This is necessary before the largest success, financially and otherwise, can be obtained in farming.

City Workers

Many thousands of ordinary hands have been out of employment in the larger eastern cities for many weeks. A high proportion of these came from the farm, and if they had stayed with the country they would now have permanent, profitable employment. It is a mistake for a man to go to the city equipped to do only ordinary work; only the specialists have the chance for the big success there.

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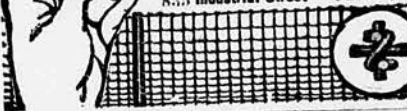
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Just Jerseys Alfafa and Kafir Silage Sold as Cream Make Bank Accounts Grow

By V. V. DETWILER



It is worth while for a section of the country to have a reputation for growing a certain breed of cattle, Mr. Berry thinks. You can buy excellent Holsteins in Kansas, but if you wish to buy cattle of that breed probably you will go to southern Wisconsin to get them, he points out. As soon as enough Jewell county farmers own purebred Jersey cattle so that the county is "on the map" as a Jersey section the selling value of every one of these purebred herds will be increased. Jewell county will not continue to be the home of scrub cows, Mr. Berry insists. The farmers there have too much sense, he says, to continue to put their feed into such cows, after they realize that purebred dairy cows will give much larger returns.

Buys Calves In Many States.

The cows that Mr. Berry has been introducing come from Wisconsin, New York, Missouri and Arkansas. He buys them when they are calves, and sells them just before they come fresh the first time.

This young stock can be bought for very reasonable prices in these dairy sections, Mr. Berry says, provided one makes the purchase at the right time. After a failure of crops, when feed is at a premium, dairymen are not eager to hold a large number of young animals. Every year there is some dairy section that is in this selling frame of mind. When Mr. Berry goes into a neighborhood of this kind he is able to get a carload of excellent calves at reasonable prices. Kansas is rich in rough feed this year, and Mr. Berry has again stocked up well with Jersey calves. He shipped in 100 head from Arkansas only a short time ago. All of these are heifers of excellent quality, judging from the records made by their mothers.

The cost of growing these heifers into cows is not so very great. Kafir silage and alfalfa hay are produced cheaply in north central Kansas. Little grain is fed, and by making the ration strong in

alfalfa hay excellent results are obtained.

Every animal that Mr. Berry ships into Kansas is tested for tuberculosis. There is no place in the United States where the cattle are more free from this disease than in Kansas, he believes, and it would be nothing less than a crime to bring diseased animals into the state. He hires his own veterinarian to do the testing. With a question so important as this it is not well to trust anything to the honesty of the seller.

Kansas Cows Healthy.

There is no reason why disease should be found among Kansas cows, Mr. Berry says. Enjoying, as they do, a dry healthful climate where they can be out in the fresh air and sunshine most of the time both summer and winter, they must be vigorous and healthy. In some of the eastern states where the cows must be cooped up a great deal of the time, tuberculosis is not so uncommon as it should be. It is when buying stock from these parts of the country that one must use great care. It is impossible to determine from the appearance of a cow that she will not develop a bad case of tuberculosis, Mr. Berry says. In fact he has known Kansas dairymen to bring high priced cows to their farms, and then be obliged to kill them within a few months. He never has had any loss of this sort himself, because he always goes to the trouble and expense of getting competent veterinary advice before he buys animals of strangers.

These young purebred cows do not cost the farmers of Jewell county so much as you might expect. Those sold in the last 12 months brought an average price of \$70. It is no wonder that the demand for them is greater than the supply. After they have been milked for a few months they cannot be bought for this price.

Silos and dairy cattle Mr. Berry says, should go together. This is what is happening in Jewell county. There were 50 silos in the county, last year and

now there are 150. Twenty-three silos were built near Mr. Berry's home town this year. All of these are substantial above-the-ground structures, and add much to the appearance, as well as the prosperity of the farms.

Kafir has proved to be the most satisfactory silage used by Mr. Berry. He was the first to use kafir in this form, in that part of the country. In the several years that he has fed kafir silage he has found that it produces better results as a feed, and that it



Cluster King 106593, the Herd Bull.

yields a much greater tonnage to the acre than does corn.

Cream From Rough Feeds.

Alfalfa and kafir seldom fail to yield well in this county, which cannot always be said of corn. Mr. Berry's idea is that Kansas farmers, especially those living in the western two-thirds of the state, should keep stock that will use large quantities of rough feed, and small amounts of concentrates. He points out that it sometimes is necessary for the hog grower to sacrifice his stock because of the scarcity of grain, but that the cattle owner never needs to be without plenty of feed.

Silos, alfalfa, Jersey cows and increased bank accounts, is in brief the program that Mr. Berry wishes to see adopted by the farmers of his section. They have the alfalfa, and have had it for years. They are increasing the number of their silos rapidly, having made a 200 per cent increase in the last year. After a few more carloads of Jerseys have been shipped in, they will have a pretty fair start toward their dairy herds.

If these cows prove as profitable in the hands of the average man as Mr. Berry believes they will, he will see his program go through to a successful finish. The cows that have been sold are well scattered, few persons having bought more than one. They are on trial, therefore, and if they make good in the way that Mr. Berry believes they will, there will be an exodus of scrub cows from that part of the state, before long.

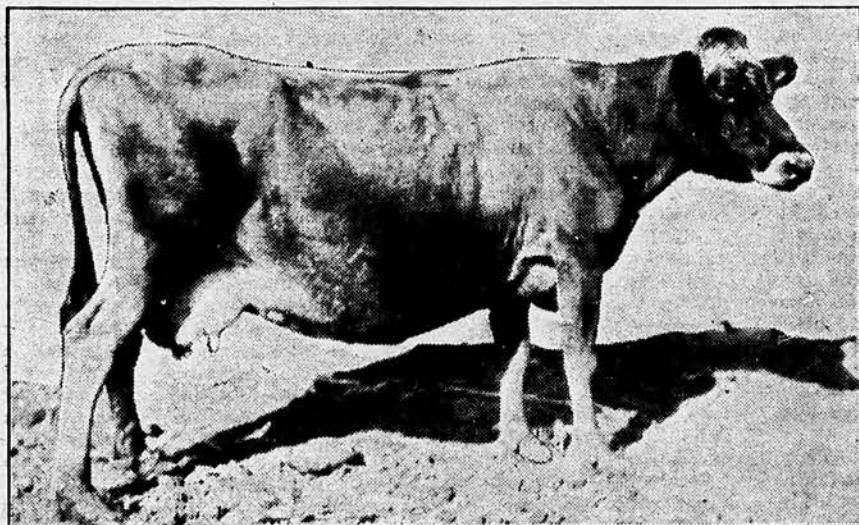
MORE than \$4,500 worth of young purebred Jersey cows were sold in Jewell county last year, by J. W. Berry of Jewell, Kan. It is difficult to estimate what this will mean in the development of that section of the state. Stockmen are not particularly favorable to Jersey cattle in severe winter climates, but Mr. Berry has had much experience and apparently has full confidence that his favorite breed will prosper in the West. Indeed all the young cows he has sent out have proved satisfactory and every purchase has led to others in the same neighborhood.

A greater acreage of alfalfa is grown in Kansas than in any other state in the Union, and Jewell county has more of these acres than has any other county in the state. How to get the largest possible return from this crop is a problem that means much to the people of that section. Mr. Berry believes the purebred Jersey will solve the problem. She will pay a higher price for alfalfa hay, he feels sure, than it is possible for the Jewell county farmer to get from any other source.

Scrub Cows Not Profitable.

"The milk cows found on the average Kansas farm are not profitable," said Mr. Berry. "They are not profitable for either beef or milk production. We have for years been choosing our milk cows from herds of beef cattle. We have picked cows with dairy characteristics, and have developed a type of cow that can be classified neither as beef nor dairy.

"As we have no milk condenseries nor cheese factories in Jewell county, the most profitable cow for us is the one that will produce the most butterfat for the amount of feed consumed. I believe that the Jersey meets our needs better than does any other breed. If we had a market for whole milk, probably the Jersey cow would lose her advantage over the other breeds of dairy cattle."



Bryerwood Ruby 251026, One of the Cows in the Herd of J. W. Berry of Jewell, Kan.—He Bought Her in Elm Springs, Ark.

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Passing Comment — By T. A. McNeal

The New Year

One thing is to be said for the year 1915 which is now starting on the second week. It can bring little more of disaster and misery to the world at large than the last half of 1914.

One needs to take a pretty fair and firm grip on faith, hope and charity in these times or he will lose his faith in humanity and hope for the future. A surface view of things would almost make one conclude that all the civilization and culture of the past ages amount to nothing so far as increasing the comfort and happiness of mankind is concerned. A superficial view would lead to the conclusion that while man has made a great many marvelous discoveries, added immensely to the sum of human knowledge and brought under his control vast forces that were undreamed of a hundred years ago, he has gone backward in the matter of honesty, virtue and consideration for the rights of his fellowmen.

Our civilization, about which we do a good deal of boasting, seems to be a thin veneer of pretense; hypocrisy and greed, both national and individual, appear to have increased in proportion to the increased opportunities for physical pleasure, luxury and display and national aggrandizement and power.

With the increased opportunities for education and observation one naturally would suppose that the masses of mankind would become more capable of taking care of their own interests and less liable to allow themselves to be used merely for the advantage of the designing few; but when we see millions upon millions of men engaged in an effort to destroy the lives and property of their fellowmen in a contest from which those who do the fighting on either side will receive as their reward only increased privation and increased burdens, it does look as if all the multiplied millions expended on popular education for the most part had been wasted.

If the masses of the warring countries had stood firmly for their own interests there could have been no war. If the masses were as wise as we sometimes have supposed they were, standing armies would be impossible; warships would be dismantled; factories for the manufacture of cannon would be closed forever and universal peace would encircle the globe.

So at the beginning of this year 1915 it is natural to take a despondent view of things. And yet that view probably is wrong. I believe we are approaching the dawn of a new day, the beginning of a new and better era.

Experience is an expensive school but fools will learn in no other.

It probably is true that only by the awful experience of a general and bloody war, the most atrocious and destructive the world ever has known, can men be taught the lesson of the wickedness and folly that have prevailed in the world. It may be that the lesson is not yet learned. It may be that still other rivers of blood must be shed and all the nations of the earth must yet be involved in the holocaust of slaughter and destruction before men will learn to do justice and love mercy.

I think the fighting in Europe will continue all through the present year which will be the bloodiest year of all the ages. I hope that our own country may be spared the horrors of war, but I am not filled with confidence that my hope will be fulfilled.

The causes for the European war lie far back of the ultimatum of Austria to Servia and the subsequent attack on the Servian capital which was immediately responsible for precipitating the conflict. A false economic theory that controls the commerce of the world is responsible for all the misery and bloodshed and awful heartaches of the present conflict. Unless another theory can be substituted for that then hope of a lasting and universal peace is a delusion. Men may cry peace, peace but there will be no peace. The same causes that produced this war still will be at work, and in course of time they will produce another titanic conflict and after that another until either the nations are destroyed or will have adopted a co-operative commercial system based on the Golden Rule instead of the utterly selfish, cold blooded, war-breeding, competitive system.

How soon that will come I do not know. There was a time when I was more hopeful than now. There was a time when I thought the change could be brought about without bloodshed. I was mistaken. I will make no predictions now as to the time when the economic changes will be brought about. I will

only say that I do not believe the nations are to be utterly destroyed. It may be two years, it may be five or ten, it may be a hundred years before the truth dawns on mankind that men ought to be brothers all over the world.

The Real Brotherhood

And now just get that idea of brotherhood into your minds. Brothers do sometimes deal unjustly with one another. I have known and you have known brothers who were brothers only in name. They would quarrel and fight; they would swindle each other and do each other wrong whenever they had the opportunity; but such brothers are never popular in the community in which they live because every right thinking person knows that their conduct is not the conduct that we have a right to expect from brothers.

On the other hand, we have seen brothers who were brothers in fact as well as name. They always stood together, in health or in sickness, in prosperity or adversity, and if there was one weak, helpless brother in the family, instead of saying as the commercial world says, "Take from him what he has because he is not able to hold it; crowd him out because he is not strong enough to compete," these great strong brothers of his see that he has the best of what they have to give. By reason of his helplessness he is given a better chance than the others who are strong. These brothers learn that by co-operating with each other each is made stronger and more successful as well as almost infinitely more happy.

If the people of the world could but learn this simple truth, the problem would be solved. The people of every nation would adopt a co-operative system and then the various nations would co-operate with one another. The whole world would be filled with the glad melody of peace and good will and men would be filled with wonder as they read of the stupendous folly of the generations that wasted their strength, their lives, their substance, in fighting one another.

Kansas Governors

The proprietor of this agricultural and moral guide will be inaugurated governor of Kansas, next Monday, the first governor of this state born on Kansas soil.

As there are readers of this paper who may not be familiar with Kansas history, a brief review of Kansas governors may not be uninteresting.

The first governor of Kansas, as a state, was Charles Robinson who was born at Hardwick, Mass., July 21, 1818. When a young man he studied medicine and went to California with the gold seekers' rush in 1849. While there he led a rather strenuous life, becoming the leader of the "squatters" as against the landed aristocrats. He was severely wounded in a fight between the factions; was once arrested charged with treason and was frequently in danger of his life. His term as governor was also stormy. He was impeached by the lower house of the legislature but acquitted at the trial before the state senate. He left the Republican party and in 1890 was the candidate of the Democrats and re-submission Republicans for governor. He died August 17, 1894.

The second governor of Kansas was Thomas Carney, born in Delaware county, Ohio, August 20, 1824. He settled in Leavenworth, Kan., in 1858 and engaged in the mercantile business. He accumulated a considerable fortune which he lost subsequently by unfortunate speculations and, as it was asserted, by the machinations of unscrupulous politicians. Governor Carney died July 28, 1888.

The third governor of Kansas was Colonel Samuel J. Crawford, who was born in Lawrence county, Ind., April 15, 1835. He was elected governor in 1864 while serving in the field at the head of his regiment. He was then only 29 years old and was the youngest governor ever elected in Kansas. He was re-elected in 1866 but resigned his office two months before the expiration of his term to take command of the 19th Kansas regiment which was organized to take part in the campaign against the Indians who were committing depredations in western Kansas. Governor Crawford died last year at the age of 78.

Nehemiah Green, who was the only lieutenant governor who attained to the governorship by the resignation of the governor, was the fourth governor. He was born in Harden county, Ohio, March 8, 1837; was elected lieutenant governor in 1866 and, on the

resignation of Governor Crawford, became governor November 4, 1868. He held the office only a few days more than two months. He died at Manhattan, Kan., January 12, 1890.

The fifth governor of Kansas was James Madison Harvey, who was born in Monroe county, Va., September 21, 1833. He came to Kansas in 1859 and took a claim in Riley county. He was elected and re-elected in 1870. He was elected governor in 1868 and re-elected in 1870. He was elected to the United States senate in 1873 to fill out the unexpired term of Alexander Caldwell. He served in the senate until 1877. He died April 15, 1894.

The sixth governor of Kansas was Thomas A. Osborn who was born in Meadville, Pa., October 26, 1836, coming to Kansas in 1857. He was a printer, an editor and a lawyer. He was elected governor in 1872 and re-elected in 1874. He died in his boyhood home, February 4, 1898.

A Victim Of Factions

George Tobey Anthony, seventh governor of Kansas, was born on a farm, near Mayfield, Fulton county, N. Y., June 9, 1824. He came to Kansas in 1865 and was elected governor in 1876. While in 1865 and was elected governor in 1876. While intellectually the most brilliant of all the Kansas governors, he was the victim of factional troubles within his party and failed to receive a renomination in 1878. He died in Topeka, August 5, 1896.

John Pierce St. John, eighth governor of Kansas, was born at Brookville, Franklin county, Ind., February 25, 1833. He came to Kansas in 1869 and began the practice of law at Olathe. He was elected governor in 1878, re-elected in 1880 and defeated for a third term in 1882. He was the only governor who was nominated for a third term. He was nominated for president on the Prohibition ticket in 1884 and while he did not get a large number of votes he undoubtedly took enough votes away from James G. Blaine to insure his defeat. Ex-Governor St. John still is hale and hearty although almost 82 years old.

The First Democrat

George W. Glick, ninth governor of Kansas, was born in Greencastle, Ohio, July 4, 1827. He came to Kansas in 1858 and began practicing law in Atchison. He was elected governor in 1882 and had the distinction of being the first Democratic governor elected in Kansas. He died at his home in Atchison April 13, 1911.

John A. Martin, tenth governor of Kansas, was born at Brownville, Pa., March 10, 1839. He came to Kansas in 1857 when only 18 and was secretary of the Wyandotte convention which formed the present constitution of the state when he was only 20. He was made a lieutenant colonel when he was only 22 and made colonel of the 6th Kansas volunteer infantry when he was but 23. He was editor and proprietor of the Atchison Champion for many years. He was elected governor in 1884 and re-elected in 1886. He died at his home in Atchison October 2, 1899.

Then Came the Populists

Lyman Underwood Humphrey, eleventh governor of Kansas, was born in Stark county, Ohio, July 25, 1844. He enlisted in the army when but 17 and rose to the rank of first lieutenant. He was elected governor in 1888 and re-elected in 1890. At his first election he received over 73,000 plurality, but in 1890 the Populist wave nearly swept him out of office. Ex-Governor Humphrey still lives at Independence, Kan.

Lorenzo D. Lewelling, twelfth governor of Kansas, was born in Henry county, Iowa, December 21, 1846, and moved to Wichita, Kan., in 1887. He was unknown to any but his immediate neighbors, when he was nominated for governor by the Populist party in 1892. A complete fusion between the Populist and Democratic parties elected him by about 8,000 plurality. The most sensational episode in his administration was the legislative war, which seemed at one time likely to become very serious. Fortunately it was settled without bloodshed. It was during his administration that the Coxey armies made their celebrated march to Washington. He died of heart disease September 3, 1900.

Edmund Needham Morrill, thirteenth governor of Kansas was born at Westbrook, Me., February 12, 1834. He located in Brown county, Kan., in 1857 and was elected to the first free state legislature the same year. He served in congress eight years,

was elected governor in 1894 and defeated for re-election in 1896. He died at his home in Hiawatha, March 14, 1908.

When Leedy Came

John W. Leedy, fourth governor of Kansas, was born in Richland county, Ohio, March 8, 1849. He came to Kansas in 1880. Originally he was a Republican but joined the Populist party when it was organized; was elected to the state senate in 1892, and was nominated for governor by the Populist convention that met at Abilene in 1896. He was defeated for re-election by Stanley in 1898. After the expiration of his term as governor he moved to Alaska, where I believe he still resides.

William E. Stanley, fifteenth governor of Kansas, was born in Knox county, Ohio, December 28, 1844. He located in Jefferson county, Kansas, and began the practice of law in 1870. He moved to Wichita in 1872. He was elected governor in 1893 and re-elected in 1900. He died at his home in Wichita, October 13, 1910.

Willis J. Bailey, sixteenth governor of Kansas, was born in Carroll county, Ill., September 12, 1864. He came to Kansas in 1879 and engaged in the stock business. He served one term in congress as member-at-large from Kansas and also one term in the Kansas legislature. He was elected governor in 1902 but withdrew from the race for re-nomination before the convention met in 1904. He has been engaged in the banking business in Atchison since his term as governor expired and is now one of the directors of the Kansas City regional reserve bank.

Edward W. Hoch, seventeenth governor of Kansas, was born at Danville, Ky., March 17, 1849. He was a printer. He came to Kansas in the early 70's and took up a homestead near Florence, Marion county. He bought the Marion Record in 1874 and continued as its editor and proprietor until he was elected governor in 1904. He was re-elected in 1906. Since his retirement from the office of governor he has been one of the most popular platform lecturers in the United States.

Walter Roscoe Stubbs, eighteenth governor of Kansas, was born at Richmond, Wayne county, Indiana, November 7, 1858. He began his business career at 20 on a sub-grading contract with two teams of mules. His business developed until he became one of the most extensive grading contractors in the United States. His first venture in politics was when he was elected to the lower house of the legislature in 1902. He served three terms in the legislature, the last as speaker of the house. He was elected governor in 1908 and re-elected in 1910.

George Hartshorn Hodges, nineteenth governor of Kansas was born at Orion, Wis., February 6, 1866 and moved with his parents to Kansas in 1869. He made a moderate fortune in the lumber business. Was elected governor in 1912 by a plurality of 29 votes; defeated for re-election in 1914 by a plurality of 47,000.

The twentieth governor who will take his seat next Monday was born at Garnett, Kan., in July, 1865. His success as governor will be tested by experience. I can only say that I know it is his ambition to be a good governor, and if his official career is as successful as has been his career as a newspaper and business man, he will establish a new record among the governors of Kansas.

It's Back to the Farm For Him

In these times when there is so much talk about the drift away from the farm to the town it is gratifying to find that some are looking with longing eyes for a chance to get away from town and out onto the farm.

A letter from E. S. P. of Chanute says that he is a mechanic working in the railroad shops there but that he is longing to get out on the farm, and what seems even more encouraging, that his wife and children are as eager to get out on a farm as he is. In a limited way they have made a success of raising purebred poultry and hogs in town and he believes that he with the help of his wife can make a go of it on a larger scale out in the country where he intends to raise fine stock.

Well, I think the young man has the right idea and that he will succeed. One thing is certain and that is that it does not pay to go on the farm with any other idea than to farm as well as you possibly can and raise as good stock as you can. Scrub stock and poor farming never made any man rich and never will.

Of course this young mechanic will suffer some reverses and meet with many disappointments, or at any rate if he doesn't his experience will be most remarkable and unusual; but he will learn by his failures and profit by his disappointments and finally he will succeed. Maybe he will never get very rich, but what of it? Why, as a matter of fact, should any person want to be very rich?

More About Kansas Maids

This question of securing wives for Kansas bachelors is getting bigger. The letters are coming in from other states as well as Kansas. A young woman from central Kansas signing herself "Central Kansas Girl" says, "I am interested in the bachelor's talk of the Belgian girls. As the girl from Granite, Okla., said, the bachelors need not go out of the United States to get girls to marry. The girls and the old maids too, find the same trouble as do these bachelors. 'The general average of young men and young women now do not have the true spirit of home build-

ing. They do not choose their helpmates wisely. The young man with a meager income of say \$15, or \$20 a month does not look with sense and judgment at the girl who is used to the ordinary number of good, neat dresses in a year, but looks with admiration on the girl who wears fine clothes and jewelry and has her finger nails manicured.

"Why is it that the girl who would be a noble, home-making wife, who would do anything within reason to help her husband make a real home, cannot meet a man willing to do the same? Somehow that seldom happens. Hence the divorces evil and the large number of self-supporting wives and unsupported children. Something is wrong. Who is to blame?"

"Why should girls have to wait for a man to state his admiration for them? Why should not the girl be permitted to say, 'Mr. Bachelor, I admire your ways or ideas. I should like to know you better?' Men have not the insight that enables them to judge a girl's character. The man usually judges a girl from general appearances and if the girl has not what are called beautiful features he passes her by."

In view of the fact that I have seen many married women whose faces would stop an eight-day clock I cannot agree with "Central Kansas Girl's" opinion of the way in which men choose their wives.

A Chance for Someone

A young woman of Summerfield, Kan., signing herself "Lonely" writes me that she would like to correspond with one of these bachelors with a view of hitching up if they prove satisfactory to each other. Miss "Lonely" says that she loves the farm and is not stuck up. All she wants is a good man about 36 to 38 years old who will give her a good home and she will do her part. She is a good housekeeper and a good cook. If any of these lonely bachelors mean business and will write me I will give them the real name of Miss "Lonely." Get to the front, old boys! Get to the front!

Here Is a Challenge

A bachelor reader of Bogue, Kan., issues a challenge to the Kansas maid of Moreland, Kan., who strongly intimated that the trouble with the Kansas bachelors of Mullinville, Alta Vista and other localities is that they lack sand. The Bogue bachelor says if this Moreland, Kan., maid "is looking for a bachelor who is not a tightwad and who is good natured, all she will have to do is to mail a letter to Bogue, Kan., R. F. D., Box 46."

All the Bogue bachelor demands is that the Kansas maid be a good worker and of good character. If she can fill these requirements and will write she can get an answer. Get busy, Kansas maid.

Might Try Being Tough Awhile

"Happy Bachelor" of Sedan, Kan., is also interested sufficiently to take his pen in hand. He says that he is of the opinion that it is not necessary to import Belgian women for wives for Kansas bachelors. He is a bachelor and is glad of it—in other words, he glories in his shame; says that he never has tried to get a wife, but has been of the opinion that any man can get married if he wants to. He suggests that Mr. "True Bachelor" might try being tough for awhile and see if he cannot in that way attract the attention of some fair maid. Finally he says, "I am not in favor of importing marriageable women from Europe to Kansas. There are too many marriageable women in Kansas now for the safety of us bachelors."

Suggests That Bachelors Get Some Style

"Bachelor Brother" of Parker, Kan., asks, "What's the matter with our good, home-loving Kansas girls? Are they not inclined to admire capable, energetic, sociable young men of the real Kansas type? Are they so hard hearted that they refuse to speak to us because we have small skating rinks on top of our heads? No. We are a little too much on the back woods order to suit the up-to-date Kansas girl.

"Let us discard our rubber collars, coat springs and bob-tailed dress suits; throw our No. 13 congress gaiters into the waste basket; doll up like a negro preacher on Emancipation day; step out with a little knee action, get with some sociable girls and enjoy ourselves. Let us show the young women we are still in the ring; that we mean to thump them on the wrists severely if they dare accuse us of being tight-wads and back numbers.

"But beware of the fluffly-ruffle type; that kind won't make real farmers' wives. They are calculated to stay in the cities, attend noon teas, do dainty needlework. Let us try our best to make a hit with some good farmer's daughter, one who can cook well enough for a king and keep the house so neat and tidy that we will feel proud to invite our friends in to enjoy a social evening. Faint heart always loses out. Let us get busy."

That is the proper slogan. Go to it, me hearty bucks.

Defends the American Girls

A Minneapolis subscriber, who signs herself the "Happy Wife of a Bachelor"—though I don't exactly understand how she could be the wife of a bachelor—comes to the defense of the American girls and resents the imputation of "True Bachelor" from Mullinville that the American girls are frivolous and extravagant. "The majority of them," she says, "are willing to work for loved ones in a home of their own, provid-

ing they find a man of the right sort; not one who has 'bached' so long that he has become cranky and set in his ways. A home is the dearest, the most sacred place on earth if the husband and wife do their parts, and most American girls are willing to make it so when given the chance.

"Anyway," she continues, "no European girl who respects herself would be willing to come across the seas to marry a man she never has seen. And what man wants congress to propose for him?"

Spruce Up, Mr. Bachelor

A Smith county school teacher hands the bachelors a small bunch, also. She says that in her opinion these Belgian girls would not be willing to take a lot of left over, shelf-worn bachelors who have been passed up by the Kansas girls. She also vigorously denies that the principal occupation of the modern Kansas girl is to powder, paint and wear fine clothes. Many girls are teaching school; many are working in offices, stores and other lines of business, while just a few are keeping up with the styles.

She also suggests that if these bachelors would try a little style themselves they would not need to import European girls. They could find plenty in their own state who would equal any girls who might be imported.

Gives Some Advice To the Bachelors

Finally, at least for the present, I will close this matrimonial discussion with the following letter:

Editor The Farmers Mail and Breeze—The writer read with a great deal of interest an article in the columns of the issue of December 12 from "A True Bachelor" and the replies to that article in your issue of the 26th.

To begin this discussion without confessing to being a married man perhaps would be more interesting to some bachelors but might not add to that of the bachelor girls; but such a statement serves the purpose of a basis for the writer's judgment and observation of the things to follow.

So far as "True Bachelor" describes the tendencies of most American girls I can sympathize heartily with him. The idea of being a help-meet seems to have lost dominance in the mind of the American girl of today. Most men, after taking one of them into partnership, find her an added burden instead, and I have noticed with some feeling of alarm the increasing number of years added to the legal quota of years of the better classes of men before they dare to assume the responsibilities of this step in life while some of the more timid ones never advance to that stage.

Much of the fault lies in the training of our young people, and I believe has its source in our educational system. Many of our young people while passing through their school years seem to get the idea that it is a disgrace to work or indulge in any productive occupation. Many of them indeed seem to feel that unless they can get into an occupation that is supported by and owes its being to the efforts of production, they have made a failure of their education. The trouble seems to be in that almost all are trained to want to follow the same kind of occupation while the ranks of the producers remain unfilled.

We cannot blame the American girl for her tendencies when we authorize and support the system that helps to mold her and the average girl does not care to reason otherwise so long as she is on the side of popular opinion and faces what is supposed to be certain degradation should she decide to alter her course. Many men would do likewise under these circumstances did they not feel that such a course would bring them nothing. It is the better trained reasoning power of man that saves the day but even in that respect later years show a decline and we need to wake up and look about us to save the day.

My own observation of bachelors in general is that they possess many admirable qualities but seem too egotistical and domineering in their attitude to insure the continued happiness of any woman with a mind of her own unless she be endowed with the happy faculty of submitting her every wish and action to that kind of direction. "True Bachelor" seems to admit his position in the matter in his desire to import someone who is driven by circumstances to accept his proposal. It seems to be an inherent faculty in bachelors that concludes that wealth will bring to them, in short order form, anything for which they may place a call. I believe most married men will have to admit that they did not win their wives by the mere use of words but that it took much of their own valuable time and effort to win and convince them.

"True Bachelor" no doubt, has taken this step in sheer desperation because of his own failure in this respect; has realized that he does not stand an equal chance with others in his community and is in need of special assistance. Why not devise a way to encourage these foreign women to come over and help us solve the servant problem, and in this way dispose of a much needed want, especially in western Kansas where farm women are overburdened and must have hired help? The only way they can get this help now is by entertaining some girl for three or four weeks and helping her prepare her wedding trousseau, after which it is the same thing over again. This, in connection with the wages demanded makes their help very expensive.

A foreign girl would, no doubt, be content to advance more slowly and receive less pay for much better service. At the same time she would have an opportunity to grow into the affections of those about her and would have an opportunity to select from such eligible acquaintances a companion to her liking. That would place Mr. "True Bachelor" and others of his kind on their best behavior and give them an excellent opportunity to display their best intentions toward the object of their search.

If bachelors could be content with their class and choose elderly companions of their own mature years instead of wasting their time and attentions in pursuit of the young and foolish they might be more certain of success. I am satisfied that there is a class in our own land ready and willing to try fate with such as "True Bachelor." With the same or less effort than that required for the foreign importation Mr. "True Bachelor" could form an association with other bachelors and adopt a set of rules and bylaws which might be distributed among likely members of the fair sex.

I am not advertising a matrimonial agency nor do I believe that rightly directed effort in that direction would bring to such men as Mr. "True Bachelor" a companion of whom they might well be proud and one that they could respect far more than any member of the foreign kind.

Palco, Kan.

ECONOMIST.

Better Crops For Allen

Rapid Progress Has Been Made By W. E. Watkins, the County Agent

By F. B. Nichols, Field Editor



Cutting Alfalfa on the Farm of Walter Jones of Iola; the Acreage of This Crop Has Been Doubled in Allen County in the Last Two Years

BETTER methods of soil management and more livestock are the big needs of Allen county. Perhaps the greatest need of this section is more humus in the soil especially on the shale-formed lands. The main work of the county agent, W. E. Watkins, has been to boost for legumes, crop rotations and the feeding of the crops, on the farms where they are raised, to profit-producing animals.

Mr. Watkins began work for the Allen County Agricultural club in May, 1913. Since that time the membership of the club has been increased until it now has about 90 members. The acreage of alfalfa has been raised from 2,000 to more than 5,000 acres. More than 2,500 acres of Sweet clover has been planted; there was almost none of this crop in the county before Mr. Watkins arrived, except what grew wild along the roadsides. Limestone has been applied on 40 farms; about 10 carloads were used in 1914. There are about 160 silos in the county now, a large number of which have been built in the last two years. Considerable institute work has been done; 67 meetings were held in 1913, and a slightly smaller number in 1914. Much progress has been made with the boys and girls, especially in some of the leading communities.

One of the especially important aids in Mr. Watkins's work has been the bulletins he issues. There is some variation in the times at which these are mailed, as the hope is to make them timely, but an average of one a month is printed. They are sent free of charge to the members of the club. Considerable information about the sale of farm products has been made available through these bulletins.

An excellent record has been made by Mr. Watkins on the crops displays from Allen county, and that community has received a great deal of favorable publicity that it otherwise would not have obtained. The best record was made at the International Soil Products exposition at Wichita, last October, on the county exhibit. Mr. Watkins took first place with this display, and he won about \$550 in cash prizes for Allen county. A part of this exhibit, including a farm map, planned to boost crop rotation, has been selected to form a part of the Kansas showing at the world's fair at San Francisco.

The crop rotation idea which was featured so strongly has been the basis of the work Mr. Watkins has done in Allen county. The soils problems of that county are very serious on the land formed from the decomposition of shale, and a radical change in the methods of management is essential if the yields

are to be maintained. More legumes should be grown.

There are three general kinds of soils in the county, although these would be divided into several types by a soils specialist. The bottom soils are fairly rich, and they have not been so much reduced in crop producing power as the upland farms. In general the bottom lands still are producing crops that are fairly profitable. There are two general kinds of upland soils, the shale formed and the limestone lands. The limestone land generally is fairly fertile, and as a rule this type will grow the legumes all right even if the soil is thin, although in many cases manure is much needed. The shale formed soils make up by far the larger part of the uplands, however, and they are especially hard to manage.

Grain farming has greatly reduced the stock of humus and available fertility



Sudan Grass Grown by Harmon Hobart Near Iola; the Yield of Hay Was 7.3 Tons an Acre, the Seed Yield 781 Pounds.

in these soils, and they are in very bad condition on most farms. They need a great deal of humus and lime. A logical system of farming on soils of this type will provide a good crop rotation, in which the legumes are featured, and the keeping of enough livestock to eat all of the feed that is produced. Lime also should be applied where the soil tends to be deficient in this essential. Lime has been obtained from the Ft. Scott Hydraulic Cement company for \$1 a ton in carload lots, and from the cement plants at Humboldt and Carlyle.

Good work has been done with co-operative tests on crops on all soil types. Some of the farmers who have obtained especially good results with crops are: A. M. Dunlap, Carlyle; D. A. Ray, Iola; R. A. Ewing, Iola; R. O. Fernux, Moran; and Charles Nelson, Stark. These men have done especially well with the legumes. The aim with all of the crops

work has been to feature the tests on alfalfa, clovers and cowpeas.

Sudan grass showed up remarkably well in the crops work this year. Mr. Watkins believes that this crop will have an important place on the shale formed land. Especially good results were obtained on the farm of H. Hobart of Iola. This grass was seeded in rows May 20. A part of the plot was cut for hay three times, July 20, August 28 and October 20. A total yield of 7.3 tons of hay an acre was obtained. The part of the crop that was left for seed gave an average yield of 781 pounds an acre.

Some especially complete results were obtained on silage tests last season. The object was to determine which of the leading silage crops will give the greatest returns under Allen county conditions. Black Hull White, White Hull, Red, Dwarf and African kafirs were compared with cane, corn, milo and fetterita. All these crops were planted on uniform soil and received the same treatment throughout the season. The following table gives the yields on the farms of A. M. Dunlap, Carlyle; H. Hobart and J. L. C. Woods, Iola; and Fred Olmstead, Moran.

Yields in Tons an Acre.

Crop	Dunlap.	Hobart.	Wood.	Olmstead
Cane	15.34	12.58	10.20	12.72
Milo	12.94	10.26	8.84	10.65
Black kafir	11.16	10.51	8.98	12.41
Corn	10.25	11.20	9.68	9.75
Dwarf kafir	6.98	8.83	9.56	8.27
White kafir		9.32	5.95	9.79
Red kafir		10.00	4.58	8.57
Fetterita	8.56	7.75	4.89	8.81
African kafir	6.84	3.62	3.92	6.62

Allen county farmers appreciate their needs, and they are trying to solve their problems in an intelligent manner. They are running tests on the problems of soil management and crops and livestock to determine the methods that are best adapted to the local conditions. This county is in the lead in solving the agricultural problems of southeastern Kansas.

Who Needs a Man?

I want a place on a farm with some good man. I will work by the month or on a share basis.

I am married; 30 years old; white; American; sober; I smoke but do not chew. So back to the farm for me. If you can help me in any way I shall be grateful.

Bert G. Taylor.
Box 47, Milford, Kan.

Concerning Salted Alfalfa Hay

Does it pay to salt alfalfa hay? Have Kansas growers used this method extensively?
H. E. R.
Wathena, Kan.

It is a general practice among farmers in the eastern states to salt clover, and clover and timothy hay when it is placed in the mow. Occasionally a farmer in this state used salt with alfalfa hay. The object in applying the salt seems to be for two purposes: to increase the palatability of the hay, and to enable the farmer to mow the hay in a greener condition than it otherwise could be mowed.

Salt may increase the palatability of poor hay, but if the animals are getting

the salt that they need, it is questionable whether salt will increase the palatability of well cured, first class hay.

Regarding the use of salt to preserve hay when placed in the stack or mow in a green condition, there seems to be no data to prove that an application of salt prevents hay from heating and molding. There is a possibility that salt placed with the hay checks, to some extent, the growth of bacteria and fungi which causes fermentation and heat. In this way the salt may prevent, to some extent, green hay from molding.

There seems to be some objection to the use of salt with hay from the feeding standpoint. Good feeders prefer not to mix salt with the feed. They believe better gains are made when the salt is fed separately.

L. E. Call.
Kansas State Agricultural College.

Feed Cottonseed Meal

The man who is feeding cattle or sheep this winter will find cottonseed meal a cheap feed to use. It is estimated that the increase in the amount of cottonseed feeds put on the markets in this country, this year, will be about 25 per cent. The extra supply is due to increased production combined with the closing of foreign markets. The farmers of European countries have been quick to recognize the value of cottonseed products. They have bought cottonseed cake, produced in the United States, to fatten their cattle and to enrich their soils for almost half a century. These markets are closed now, because of the war. This means cheaper feed for the American stockman who takes advantage of the opportunity offered.

The value of cottonseed meal or cake as a supplement to other feeds for growing and fattening stock has been demonstrated by the work of several experiment stations and practical farm experience. Cottonseed products supply the cheapest form of protein we have this winter. The meal is selling from \$3 to \$5 a ton cheaper than it did a year ago. From 1 to 3 pounds of meal can be fed to either stock cattle or fattening steers with good results. This is true especially if part of the roughage is silage. Larger amounts can be fed in localities where the meal is relatively cheap and other feeds high priced. Heavy meal feeding is not likely to be practiced on many corn-belt farms.

A combination of cottonseed meal, silage, and a dry roughage makes a good ration for wintering cattle. The Kansas Experiment station fed stock calves through the winter of 1913 and 1914 on a ration of cottonseed meal, a little grain, silage, and other rough feeds for a little less than \$8 a calf. A little corn was fed to the calves in this experiment because the silage crops grown in 1913 did not produce grain. This will not be necessary in good crop years. Since the finishing period in these days of "baby beef" is, to a considerable extent, a continuation of the growing period; the same feeds with a liberal allowance of corn make a good ration for fattening steers. The coarse, cheap roughages grown on the farm must be utilized in producing beef in the future. Most of these roughages are lacking in growth-producing materials, consequently they must be supplemented with more concentrated feeds which supply the materials lacking if they are utilized to the best advantage.

Turner Wright.

Stock Breeders To Meet

A good program has been prepared for the annual meeting of the Kansas Improved Stock Breeders' association in Topeka, January 11 to 13. G. A. Laude of Rose, E. L. Barrier of Eureka, and R. J. Linscott of Holton will discuss subjects of interest to producers of both beef and dairy cattle. Discussions of livestock sanitation and the control of hog cholera will be led by Dr. C. W. Hobbs of the Kansas State Agricultural college and George W. Berry of Topeka. "Selling Surplus Stock" will be the subject of a talk given by F. O. Newton, Newton, Kan. Walter Burr of the Kansas State Agricultural college and F. W. Bevington of Jewell will talk on rural community problems. Women also will take part in the meeting. Miss Frances L. Brown of the Kansas State Agricultural college and Mrs. William Brobst of Topeka will give the principal talks in this department.



Spreading Ground Limestone on a Field Owned by J. H. Campbell, Allen County; This Material Has Been Used on 40 Farms Since Mr. Watkins Began Work

Let's Harvest the Ice

Expensive Buildings Are Not Needed, Work Must Be Done Right.

By V. V. Detwiler

ICE is one of the luxuries that country people can have at less cost than is possible in the city. A house does not cost a great deal. Few tools are required, and the work comes at a time when labor is cheap.

Three rules must be observed if you would have ice keep well. Put in a drain that will keep the floor of the house free from water. Pack the ice so that it is well insulated from the walls and floor. Provide an efficient system of ventilation, so that moisture will be removed readily from the packing which covers the ice.

So far as keeping the ice is concerned, it makes little difference whether you build your house entirely above ground, partly above and partly under the ground, or all except the roof under ground. Any of these houses will preserve the ice if they are properly constructed and if the ice is properly packed, and none of them will be efficient if the work is not correctly done.

The ice house that is dug out of the ground costs more in labor, and less in material, than does the one that is built above the ground. Of course if you prefer a permanent building that will add to the appearance of your farm, it is better to build above the ground. Cement, brick, stone, or wood can be used with equal success. The walls should be made double, with an air space between, to prevent heat absorption.

If the ice house is put under ground,



Cutting May Be Done With a Saw.

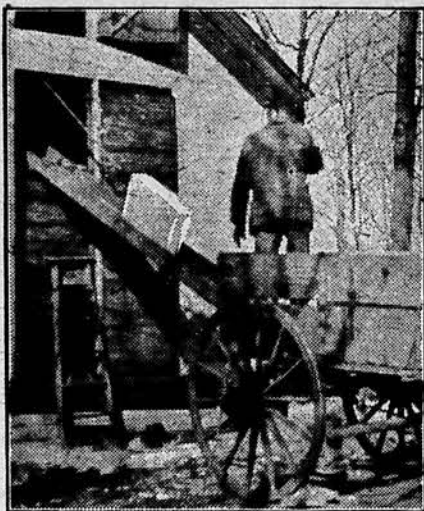
it is best to dig it in a sandy soil. This sort of soil allows the water to drain away readily. If the pit is dug in a firm clay soil, it should be drained. Sometimes this is accomplished by having the ice house near a creek bank, and running a drain to the creek bed. It doesn't matter how the water is removed, but it must not be allowed to stay with the ice.

If the ice house is built above the surface of the ground the problem of drainage is easy to solve, but other problems then need attention. Care must be used to prevent a circulation of air through the drain and around the ice. Ventilation is needed in the top of the ice house, but a circulation of air under the ice will cause it to melt rapidly.

It is not economical to use a dirt floor in an ice house that is built above the ground. This is because the warmth in the surface earth would then be transmitted readily to the ice. A cement floor that is not well insulated from the ground has the same objectionable point. The floor should be constructed so that the ice will be insulated from the ground, and so that air cannot circulate under the building. It is possible to make a floor that furnishes such perfect insulation that this last point is not necessary. It is wise, however, to shut off all passage of air under the building.

A frame building is desirable for an ice house. All cracks in the walls should be battened. The efficiency of the house is much increased if a lining of boards is placed on the inside of the studding,

and the space between this lining and the siding filled with some insulating substance such as saw dust, or straw chaff. The cave type of ice house probably will continue to be popular in Kansas. It is, of course, just as important



Work Is Done When Labor Is Cheap.

to insulate the ice from the earth walls as it is to insulate it from the outside air in the above-ground type.

No matter what type of house you build, a roof that does not leak is a necessity. It does not pay to fill an ice house if the ice does not last until the middle of July. Houses have been made that did not prove any more efficient than that. Two or three spring rains on top of a quantity of well-packed ice will work magically in making it disappear.

Never locate a cave ice house in such a manner that it is possible for surface water to run into it. Even though it is made on high ground it is worth while to dig a ditch around it so that all surface water will be carried away. Be sure that you have things arranged so that the water that runs off the roof will not stand near the house and soak down into the packing between the ice and the walls.

When you are planning how large a house you will need, it is well to figure that one-third of the ice will melt. This estimate is high, if the ice is cared for properly, but it is well to figure so there is little danger that you will be disappointed. Allow 40 cubic feet of space for every ton of ice.

In parts of the country where the streams are covered with thick ice every winter, the people plan to harvest their ice crop so as to get cakes about 12 inches thick. In Kansas the problem is to get the ice when it is at the maximum thickness. Eight or 10 inch ice usually is considered satisfactory.

When a small amount of ice is to be harvested, a saw often is the only tool used. The work is made a great deal easier if a plow is used. The ice chisel shown in the illustration is a handy tool



Cakes 10 Inches Thick and About 20 Inches Square Are a Convenient Size to Handle.

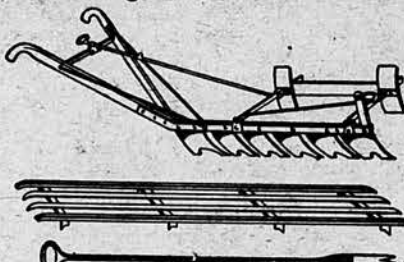
for breaking the cakes apart, and a skid is a help if the cakes are to be loaded on wagons. Simple ice hooks should be provided. Several neighbors can buy a set of tools in partnership, at a very small cost to each one.

Cakes about 20 inches square are a convenient size to pack. If your family is small it may be better to use smaller cakes. It is poor policy to be obliged to break cakes when you wish to remove ice, because small pieces are sure to chip off and melt. The moisture that this makes on the surface of the packed ice causes more melting.

Most Kansas farmers pack their ice in wheat straw. It is cheap, easy to get, and furnishes efficient insulation. Ten or 12 inches of straw should be placed under the ice. Put enough straw on the floor so that it will be this deep after it is packed. Eighteen inches of straw should be packed between the ice and the walls.

The care used in placing the ice in the house, has a great deal to do with the amount of melting loss that there will be. The cakes should be made to fit snugly. Air spaces will destroy ice for you.

Place the first layer of cakes flat on the straw. Trim off projecting points before taking the cakes into the house.



Tools That Make the Work Easier.

The ice will be laid only to within 18 inches of the walls. The second layer of ice should be made of cakes placed on edge. Be sure to have the cakes of uniform size, so that air spaces will be avoided. Pack straw between the ice and the walls, and you are ready for the next two layers.

After you have the ice packed, and have covered it with a layer of straw, don't close the building as tightly as possible with the idea of keeping out warm air. A circulation of air over the upper layer of straw is needed to keep the straw dry. The evaporation of moisture lowers the temperature of the straw, too. It is neither necessary, nor desirable, to have a breeze blowing through your ice house on a hot day, but efficient ventilation is needed.

"So Say We All of Us"

A. F. Yeager did not give us any plan of how to get rid of the curse of tenant farming. I think the only way to remedy this great evil is to stop all transfers of deeds where men own and tend their own land, and have all land that is leased or unoccupied become government

land to be used by persons who would settle on it and pay rent to the government instead of to some lord or master as we now do. The time has come for us to say just what we believe. There are millions who think as I do on this question but they do not speak out. God hasten the day when this will be done.
J. M. Taylor,
Overland Park, Kan.

Cups Are on Display

If you happen to be in Topeka in the next few days be sure to look at the display of silver loving cups in the Santa Fe Watch Company's window on Kansas Avenue. These are the cups that the Farmers Mail and Breeze is giving to the winners in the Capper boys' corn and kafir contests that were completed last month. These cups are being engraved now, and will be sent before long to the boys who won them.

Motor Cars on the Farms

An automobile on the farm is a paying investment in many ways. On many farms it does service both as a pleasure car and a truck. By removing the body of the car it is converted into a truck on which farm products are quickly taken to market at very little expense.

In the old days if a member of the family, or a valuable horse fell ill or was hurt, or a machine broke down in the midst of harvesting, the farmer had no choice but to take the consequences. He would drive off to town for help, but it was a long slow drive over bad roads and help almost always arrived late. The car gives him the quick service he needs.

When it comes to the boys on the farm, no one can doubt the influence of the automobile in making the farm attractive. Both the boys and girls of the farm drive the car and take care of it, and you may be sure that the young men or women on the farm where there is an automobile see to it that the car is kept in good shape.

The automobile has promoted the good-roads movement all through America. This is decreasing the cost of transporting agricultural products to market. And so important an item is this that it could almost be said that the improvements in roads alone would more than pay a big interest on the amount the farmer has invested in automobiles. Even now, road improvements have made it possible in many places to use the car every month of the year.

A firm, well-prepared seedbed is essential in growing alfalfa.

STICK TO IT

Until Coffee Hits You Hard.

It is about as well to advise people to stick to coffee until they get hit hard enough so that they will never forget their experience.

A woman writes and her letter is condensed to give the facts in a short space: "I was a coffee slave and stuck to it like a toper to his 'cups', notwithstanding I frequently had severe attacks of sick headache; then I used more coffee to relieve the headache, and this was well enough until the coffee effect wore off.

"Finally attacks of rheumatism began to appear, and ultimately the whole nervous system began to break down and I was fast becoming a wreck.

"After a time I was induced to quit coffee and take up Postum. This was half a year ago. The result has been most satisfactory.

"The rheumatism is gone entirely, nerves practically well and steady, digestion almost perfect, never have any more sick headaches and am gaining steadily in weight and strength."

Name given by Postum Co., Battle Creek, Mich. Read "The Road to Wellville." in pkgs.

Postum comes in two forms: Regular Postum—must be well boiled. 15c and 25c packages.

Instant Postum—is a soluble powder. A teaspoonful dissolves quickly in a cup of hot water and, with cream and sugar, makes a delicious beverage instantly. 30c and 50c tins.

The cost per cup of both kinds is about the same.

"There's a Reason" for Postum.

—sold by Grocers.

Do You Like Mixed Paints?

Some Pointers From Jayhawker Farm Experiences

BY HARLEY C. HATCH

PROBABLY the readers of the Farmers Mail and Breeze who are about to build, this coming season, would welcome a discussion about paint. We know that last fall we should have been glad to read the experiences of those who had used both the ready mixed paints and the kind made of white lead and oil. Almost every painter and mechanic with whom we talked advised the use of white lead and oil while every dealer, no matter whether he sold the white lead and oil or the mixed paints, advised the use of mixed paints. We had an idea that they made more profit from the sale of the mixed paints, for we could see no reason why both carpenters and painters should be so positive that lead and oil was the best unless they knew from wide experience. At any rate, they had no ax to grind. So we painted the new house on the outside with white lead and oil.

The painter who did the work had worked at his trade for four years in western Kansas. He said in that part of the state the mixed paints stood up to the weather the best. Now it would be a profitable topic for many if some of our friends in all parts of the state would write and give their experiences with all kinds of outside paint. Such a symposium would give a man a good line on what really was best for Kansas conditions. There would be no talking to sell goods and a man could rely on what he read.

As to the cost we did not find white lead and oil any cheaper than the mixed paints unless perhaps the paint went farther, gallon for gallon. But we are satisfied that white lead and oil makes a much better looking job where one wants to paint his house white than will the average mixed paint. We had noticed a number of houses along our road to town which had been painted white within a year or so and they seemed to have a slightly bluish cast; they were not a pure white as one or two others we had noticed. The painter said that it was because they were painted with ready mixed paints, and that the bluish cast was due to the use of zinc in place of lead. He said that the average ready mixed paint contained for a pigment about 50 per cent lead and 50 per cent zinc while the houses that looked real white were painted with lead and oil containing as pigment 100 per cent white lead. The paint dealers in town declared that paint used in this climate should contain zinc as it lasted much longer. So there you are. We leave it to the readers of the Farmers Mail and Breeze to decide. Which wears well and looks better the longer under Kansas conditions, paint made of pure lead and oil or the ready mixed paints?

We have taken up so much space with our paint subject that we might as well finish the rest of the column out along the same line. For interior finish so many use hard oil or varnish on the natural wood that it is safe to say that where the job is done with home labor you will find the natural wood finish. There are some places where this finish is all right, but for a house we do not like it. If one is using yellow pine wood for inside finish it can be made to look almost as good as oak by using an oak stain before varnishing. There are a number of different shades of oak stain but we think most people will prefer the golden oak for a dwelling house. It is not necessary that this should be put on by a painter although he probably would do a better job than you could do.

To finish yellow pine with an oak finish the procedure is as follows: Have the wood well sandpapered and then go over it with your stain. After it has been on a little while go over it and wipe it off. Let it dry until the next day, at least, and then put on a coat of wood filler. After this has well set go over it with No. 00 sandpaper and then it is ready for the varnish. Get the best varnish and use it only when warm and in a warm room. For best results the room should be at 80 degrees. In two or three days go over with another coat of varnish and you are then done unless you wish to give it a rubbed

finish. To do this take powdered pumice stone and an old woolen rag. Dip the rag in linseed oil and then into the pumice and go after it. It will take a lot of work but if you scour enough you can put a furniture polish on your wood work. This is much better than to paint or to finish inside work in natural wood.

A good crop season does not always follow a hard winter but usually it does. Probably the winter has no connection with the summer weather following but many of us like to think that good crops are to repay us for a winter of more than common severity.

Grain of all kinds is advancing. Kafir, milo and feterita sell today in Kansas City for \$1.20 a hundred which means that a 56-pound bushel of any of those grains is worth 67 cents a bushel in that market. This is also the price of corn there today. We cannot see why kafir and corn should sell on an equality if used for feed for livestock. Kafir must have other uses than stock food.

But if grain is increasing in price, hogs are not. Another small advance in corn and there will be no margin in hog feeding for even the farmers of Coffey county who live where corn is selling lower than in almost any other county in the state. This means that hogs will be sent to market at as light a weight as possible, or in many parts of Kansas corn is selling for 70 cents. In such localities the price of hogs is about \$6.50 a hundred. There is a loss in hog feeding under these conditions for the average farmer.

For the first time in the history of Kansas, Coffey county stands second in the amount of corn produced. Coffey is a small county and has a small corn acreage as compared with some other counties but this year we were favored above other localities in having more moisture and so came nearer having a crop of corn. We note that Secretary Mohler is pleased at the outcome of the crops in Kansas for 1914; he and all the rest of us have a right to be pleased. Those who did not get a good corn crop raised an immense amount of wheat, and prices have been good for about every thing we have had to sell.

We thought, Christmas day, that Santa Claus had made us a present of a broken pump. The water stopped coming to the tank and a visit to the windmill, 60 rods away, disclosed that the pump rod was parted somewhere down under the water. It was so cold that nothing was done until the next morning when the rod was pulled out. It was not broken but only unscrewed from the rest of the rod further down. We sat down and "fished" for the lower end with the upper rod and finally were lucky enough to get the ends exactly together and the threads caught. It was then tightened up and we were as glad as we had been sorry the day before.

With the ordinary pump there is not a great deal of trouble in the fixing. One only has to pull up the pump and go to work on it. In our well, connection is made to 60 rods of pipe which runs to the house; connection, check valve and packing box are all under water. The pump cannot be pulled up because it is fastened to that 60-rod length. So that when the water is so cold that one cannot get down in the well and fish around with a wrench until the connection is found and the pump loosened, there is nothing to do but dig up enough to the 60 rods of pipe so that the pump and connections can be brought above water. We have never had to do this in the winter and have no fancy for the job. You can imagine we were glad when we had the water running in the tank at the house again.

About half the crows that came in here from the North a month or so ago have left but there are still large numbers spending the winter with us. They roost in the timber along the creek at night, coming in from their country excursions about 4 o'clock every evening. They leave their roosting place as soon as it is light in the morning and go out over the country to spend the day.

We have a few shocks of kafir which has not yet been topped right close to where they spend the night but so far the crows do not seem to have eaten any of the grain. They leave so early in the morning and get back so late at night that they seem to miss it. Perhaps they are saving it for a stormy day.

Soils Need the Straw

A great deal of straw is being spread back on the wheat fields in Kansas this winter. The big wheat crop of 1914 produced a great deal of straw, which is being returned to add to the humus content of the land. The lack of soil humus is the greatest limitation on most Kansas soils. Just as soon as the amount of humus in the soil starts to decrease, the land begins to get out of proper physical condition, and that means decreased crop yields. Humus is decaying vegetable matter, and the only way to keep up the supply is to put materials on the soil that will decay. The leading materials for this purpose under Kansas conditions are straw, manure and green manure crops.

All straw should be returned to the soil promptly. To begin with, the crop should be cut as high as possible if the straw is not needed for farm animals, so that no more of it need be handled than necessary. What is run through the threshing machine should be spread back on the land if it is not intended to use it for the stock. If it is used for animals, the resulting manure can be promptly returned to the land.

Kansas is farther away from straw-stack burning than it used to be, but there are many stacks burned yet. This is the most common in the wheat belt, but some stacks are burned in almost all parts of the state.

"It ought to be made a crime in Kansas to burn straw stacks," said Professor L. E. Call, of the Kansas State Agricultural college. "The soil needs all the humus it can get, and when one burns straw he merely is destroying wealth that can be made available later if it is handled right. It is just about as bad to let a straw stack rot down as it is to burn it. Practically all the nitrogen and humus is wasted in both cases, and in addition the man who lets the stack rot down has put that spot in such a fertile condition that small grain crops frequently fall down, and thus are practically a total loss. Then, too, the rent on this land is lost while the straw is on it, and there is the added disadvantage of working around the stack in caring for the following crops. The proper thing is to spread the straw back on the land promptly if it is not to be used for feed or bedding for animals."

There is more than \$2.50 worth of nitrogen, potash and phosphorus in a ton of straw in addition to the beneficial effect of the material decaying in the soil, which is especially great on heavy land. This is based on the value of these plant foods in commercial form. The increasing use of commercial fertilizers is plenty of evidence that all the natural sources of fertility should be conserved. In central and western Kansas straw has considerable value in protecting the soil from blowing.

Wheat Supplies and Requirements

BY NAT C. MURRAY.

The requirements of wheat for food in the United States during the 1914-15 crop year are estimated at about 525 million bushels, and the requirements for seeding at approximately 77 million bushels, making a total for food and seeding of 602 million bushels. The preliminary estimate of production is 892 million. This allows 290 million surplus for exportation and feed for livestock. Usually only a small quantity is fed to livestock; last year, however, a large wheat crop coincident with a shortage of corn in several states caused considerable feeding of wheat, amounting probably to nearly 30 million bushels. A year ago the country price of wheat and corn averaged almost the same; now wheat averages more than 15 cents a bushel higher than corn. This difference would tend to check the use of wheat for feed. It would seem, therefore, that most of the 290 million bushels surplus might be available for exportation. The largest amount of wheat—including flour reduced to wheat equivalent—ever exported from the United States in one year is 235 million bushels in 1901. Last year 146 million bushels was exported.



The Flexible Movement of the Spade in Plowing

When you drive a spade into hard ground, you sort of "wiggle" it around between each push. It seems to go down easier—you remove the resistance of clinging soil.

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were used by the winners in the plowing matches at Big Rock, Wheatland and Grant Park, Ill., in 1914. In every contest the winner had to show the best work. Our plow was thoroughly tested—12 good farmer judges pronounced it superior to 21 entries of other plows made by 5 companies.

Janesville plows left the depth and width of the furrows uniform—buried all trash and stubble, broke up the ground thoroughly—left the surface smooth and clean.

Why not do your spring and fall plowing this year with the Janesville flexible S. & S. bottom? Save your team—why pull a plow bottom set solid in the frame? Get the spade movement into your plowing and sidestep hard work.

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and let us tell you more about this construction. Let us send you our book of photographs of good plowing that has taken prizes. Write today for literature on Janesville Plows, Harrows, Disk Cultivators and Corn Planters.

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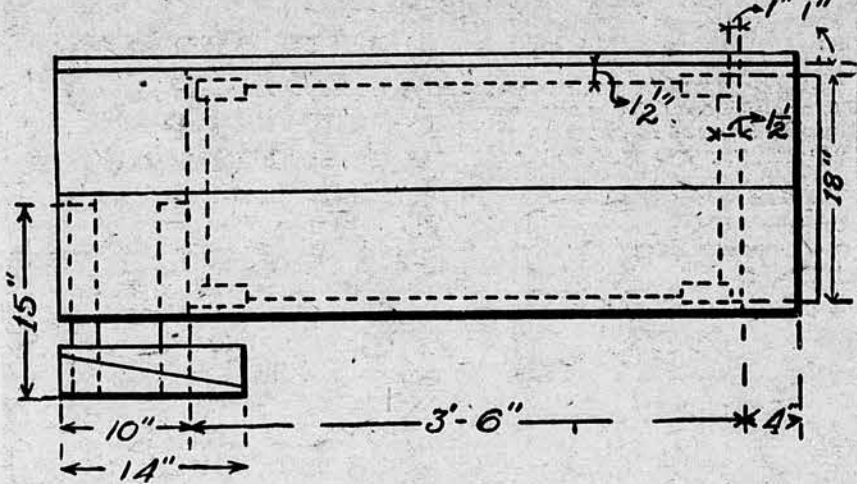
Make a Work Bench For \$1.75

These Directions Explain How You Can Do It

BY V. V. DETWILER

ONE of the things you need if you are to make things with tools, is a work bench. Some persons will tell you that an honest to goodness work-bench, with a vice and everything, will cost several dollars even if you make it yourself. They are mistaken. You can buy the material and make a full sized manual training bench at a cost

The side and end rails are to be notched so as to fit the legs firmly. This is shown in the top view of the drawing. The two boards for the top should be fitted closely so as to leave as small a crack as possible. Either nails or screws can be used to fasten the parts together. Screws will be a little better than nails. Whatever



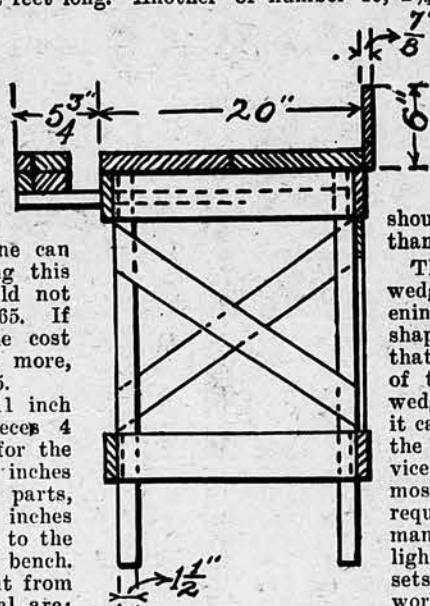
View of the Bench From the Top, Showing Construction of Vice and Notching of Side and End Rails.

of \$1.75. The figures are furnished by the extension department of the Kansas Agricultural college, and apply to a bench made from the working drawings shown here.

Four pieces of lumber are required to make this bench. One piece is 2 by 11 inches, and 12 feet long. Another is 2 by 4 inches by 16 feet long. The third piece is 2 by 4 inches, and 14 feet long. The fourth piece is 1 by 6 inches, by 12 feet long. This makes a total of 47 board feet of lumber. Yellow pine can be used for making this bench, and it should not cost more than \$1.65. If cypress is used the cost will be somewhat more, perhaps about \$2.35.

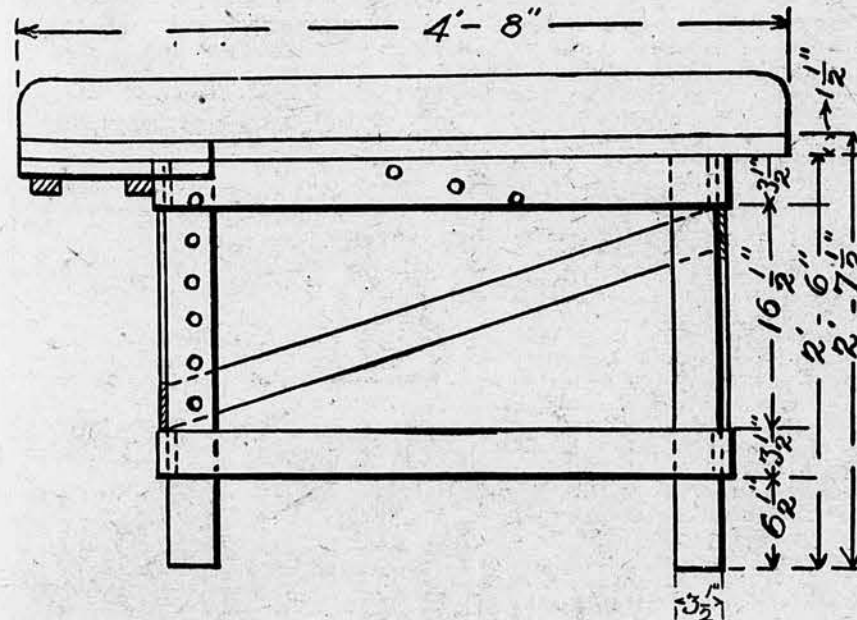
From the 2 by 11 inch plank cut two pieces 4 feet 8 inches long for the top, one piece 14 inches long for the vice parts, and one piece 18 inches long to be fastened to the under side of the bench. The pieces to be cut from the 2 by 4 material are: Four pieces 2 feet 6 inches long for the legs, four pieces 1 foot 6 inches long for the end rails, and four pieces 3 feet 6 inches long for the side rails. From the inch board take a 4 foot 8 inch piece for a top back-board. The remainder of this board should be ripped into 3 inch strips for braces and vice cleats.

is used on the top of the bench and vice, should be sunk below the surface, and the holes plugged with wood. This is done so that cutting tools will not be dulled by striking the metal. If nails are used, about 1 pound 8d and 1 pound 6d will be required. One gross of number 10, 2 1/4 inch flat head wood screws will be needed if screws are used. When using screws, always drill first with a gimlet bit so as to prevent splitting of the wood. The bit should be a little smaller than the screw.



The vice is simply a wedge. It is made by fastening the outer wedge-shaped piece to the strips that extend under one end of the bench. The inner wedge is movable so that it can be forced up against the work to be held. This vice is satisfactory for most of the work that is required of a vice on a manual training bench. A light tap with a hammer sets it snugly against the work, and a light tap from the other end releases it.

It is convenient to have a vice on the end of the bench, as well as one on the side. It costs little to add this to the plans given. This extra vice may be added later, if you do not wish to make it when the bench is being put together.



This Bench, When Put Together According to Directions, Does Not Give and Shake When a Plane is Pushed Across It.

Farm Names

BY W. E. BLACKBURN.

The name of the farm home—and every one should be named—should be pleasant to the ear, descriptive in some degree and if possible, carry a bit of pleasant sentiment. "Fairfields", "Pinehurst", "Hillcrest", "Broadacres", "Brookside", "Fairholm", "Oaklawn", "Greenvale", are a few that come within at least two of the conditions.

Used on stationery with perhaps a small half-tone of the place as it is seen from the main traveled road, it gives a distinctive tone and individuality that is well worth while in its effect upon one's correspondent, especially when the letter goes to a stranger. It follows necessarily that good paper should be used; and a typewriter is a modern farm equipment now that very good ones may be had for a few dollars, capable of giving years of satisfactory service under farm conditions.

The same general principles apply to the naming of farm stock. In addition it should be kept in mind that names should not be given work animals which in any marked degree sound like the words of command. "Joe" is too much like "whoa" for the ordinary horse to differentiate. "Bee" and "Gee", "Hetty" and "Getup", "Bob" and "Haw" are some of the combinations that puzzle even the willing work animal.

The value of the rising inflection is shown in the cheerful uplift it gives to

Can You Tell \$2.50 Worth?

City folks, who have had no experience with poultry, find it mighty hard to avoid making mistakes when they try to keep a small flock to help pay their living expenses. We wish to have letters from you folks who have had lots of experience with hens, telling how you would arrange things on a one-acre plot of ground to keep a flock of 100 hens. We are offering a cash prize of \$2.50 for the most helpful letter received before January 27.

ordinary conversation; it can be carried into the naming of the farm stock with good results; all kinds of farm animals are responsive to voice tones. In fact they express their own feelings quite well by the same means, as may be noted in working with and handling them. To the experienced farmer their cries of anger, fear, horror, hunger, loneliness, mating, maternal, filial, satisfaction, greeting, pride, defiance, challenge, exultation, are all readily understood and form a fairly comprehensive and expressive vocabulary. It is as Longfellow said of the infant, "crying in the night, with no language but a cry." But a cry can tell a whole lot.

Thus it seems best to avoid names that mean nothing or that mean something unpleasant. Then the habitual use of the names that sound pleasantly with the rising inflection brings a pleasure to the animal under normal conditions. A quiet, cheerful voice, a restful, firm touch, can do wonders with nervous beasts, many times coaxing them through trying places that might prove dangerous should the animal lose the influence of the firm hand and self-confident tone.

Frequent evidences of this may be seen in the handling of restive, high-strung horses, and in the handling of the half wild range cattle. The cowboy remedy for a stampede was to ride about the cattle or among them, singing slow, firm toned old-fashioned hymns that have been composed with a view of bringing peace and rest to stricken souls and worried nerves.

Where no records are kept of the birth of the farm animals, it will save many references to their teeth or horns if they are named on a chronological plan. Thus, all stock born in 1915 might have names beginning with "A," for 1916, "B"; the name places the age of the animal very conveniently. As the average age of farm animals is about seven years the series may be used again.

High words are only too frequently low ones.

If at first you can't agree, try, try, again.

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What About Future Food?

Europe's War Makes the American Farmers' Chance—How Many Are Getting Ready for the Demand?

IF EVER American farmers needed to study their business carefully that need is apparent now. The year just closed was a bad one for crops in Europe, says Ralph W. Moss, member of Congress from the fifth Indiana district, writing in the Indiana Farmer.

Before the war broke out, it was estimated that the continent would be short more than 300, million bushels of grain as compared with a normal yield. How great this shortage will be, now that men have been called from the fields, leaving the harvest to lie rotting under the sun, can only be conjectured. Truly, war and famine have come hand in hand. With grain prices based on peace conditions, last year we imported 2 million bushels of corn more than we exported. Under normal conditions, this year, we could not export a bushel of our corn crop—our domestic demands would absorb our entire supply.

The world faces famine conditions in Europe while we have but a scanty grain supply in the United States.

Short Meat Supply.

In meat products, the world is not more fortunate. It is well known that these European countries now at war do not grow a full domestic supply of meat even under their low standard of living. The soldier will consume more meat on the battlefield than he would have done in the shelter of his humble home. It is certain that breeding and milk herds will be seized for slaughter. A sustained war will so diminish brood stocks of animals that Europe cannot build up a normal supply of livestock in a generation. At the same moment, we have so depleted our supply of beef animals that we can barely feed our own people. In this connection, let us consider our census tables. In 1910, we had on American farms, 69,080,000 beef animals; in 1911, the number had fallen to 61,225,800; in 1912, to 57,959,000; in 1913, to 56,527,000. To confirm these figures, it may be said that the number of cattle received at the ten leading markets for the first six months of 1914 shows a reduction of nearly 8 per cent from the number received during the like period in 1913.

Higher Prices Certain.

We are entering a long period of high prices for farm products which no governmental investigation can prevent. The prices of these products must rise until they reach the limit of the ability of the purchaser to pay. We are entering for the first time in the history of our nation, a period when the necessities of life are to be measured out to men, not in proportion to their ability to consume, but in proportion to their ability to pay the prices which the hunger of the world will place upon an inadequate food supply.

Now, what is our duty as farmers? Manifestly, it is to exert every effort to drive our production to the maximum limit and hold it at that point until the world is well fed. We must shorten this period of semi-starvation to the lowest possible limit. This means larger activities from every active, progressive farmer. It is most fortunate that we farmers can promote our own individual fortunes and at the same time benefit mankind in the greatest degree. Large production from our farms means both of these results.

Use Your Credit.

To do this, our farmers must avail themselves liberally of credit. The European farmer developed his splendid agriculture by using money borrowed at low rates on liberal terms. This is the crying need of the hour and is the only way in which our farmers can rise to this great opportunity as well as great national duty. Fortunately our financial situation is absolutely sound. We will emerge from this crisis the leader of the world in finance. The new Federal Reserve Law gives us a flexible asset currency based upon the industry of our country. The power to rediscount prime paper can be made the basis to develop our new and better agriculture. There will be absolutely no excuse if any banker seeks to raise the rate of interest or declines to extend to any honest farmer ample credit. If they refuse to display this

patriotic and helpful spirit then we must organize co-operative banks and go direct to the government for our rediscount privileges. This golden hour of opportunity has been thrust upon the American farmers and it must be met in a broad business manner. I trust that our farmers will lead the nation in this imperative call to a better and more profitable agriculture.

Keep the Breeding Herds.

In this hour of temptation of high prices, let me urge you not to sacrifice your breeding herds or reduce them below the proper level. Remember that high prices are here to stay for years and not for days. It is time to enlarge your operations and we should not cripple our future income by selling useful breeding animals even to appease the desperate hunger of the hour. Do not hesitate to go moderately in debt if necessary to enlarge your activities. The next legislature must enact a model rural credits law; we can, however, with perfect safety go forward under our new Federal Reserve act. All legitimate demands of productive industry will be met and there is no possibility of a money panic such as we have been familiar with in the past. We met the shock of this world crisis without a single commercial failure, except among those engaged in speculative buying. The demand is here; prices are good and will grow better; financial conditions are sound; currency will be supplied in ample volume to meet every legitimate demand from industry. It is a time for every man to get busy for he is certain to receive an ample reward for his industry.

Gould Interested the Boys

One of the features of the state institute at Manhattan last week was Lee H. Gould, demonstration agent for southwestern Kansas, and his 15 boys. These boys were the prize winners in the kaffir contests held in that district. Their expenses on the trip to Manhattan were paid out of a fund for this purpose raised by Mr. Gould.

The boys visited the plant of the Farmers Mail and Breeze on their return last Saturday. They were much interested in the big presses and the other machinery used in the publication of the paper.

"This contest has done a great deal to increase the interest of the boys in farming," said Mr. Gould. "All of the prize winners and a great many of the boys who did not win prizes produced some mighty good yields, much above the average. More than this, the boys are going back home with the determination to beat their record next year."

The boys winning prizes at the state institute as a result of their yields in kaffir growing were: John Moser, Stevens county, first; Lee Burris, Hamilton county, second; Lester Alexander, Haskell county, third; Lloyd Craig, Kearney county, fourth; George Hink, Ford county, fifth. The above boys were the winners in the western district of Kansas, the east line of this district being the line between Harper and Sumner counties on the south and Jewell and Republic counties on the north. The highest bushel yield of kaffir was 36 bushels, grown by John Moser, Stevens county.

In addition to the above, in the party were the following winners of county prizes: Denzel Lowe, Finney county; Dewey Moser, Stevens county; Frank W. Rider, Grant county; Edward Bright-up, Stevens county; Everett Craig, Hamilton county; Raymond Dugger, Edwards county; John W. Ashcroft, jr., Comanche county; Claud Rider, Grant county; Roy Krueger, Gray county; Russell Fuller, Comanche county; and Joe Craft, Edwards county.

The fear of want is the beginning of evil.

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West Buffalo Is Organized

The Grange Has Done Much to Increase Profits, and to Improve the Social Conditions and the Farming Methods

CO-OPERATION is growing rapidly at Buffalo, Kan., among the Grange members. The West Buffalo Grange, No. 1586, was organized in May, and its membership has been rapidly increasing until it now includes more than 100 farmers. About 15 carloads of supplies, mostly shorts and flour, have been purchased in co-operation with other Granges in that section. H. A. Nichols of Buffalo is master of the West Buffalo Grange.

The Grange organization has done a great deal in the West Buffalo neighborhood to increase the community spirit. Meetings are held every week, which have become important "get-together" events in the life of the community. The meetings every other week are open to the general public, and anyone may attend. Almost everyone in that section belongs to the Grange, however.

For Better Selling Methods.

"I believe that the Grange has done a great deal for the advancement of the life of this community," said Mr. Nichols a few days ago. "It is of great advantage in the buying and selling of products. Our main effort this year will be in the selling of corn to other Granges. We do not produce a great deal of grain for sale here, as this fortunately is a livestock community, but a few cars are available. But even more important than the increased returns to the farmers of this community which this Grange has made possible are the benefits in the development of the community life.

"Perhaps the most important thing in the building up of a country community is to make the life there attractive. Our country young men here have good financial opportunities, and in general they are willing to stay with the farms if they can see that the life there is as attractive as life in the city. The Grange, by providing a way in which all of the members of the community can get together, is doing much for the social end of life here—for the development of the brighter side of country life."

One of the important events in the social life of the Grange was the picnic, last fall, in Lauber's grove, in connection with the members from the Granges from Center Ridge, Rose and New York Valley. The Buffalo band provided the music. Alfred Docking of Manhattan was

one of the leading speakers. This meeting did much for the advancement of a spirit of fellowship and common interest among the members of the four community Granges.

Prices Are Lower.

From the material side of the work of the Grange, the main saving in the buying of farm supplies has been with shorts and flour. These essentials have made up the larger part of the purchases of the community. An average saving of 20 cents a hundred above the prices charged by the local dealers has been made, and in some cases it has been more than this. Considerable progress has been made with the Grange fire and storm insurance, too, but of course this will be greatly increased in the future, as the old-line insurance on the farm buildings of the community expires. The rate for the Grange insurance is very materially lower than the old-line rates, due largely to the lower fees paid to the local representative.

"The organization of the farmers of this community has come as a result of a logical growth," said Mr. Nichols. "Every other industry except farming is efficiently organized, and if farming is to make the progress it must make if it is to hold the young men of the community it must be organized, too. By eliminating waste in buying and selling we can greatly increase the returns in farming. Increased profits will do much to build up the community.

"Farmers in this community, as a class, object to the top-heavy system of distribution which we have today. It is costing too much to sell farm products through the general trade—it is costing far more than is necessary. By selling our products co-operatively, largely to other Granges, we can eliminate all these deadhead freights and commissions which have been such a tax on the farming business. In other words, the co-operation which the farmers of this community are using is just a development of the ideas of efficiency which men in other lines have used so well. We need increased returns in farming."

The organizing of the Grange perhaps was the best thing that ever happened in the West Buffalo community. It is doing much to increase profits, to better the social conditions and to aid in developing profitable farming.

The Right of the Insured

A subscriber complained, a few days ago, that certain insurance companies did not treat policy holders fairly and that no one in the town, including the agent for the company, seemed able to tell the insured precisely what were his rights. The letter was referred to Ike S. Lewis, state superintendent of insurance. His reply is printed here because of its general interest:

The standard form of fire policy used by all stock fire companies transacting business in this state provides that the company may cancel such policy at any time by giving the insured five days' notice and returning the actual unearned premium. The insured has the right to cancel the policy at any time by requesting such cancellation, and the company shall then retain the customary short rate which is a different percentage of the premium in accordance with the length of the term for which such policy is written. All local agents are supplied with this table and should be able to tell the insured the exact amount that would be refunded to him in case he should ask for cancellation on his policy at any time.

In case of a total loss of buildings the company is liable for the amount written in the policy and there should be no trouble in adjusting a loss of this kind. If it is only a loss in part and the adjuster and assured fail to agree on the actual amount of damage, the policy provides that the insured shall select an appraiser, the company shall select an appraiser and the two shall select an umpire in case they are unable to agree, and such appraiser shall then estimate and appraise the loss, and such appraisal shall be the amount for which the company shall be liable.

In case of a loss to contents, the insured is required to supply a list of the articles lost and the company shall be liable for such loss up to the amount written in the policy.

Will Feature New Breeds

Exhibits of breeds of horses, cattle, and sheep that are little known in this country will be features of the livestock exhibit at the Panama-Pacific International Exposition. The most interesting of these, perhaps, will be the classes for Karakule sheep. Animals of this breed are used for the production of fur as well as for the production of mutton. There are several small flocks of the breed in this country and entries have been made from these. The Karakule is the only source of astrachan fur and consequently commands a high price.

The woman question is not going to be settled until it is settled right. And that will be when the woman shall stand beside the man a full equal in every respect before the law, a fully recognized citizen, a human soul entitled to every privilege incident to a personality.

The Fat-tailed Persian sheep is another breed that will be on exhibition.

Wild white cattle from Chillingham Park in England probably will be shown. This breed has been maintained in the Chillingham Park without infusion of new blood for centuries. Many of our present breeds originated from this wild white type.

Breton and Boulonnais horses will be brought to the exposition from Brittany and Boulogne in France. Only a few importations of these draft breeds have been brought to this country, consequently they are not widely distributed here.

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Chatham Grain Grader and Cleaner, with 1915 equipment, handles practically every grain and clean seed grown on American farms.

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Removes Wild Oats, Chaff, Cockle, Wild Buckwheat, etc., from ALL kinds of wheat. Grades all varieties; excels hand picking.

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Removes mustard, kale, wild peas, quack grass, cockle and other ordinary weeds. Blasts straw joints, chaff, thistle buds. Separates timothy, wheat, vetch. Grades out twin oats, pin oats, hull-oats. Makes perfect grade for drill.

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Brewers and seed grade free of Wild Oats and Mustard or any other weed.

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Cleans, grades and removes splits and defectives from 15 varieties, including cow peas.

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Blasts cobs, chaff, silks. Removes broken grains, shoe pegs, tips, butts and unweave kernels; grades flat, even grains for 95% perfect crop.

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Removes buckhorn and 25 other weeds without waste.

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Removes plantain, pepper grass and 25 other weeds. Saves volunteer timothy from oats and wheat.

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Removes dodder and foxtail; heads, stems, fibers, wild oats, mustard, barnyard grass, false flax, broken wheat. Blasts out shrunken, frozen or droughted seed.

Backed by my Free Service Dept. (extra service and service free) I guarantee you can do all these things.

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Just send a postal or letter for this new book, "Feeding Hogs for Profit." We'll send it free. Written by Prof. John M. Eppard of the Iowa Experiment Station. Quotes proper rations. Tells how to grow healthy hogs—how to mature them quickly. **10c Book Sent Free to introduce**

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You can get a Homestead of 160 acres FREE and Other lands can be bought at remarkably low prices. Think of the money you can make with wheat at its present high prices, where for some time it is liable to continue. During many years Canadian wheat fields have averaged 20 bushels to the acre—many yields as high as 45 bushels to the acre. Wonderful crops also of Oats, Barley and Flax.

Mixed farming is fully as profitable an industry as grain raising. The excellent grasses full of nutrition are the only food required either for beef or dairy purposes. Good schools, markets convenient, climate excellent.

Military service is not compulsory in Canada, but there is an extra demand for farm labor to replace the many young men who have volunteered for the war. The Government this year is urging farmers to put extra acreage into grain. Write for literature and particulars as to reduced railway rates to Superintendent Immigration, Ottawa, Canada, or

GEO. A. COOK
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Green Salt Cured Hides, No. 1, 18¢; No. 2, 17¢.
Horse Hides (as to size), No. 1, \$3.50 to \$5; No. 2, \$2.50 to \$4.
Write for prices and shipping tags. Payments made promptly.

HIDES AND FURS

We will pay you the highest market prices on your hides and furs. We build our business by giving every man a square deal—charge no commission, send check same day shipment is received. We treat you right. Write for full list and tags. Prices are extra good on salt cured hides and horse hides just now.

Salt Cured Hides, 17½¢ (flat). Horse Hides, \$3.50 to \$4.50.

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St. Joe, Mo. Wichita, Kan. Joplin, Mo. Grand Island, Neb.

Working the Easiest Way

Strength and Vitality Are Conserved When Head Saves Heels

BY MRS. W. H. SHORT

I HAVE five little folks, the oldest 8 years old. My husband could not help me much, so it seemed I must have a girl. I tried both old and young, but none filled the bill. At last I tried another plan. All the little folks at our house are now ready to get up when we do. The oldest boy dresses himself and the one next to the baby. I prepare breakfast and dress the baby while the other two are dressing themselves. I always cook things for breakfast that require little preparation and are quickly cooked.



Ready to Help Mother.

For a birthday present my husband gave me a fireless cooker. I find that by placing the disks on the stove as soon as the fire is built I can fix my meat with gravy and dumplings, potatoes, or whatever I like when breakfast is over and put it in one well of the fireless, while I have vegetables in the other. When this is done dinner is ready; it requires no more work to prepare, and needs no watching or keeping up the fire.

After this start for dinner I go ahead with the usual morning work until time to put dinner on the table. I have an oil stove on which to heat dishwater, make the drink, and I do my ironing with it. All this saves running to the kitchen to fix up the fires or build them.

I find it a great help to keep a good supply of groceries in the pantry so the meal may be planned at a glance. It takes more time than one would think to hunt around for something if the supply is low. I always keep bread on hand, boiled meats, fruit, and baked things. These I prepare on the regular baking days.

I never mix my work, and try to do some of each kind every day. I take one day for washing and keeping up the general work; another for ironing; another for an all-round sweeping, dusting, scrubbing; another for baking and bathing; and the other days for going to town, mending, and irregular work.

If one can have water in the house, with a good sink to carry off the waste, it will save a lot of time drawing water and running to the door to empty it. It will also save letting in the flies, to be chased out when the rush of work is over.

Fruit canned by placing it in the jars and putting on the range in the tub or boiler makes much less work, as so much can be canned at once, and it requires no stirring or watching.

The evening before washday I have a large tub brought into the house and filled to the ring with water. The hot water from the reservoir is put in. A bar of soap is melted in a pan, taken to a room away from the fire and a cup of gasoline stirred in, then this mixture is put into the tub of water. The clothes are sorted, those for the first boiling placed in the tub on one side and the remainder of white ones on the other. The tub is then covered to keep warm.

In the morning after the rush is over the clothes may be wrung from the tub, placed on the stove in a boiler of slightly warm water (which has been broken if hard) with a half bar of soap and some good powder added. The clothes are boiled as usual and set aside until after dinner, then rinsed, blued, and put out to dry. They require very little rubbing. The house is kept tidy and the washing is done without any excitement.

I always keep plenty of clothing made up so I have to wash and iron only on the one day. If I get behind I get, not a dressmaker, but an experienced woman to sew by the day, as it is so much cheaper. I let her make a year's supply, which she can do in only a few days with nothing but sewing to do. The work on dresses, waists, rompers, and aprons, is much better done and it is much cheaper than buying ready-made clothing.

This is my plan, and I like it so well I believe a girl would have to be willing to work for her board to stay with me.

A Cold Remedy

When I was a boy the season of colds was always a season of real enjoyment to my mother, it seemed to me, because of the coddling as well as the prescribing and administering of nauseous doses which seemed to satisfy her mothering instinct as nothing else than the care of an infant would do. It is pretty hard to coddle a stout, active boy in copper-toed boots, gray jeans and roundabouts, with a big muffler—comforter we called it—snug mittens, wristlets, and a cap with rabbit fur-lined ear lugs, tense with healthy impatience to get through with or avoid the chores and get out skating or sliding.

Then came, in later life, a siege of proprietary cold remedies for internal application, largely consisting of pleasant sirups, laxative in their nature and perhaps slightly sedative in action. We lived through the onion sirups, and our children survived the patented mixtures.

Now that our grandchildren are coming on and there is a general knowledge of the baleful bacteria, they receive a different treatment. Knowing that colds result from the activity of specific bacteria which find entrance through the nose and mouth to the mucous membranes in which they thrive, the new remedy concentrates its efforts upon repelling or destroying these invaders.

When the watering eye, the sore and inflamed nose and the headache between the eyes announce the activity of the hated bacteria a bit of carbolated petrolatum (vaseline) the size of a grain of corn is put on the tip of the little finger and inserted in the nostril, the finger withdrawn with a twisting motion that leaves its burden placed well up in the nose. A similar dose for the other nostril and the work is begun. This is done just before going to bed; then, lying flat on the back with the face upturned a little, the vaseline melts and in five or ten minutes spreads into the cavities of the nose and upper throat. One or two applications usually cures, although stubborn cases may require more. The vaseline is merely a convenient vehicle for carrying and spreading the carbolic acid, which is an excellent germ destroyer.

W. E. Blackburn.

Things To Do With Cornmeal

Sometimes it happens that the most familiar things are the most valuable, but we lose sight of that fact through close association. This would seem to be the case with cornmeal. Now, suppose we get better acquainted with it. The peculiar consistency of cornmeal, which is a disadvantage under some circumstances, is an advantage in making griddle cakes or waffles, for it renders them very tender. Among the recipes recommended by a new bulletin on the "Use of Cornmeal as a Food," sent out by the United States Department of Agriculture, are the following:

Cornmeal Pancakes.

Two cups flour, ½ cup cornmeal, 1½ tablespoons baking powder, 1½ teaspoons salt, ½ cup sugar, 1½ cups boiling water, 1¼ cups milk, 1 egg. Add meal to boiling water and boil 5 minutes; turn into bowl, add milk and remaining dry ingredients mixed and sifted, then the egg well beaten, and butter. Cook on a greased griddle.

Cornmeal and Wheat Waffles.

One and one-half cups water, ½ cup white cornmeal, 1½ cups milk, 3 cups flour, 3 tablespoons sugar, 1¼ tablespoons baking powder, 1½ teaspoons salt, yolks of 2 eggs, whites 2 eggs, 2 tablespoons melted butter. Cook the meal in boiling water 20 minutes; add milk, dry ingredients mixed and sifted, yolks of eggs well beaten, butter and whites of eggs beaten stiff. Cook on a greased waffle iron.

Scrapple.

Take 1 pound lean pork, part meat and part bone; 1 cup cornmeal, 1 teaspoon salt, ½ teaspoon powdered sage. Cook the pork in water until the meat can easily be removed from the bone. Remove the meat, cool the broth and remove the fat. Reduce the broth to about a quart, or add water enough to bring it up to this amount, and cook the cornmeal in it. Add the meat finely chopped, and the seasonings. Pack in granite bread tins, and when cool cut in slices and fry. Beef may be used the same way. This is a good use to make of a pig's head, in which case use 2 cups cornmeal and 2 quarts water. In cool weather this will last for several days.

Indian Pudding.

Five cups milk, ½ cup cornmeal, ½ cup molasses, 1 teaspoon salt, 1 teaspoon ginger. Cook milk and meal in a double boiler 20 minutes; add molasses, salt and ginger; pour into buttered pudding dish and bake 2 hours in slow oven; serve with cream.

Cornmeal and Fig Pudding.

One cup cornmeal, 1 cup molasses, 6 cups milk (or 4 of milk and 2 of cream), 1 cup finely chopped figs, 2 eggs, 1 teaspoon salt. Cook the cornmeal with 4 cups of the milk, add the figs and salt. When the mixture is cool, add the eggs well beaten. Pour into a buttered pudding dish and bake in a moderate oven for 3 hours or more. When partly cooked add the remainder of the milk without stirring the pudding.

Cornmeal Doughnuts.

Three-fourths cup milk, 1½ cups very fine white cornmeal, 1¼ cups wheat flour, ¼ cup butter, ¾ cup sugar, 2 eggs well beaten, 1 teaspoon cinnamon, 2 teaspoons baking powder, 1 level teaspoon salt. Put milk and meal into a double boiler and heat together for about 10 minutes. Add the butter and sugar to the meal. Sift together the wheat flour, baking powder, cinnamon and salt. Add these and the eggs to the meal. Roll out on a well-floured board; cut into the desired shapes; fry in deep fat; drain, and roll in powdered sugar.

Buckwheat Griddle Cakes

[Prize Recipe.]

He had never said anything like it before, but the first time she tried the recipe in her precious "Boston Cook Book" for buckwheat griddle cakes the young husband remarked, "These cakes are very good, Mary, but I think the ones my mother used to make were a little better." Thereupon Mary, like a sensible young woman, sat down, not to cry, but to write to her mother-in-law in Rhode Island for directions for making those superior cakes. She has used the recipe for 20 years, and if the batter is baked on a hissing hot griddle, well greased with butter or lard, the cakes are a rich brown, tender and delicious: One and one-half cups buckwheat, ½ cup flour, 1 tablespoon cornmeal, pinch of salt, ¼ of a yeast cake or 2-3 of a cup of yeast. Mix with warm water and put in a warm place over night. In the morning add 1 level teaspoonful soda dissolved in a little warm water and 1 tablespoonful of molasses. If there is any of the batter left, save it to mix with next time instead of yeast.—Louise Prince Freeman.

KANSAS MAKES GOOD!

The 1914 wheat crop, which was estimated at 130 million bushels, has actually threshed out 180 million bushels! There's nothing the matter with Kansas—rich to-day in productive wealth and paying her farmers handsome dividends year after year. Two years ago a new line of the Santa Fe opened up five new counties in southwestern Kansas. There you can raise beef cattle and hogs—a profitable business and sure returns. Grow some wheat, corn, oats, barley, vegetables, if you like; but you can make greater profits from kafir, milo, feterita, and other fodder crops, making ensilage equal to Indian corn and turned into money through fattening cattle. You need very little ready money for the contract we offer. Write to-day for details.

E. T. Carlidge
Santa Fe Land Improvement Co.
1826 Santa Fe Bldg., Topeka, Kan.

MAKE GOOD IN KANSAS



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My New No. 8 Low-Down Manure Spreader used now means bigger crops next year. You know this yourself. Manure spreading time is all the time. This new No. 8 Low-Down Manure Spreader is Galloway's greatest spreader. Positively the best spreader made for the least money. Double chain drive, endless apron, force feed, front wheels cut under load; gets into any barnyard corner; close hitch; lightest draft of any low-down machine. Capacity 50-70 bushels. All steel gear, complete with double-trees and rockers. Flexible axle; high speed beater pulverizes finely any barnyard material. Steel wheels; gears coupled with channel steel, braced like a steel bridge. Six rests on rear truck, 4 inches high. Superior in every respect to new tangled frame of heavy draft that eat you up for repairs. Many you and hill horses. Please find draft for spreader received October 5th. Assure you I am more than pleased with same. It has proven all you claim and more. By buying of you, company, I saved \$21.50 and got just what I was looking after.

My Book "A Streak of Gold" FREE tells all about handling manure to get the greatest profit. Do not buy a spreader of any make at any price until you have dropped a postal asking for this great book worth \$1.00 costs you nothing and you get it free. SPREADER CATALOG that tells the truth about the spreader business. Mailed free. Get RIGHT on this spreader proposition before you buy.

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Wm. Galloway Co.
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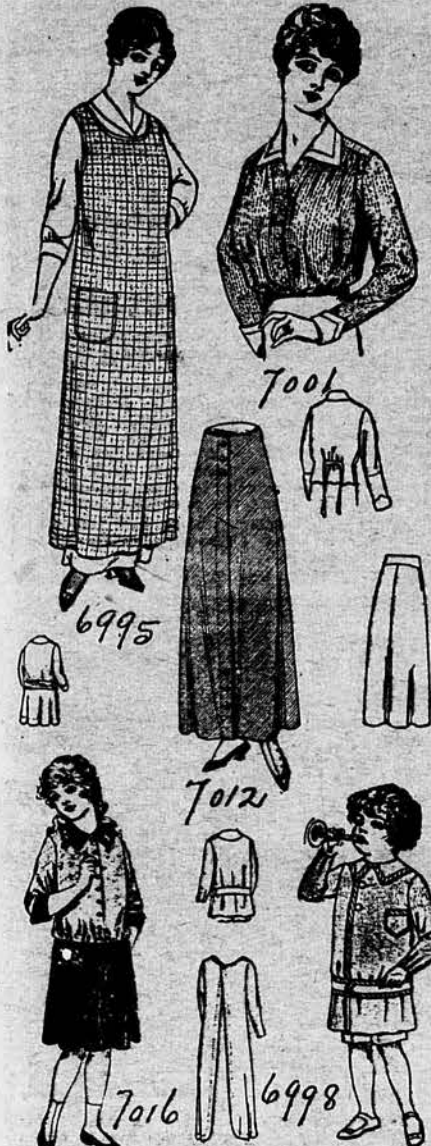
working in spare time or full time for the greatest "reduce-the-cost-of-living-movement" of the age. Farmers, Business Men, Salesmen, Laborers, County and Club Organizers, both men and ladies, in every community can find profitable and permanent employment as workers in this movement, or they can save many dollars on what they wear, eat or use, through our wonderful co-operative Buying and Selling Organization. Write to-day—state your preference—state whether you want to save more money, or make more money, and let me send you my complete personal proposition without any obligation to you.

T. F. BANKER, Secretary,
19th & Campbell St., Kansas City, Mo.

If a business can be run without large wastes and graft, why not run the state in the same way?

HOME DRESSMAKING

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



The pattern for ladies' apron 6995 is cut in sizes 36, 40 and 44 inches bust measure.

Ladies' shirtwaist No. 7001 may have either long or short sleeves. The pattern is cut in six sizes, 34 to 44 inches bust measure.

A two-piece skirt having high or regulation waist line is shown in 7012. The pattern is in six sizes, 22 to 32 inches waist measure.

As illustrated the girls' dress 7016 is made with waist of serge and skirt of velvet. The pattern is cut for girls 6 to 14 years.

The boys' Russian suit 6998 may be made with either straight of bloomer trousers. It is cut in three sizes, 2, 4 and 6 years.

USE THIS COUPON FOR PATTERN ORDERS.

The Farmers Mail and Breeze, Pattern Department, Topeka, Kan.

Dear Sir—Enclosed find cents, for which send me the following patterns:

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

Name

Postoffice

State

R. F. D. or St. No.

BE SURE TO GIVE NUMBER AND SIZE.

Cold Weather Bread Making

[Prize Letter.]

This is the way I make my bread during the cold weather: Soak 1 cake of yeast foam or any dry yeast by putting into a cup with 1 teaspoon sugar and 1/4 cup warm water. Let soak until very soft and foamy. In the evening when boiling potatoes for supper save the potato water; mash a medium sized potato fine and add 2 tablespoons sugar, you have saved; add 1 1/2 quarts of warm water and also the soaked yeast cake. Cover well and let stand until morning, when the water will have a foam on top. Set the dish on the back of the

Put this in a large dish with the water range until the water feels a little warm, then add 1 pint of hot sweet milk (or water), pouring in slowly and stirring constantly. Add 1 tablespoon sugar and enough flour to make a thin batter, about 1 1/2 quarts. It will rise in a very short time and be ready to knead down to a stiff dough. When you are ready to knead add salt to suit taste. Let rise, and knead again, using a little grease. Let rise again, and make into six small loaves, let rise about half their size and bake in a moderate oven 1 hour. You will have bread from which you can give a slice to a neighbor with pride.

Clifton, Kan.

A Sick Stomach Made Well

[Prize Letter.]

Having been benefited many times through the columns of the Farmers Mail and Breeze I feel that I owe it to its readers to tell them the good remedy I have found for indigestion, sore stomach, and all the ills that go with it. I had suffered for years and was not able to get the nourishment out of any food, notwithstanding all the medicine doctors gave me, all of which caused griping in stomach and bowels. A friend told me to take an 8-grain capsule of castor oil before each meal. As I was drinking a pint of hot salted water before breakfast I took only 1/4 teaspoon of oil and the water at once as hot as I could sip comfortably. The first day or two I took it several times for any ill feeling I had. In 24 hours my stomach seemed well and I could eat all the onions, pickled beets and oranges I wanted, and they were things I had not dared to eat before. That was a month ago and I am still well and eat pastry or anything. Once in a while I found it necessary to take a teaspoon of epsom salts, but the doctor told me to increase the oil to a laxative effect and take it half an hour before eating. I take it only in the morning now.

Mrs. J. B.

Arlington, Kan.

Our Own

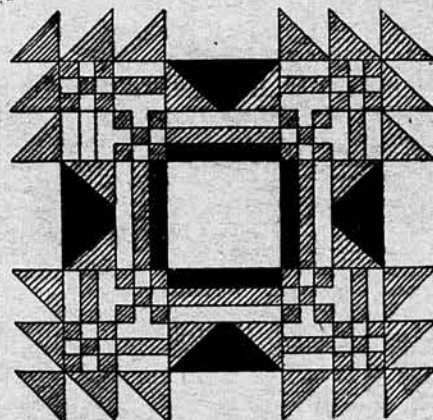
If I had known in the morning,
 How wearily all the day
 The words unkind
 Would trouble my mind
 I said when you went away,
 I had been more careful, darling,
 Nor given you needless pain;
 But we vex "our own"
 With look and tone,
 We might never take back again.

For though in the quiet evening
 You may give me the kiss of peace,
 Yet it might be
 That never for me
 The pain of the heart should cease.
 How many go forth in the morning
 That never come home at night!
 And hearts have broken
 For harsh words spoken,
 That sorrow can ne'er set right.

We have careful thoughts for the stranger,
 And smiles for the sometime guest,
 But oft for "our own"
 The bitter tone,
 Though we love "our own" the best.
 Ah, lips with the curve impatient.
 Ah, brow with that look of scorn!
 'Twere a cruel fate,
 Were the night too late
 To undo the work of the morn.
 —Margaret E. Sangster.

"State Of Nebraska" Quilt

This quilt block is sent in by Mabel Hatch of Gridley, Kan. Only three colors are used in the entire quilt, red, white and blue. The darkest part in the illustration represents the blue, the shaded part the red. The block is 22 inches



Three Colors Are Used.

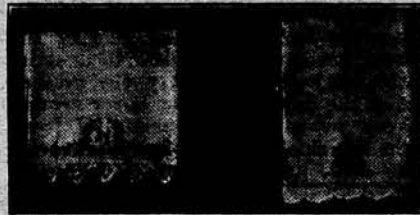
square when finished; each of the side sections is 8 inches, the center section 6 inches across. The blocks are set together with strips of blue 6 inches wide, and there is a border all around 4 inches wide. Nine of the blocks make a large quilt.

College Girls Learn to Knit

When some of the chronic weepers in Kansas are wailing over the departed virtues of the old fashioned woman, they should have a chance to step into a certain class room at the Kansas Agricultural college. In this room girls are taught every year, to do fine needlework, not on the sewing machine but by hand just as their grandmothers did. What's more, they are taught to knit just as their grandmothers did. It isn't in accordance with popular ideas of college training to see 25 or 30 young women seated about tables knitting.

"And did the girls really like to knit?" asked a visitor of one of the teachers who was explaining the exhibit of hand work.

"Indeed they did. Knitting and crocheting came first in the course, and it



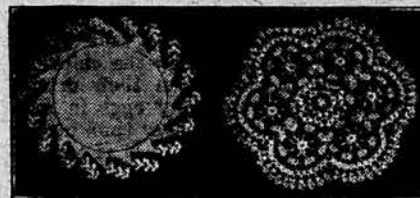
Towels Made in the Art Needlework Class, K. S. A. C.

was with some difficulty the students were persuaded to leave this part of the work for something different," she replied.

At various times through the year if you chance to visit the room which is used for displaying the sewing done at the college you may see a fine collection of towels, fancy bags, underwear, bureau scarfs, luncheon cloths, doilies, collars, pillow slips, and dozens of other beautiful articles which have been made by Kansas girls, many of them farmers' daughters.

Girls who already know how to crochet, tat, embroider, and knit are advised not to take the work.

"I told the girls that those who knew how to do fancy work already would



Effective Doilies in Crochet.

be wasting time," said Mrs. Bessie Bird-sall, head of the domestic art department. "Doing fancy work is just like eating candy. It's rather a luxury."

In a recent exhibit, a display of model clothing for babies was shown. There were embroidered sacques, soft, simple little dresses of nainsook, and slips of cotton and flannel opening on the shoulder. Every stitch had been made by hand. Lectures on clothing for babies had been given and the information was put into practical use.

Rule For Hot Tamales

[Answer to Query.]

Boil about 2 pounds of rib or flank beef and 1/2 pound of suet in a little water until tender, then grind it as fine as possible, using 3 tablespoons of chili mixture and salt to suit taste. Scald about 1 pound of cornmeal with the broth of meat just cooked. Have your corn husks soaking in hot water until perfectly clean and soft. Spread a thin layer of meal over the inside of husk, then a small roll of meat the size of lead pencil or a little larger over the center of meal paste. Roll up carefully. Fold the end of husk, place in a steamer (not in water), cover with a heavy cloth and cook by steam until the meal is done.

Mrs. J. A. Burke.

Onaga, Kan.

Makes the Saw Pull Easier

When cutting hedge trees for posts, if your saw gums up with that milky juice found in the Osage orange, wash it off with water. The washing will have to be repeated every time the saw gets to pulling too heavy. This takes a little time but you are well repaid for your trouble.

Chauncey Shupp, Cass County, Nebraska.



Touring Car \$1085 Roadster



The Right Car For Folks

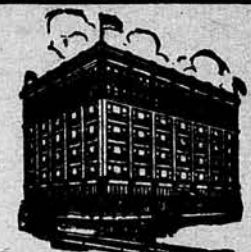
Plenty of room in the NEW REGAL for five full grown persons—Rides easy, too, over rough roads—climbs bad hills—great in mud or sand—controls well, giving a wide range of speeds down to three miles an hour without shifting gears.

"Best By Test"

say REGAL users—they KNOW. Best for men-folks with its power and enduring qualities. Best for women-folks with its easy control, comfort, easy riding, beautiful finish, complete appointments. Best for everybody because it costs less to run and makes the "round trip" every time. THE THING THAT USERS LIKE is what Agents and Dealers find it pays to sell. To men of financial responsibility and sales ability who could handle a local REGAL agency the REGAL proposition is liberal. It is worth investigating. Some good territory is open.

Regal Motor Car Co.

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Our January White Sale

is now in full progress—by far the greatest offering of white goods and white garments of all kinds that this store has ever made.

We want our mall order customers to share the wonderful values, and will use the utmost care in filling all orders. If you did not receive a copy of the Topeka Daily Capital containing the 2-page White Sale advertisement, please let us know and we will mail you copy at once. It is full of descriptions from which you can order intelligently.

We pay parcel post on all orders.

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Shetland Pony FREE

Also buggy, harness, bridle and saddle. Many other prizes for girls, boys and women—bicycles, cameras, watches, tool chests, gold rings, bracelets, pocketknives, etc. Full information and big premium list free. Write me Today.

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Hens That Lay Are Well Fed

Get Lots of Eggs While the Selling Is Good

O. M. HOLCOMB
Dewey, Okla.

IN THE morning I feed my chickens kafir or wheat in straw and they get warmed up while working for it. At noon they have a warm mash of cooked parings and table scraps and into this mixture I put a double handful of oats, a double handful of alfalfa meal, a glassful of dried beef scraps, a glassful of cracked bone and enough bran to make it quite dry. Our 32 chickens will eat from one-half to three-fourths of a 10-quart pail full of this mixture and they lay too. We are getting from 18 to 28 eggs a day and some of the hens are 4 years old. At evening I give a full feed of shelled corn. The chickens have plenty of grit and water all the time.

My poultry house is 14 by 16 feet. About half of it is used for roosting room. I also have a scratching shed 14 by 40 feet, the south side being

cabbage leaves. I do not feed anything that is very hot. At night I give them a feed of corn, or corn and wheat mixed. I refill the water pan as often as needed and also feed what table scraps and milk I have. I save everything a chicken will eat or drink and this method gives me eggs. Mrs. L. M. Russell.

Don't Let the Hens Shiver

Chickens should not be allowed to stand around and shiver on cold winter days. To keep them busy I scatter hay on the floor of the hen house and put the feed in the hay so they will have to scratch for it. On one side of the house I have ashes for them to dust in. In this way they are busy the greater part of the day and do not hover around to keep warm. I keep plenty of fresh air in the chicken house but I never let

Tell Others How to Make Poultry Pay

HAVE YOU written that poultry letter to the Farmers Mail and Breeze? Remember that three excellent books on poultry subjects are to be given for the three best letters received in Topeka not later than January 27. Robert Joos's new book, "Success With Hens," is the first prize. The second and third prizes are, "Practical Poultry Keeping," by R. B. Sando, and "Progressive Poultry Culture," by Arthur A. Brigham. Don't think that you need to be an accomplished writer to win one of these prizes, it is facts that we are looking for.

Letters about turkeys and ducks will be welcome. If you have been making a profit from pigeons there are lots of persons who will be glad to know how you did it. Perhaps you have figures, of which you are proud, on the egg production of your flock of hens. Send them along. In this special poultry number everyone will admit how successful he is with poultry, so you don't need to feel that it is bragging to tell the facts.

glass. I do not like a canvas curtain because the wind blows so much here that a curtain should be nailed down. We do not have mites. The roosts are level and one end is fastened so I can raise them while cleaning the house. After I have cleaned out the droppings I twist a newspaper and light it and go over the roosts with the flame. I then paint them with crude oil. Mites cannot stand fire and crude oil. I treat the roosts in this way every time I clean out the house. I often remove the nests and burn all the old hay in them, and then throw the boxes in the fire and let them get hot. This kills all mites or nits in the box.

Caring For Hens in Winter

I started with 11 hens and one rooster of mixed breed, 21 years ago. The next year I had 30 hens and since then I have never known the exact number. I now have two flocks, one of Buff Orpingtons and one a mixed flock. Much is written about how much better pure-breds lay than mongrels. I believe a hen from a good healthy stock of mixed breeds, given the same care and feed, is quite as likely to be a layer as the purebred, excepting, of course, such breeds as Leghorns. A purebred flock looks much nicer and one takes more pleasure in raising them.

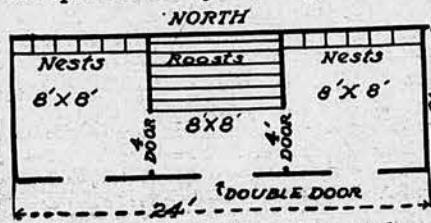
My hen houses face the south. They are not the open front style but they have a large door which swings outward and also a slat door which swings inward or slides back. I close the slat door every night but the outer door is closed only in extremely severe weather or during storms. The roosts are placed high, with sloping dropping boards underneath. The hens like to go up high to roost and I have less trouble with varmints when the roosts are up high. I always place a board sloping down from the dropping boards to a support about a foot from the floor for the hens to walk up on.

I do not purchase high-priced foods but use what can be obtained on the farm. As soon as it is light I scatter wheat in the straw under the dropping boards and place a pan of slightly warmed water in the hen house. Then when the sun is well up I open the slat door and let the chickens out if the weather is not bad or the ground is not covered with snow. At noon I give them a kettle full of scalded oats, alfalfa leaves, potato and apple parings, and

the draft strike the chickens. I parch corn to a golden brown and grind it up and feed it while it is warm. I also cook all the potato peelings and scraps from the table and feed to the chickens while warm. I also warm their drinking water. I get as many eggs in real cold weather as at any other time in the year. Mrs. L. N. Lewis.

Exercise the Laying Hens

I have a poultry house that has proved very satisfactory. It is 8 feet wide and 24 feet long. The building is divided into three 8 by 8 foot rooms. Two of these are nest and scratching rooms, and the center one is the roosting room. The roosting room is connected with each of the nest rooms by a 4 foot door. These doors swing into the nest rooms, or back against the roosts. When these doors are opened the 4 by 8 foot space in front



Give the hens a chance to scratch.

of the roosts, and both of the nest rooms are made into one big scratching room. The building fronts the south. The double doors in the front of the house have window sashes in the upper half. In addition to this the building has four full-sized windows, one in the west, one in the east, and two in the south. I could never be satisfied with a building that did not have an abundance of sunlight and fresh air. I like this house better than any other I ever have seen. Sharon, Kan. A. M. Cox.

Hatches Every Chick

Poultry raisers ought to follow the simple and easy Buckeye system which positively hatches every hatchable egg. How to make \$200 a season with one incubator that costs \$7.50 is fully explained in a most interesting book which will be sent absolutely free to any reader who mentions this paper. Every one should write today for this valuable free book to

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INDIAN RUNNER DUCK CULTURE
Finest illustrated duck book published. Tells how to hatch and care for greatest egg producing fowl on earth. How to get a start. Quotes low prices on stock and eggs of finest strains. Sent for 5 cents postage. Address **BERRY'S FARM, BOX 159 CLARINDA, IOWA.**

148 Chicks From 150 Eggs

I surely praise the Sure Hatch incubators. I have a 150 egg size. The first setting I put in 150 eggs and broke two the first week which left only 150 at hatching time. I got 148 chicks and never tested the eggs. We surely have had fine luck with our machine the past two years. Would not sell it and be without it for any money. My neighbors have other incubators and I beat them all. **NELLIE GARDNER**
Osceola, Mo.



MONEY BACK GUARANTEE

Women and children find it easy to succeed with the Sure Hatch incubator

We can give you the names of tens of thousands who make a handsome, steady income with very little effort, and would not bother with hens or with any other incubator. The

Sure Hatch Is Automatic in Operation

Any one can succeed with it, even if they have never seen an incubator before. It is a plain, simple, strong machine, so built that it can't go wrong. Will hatch in cold weather when others fail. We send with each machine complete instructions for operating that are very easily followed. We guarantee it 10 years and send it to you freight paid, on 60 days trial. Satisfy yourself by actual test that it is a quality machine in every respect. Your money back promptly if it is not all we claim for it. Poultry turns kitchen waste and other farm waste into ready money; and you can depend upon the Sure Hatch to bring you the chicks at the time of year you want to hatch them to get the best price for them. Write for our Free Illustrated Catalog, giving full information on Sure Hatch incubators and brooders, with much valuable information about poultry. **SURE HATCH INCUBATOR CO., Box 14, Fremont, Neb.**

Our Uncle Sam Poultry Book will help you to succeed. It tells all about how to handle the business the best way. It is a compilation of official reports by U. S. Government experts. Tells what to do and what not to do. Many illustrations. Free with every Sure Hatch.

Live Well On Chicken Profits

You can do it when you go about it the Johnson way. Let me send you this poultry book and show you how we started 580,000 others. It's no trick to live off the chickens and save the profits you make in other lines. You can let the chicken profits pay the bills—live on the fat of the land and still have money to put in the bank or put into improvements around your home. Get in touch with us and we will show you the way.

Old Trusty

Makes big hatches winter or summer for the beginner as well as the oldtimer. Now used by 580,000 poultry raisers, which is three or four times more than the next best can show. That's because Old Trusty owners go in for profits and get them. You take no risks the Johnson way. Old Trusty comes on thirty to ninety days' trial and ten-year guarantee. Also we pay freight. Write today for Old Trusty book and low price based on 100,000 sales this year. **M. M. JOHNSON CO., Clay Center, Nebr.**

Still Less Than \$10.00

Freight Paid to any point East of Rockies—a trifle more to points beyond.

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With cheap incubators. A Queen costs but little more and the extra chicks the Queen will hatch soon pays for it. Alfred Cramer, Morrison, Mo., says: "I have operated about ten other incubators and your Queen is superior to any of them." S. L. Todd, Green Forest, Ark., says: "I have tried six other machines, high and low priced, and will say the Queen is the best incubator I ever saw." Ask for free book that tells how the Queen is built to hatch without trouble. **Queen Incubator Co., 131 Ryan Ave., Lincoln, Neb.**

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Out living expenses—Increase your income Thousands make money this way with **SUCCESSFUL INCUBATORS SUCCESSFUL BROODERS** Life Producers—Life Preservers High-grade poultry—all leading varieties. Why don't you do the same? Learn how easy it is to start. Booklet "How to Raise 48 out of 50 Chicks"—10c. Catalogue FREE. Write today. **Des Moines Incubator Co., 346 Second St., Des Moines, Ia.**

\$7.25 Mankato Incubator

You couldn't buy better at two or three times the price. California Redwood case, triple walls, asbestos lined, pure copper tank, safety automatic regulator, safety lamp, everything. **Free Book of Incubator Facts** 120 chick brooder \$2.50; 240 chick brooder \$4.00—and up. Write for free book today. **Mankato Incubator Co., Box 792, Mankato, Minn. only \$10.25**

50 Best Paying Varieties Pure-bred Chickens, Ducks, Geese and Turkeys. Hardy, Northern raised. Highest quality. Poles, Eggs and Incubators AT LOWEST PRICES. Large poultry book of valuable information de. Poultry Headquarters. **W. A. WEBER, Box 928, Mankato, Minn.**

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That's the BIG fact about RAYO incubators—big hatches of strong chicks with the least oil and least work. Beginners start right out like experts with the RAYO. That's because of the center heat.

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Hatches on one gallon of oil because lamp underneath saves heat and lamp flame control saves oil. Runs entire hatch on one filling of its 6-qt. oil tank. Has fresh air ventilation that brings chicks out strong and sturdy.

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Another fine feature! Eggs always in plain sight—No more stooping to see thermometer. No more suspense on hatching days. It's all right in sight, plain as daylight.

Ask For Let us send you our catalogue and book "Turning Eggs Into Chickens Into Dollars." Also sample of RAYO Patent Hatching Chart, sure guide to success. Both free on request. **Rayo Incubator Co., U. S. Sta. 2330, Omaha, Neb.**

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Awards At Manhattan

The exhibits of grain crops and dairy products are among the best educational features of the State Farmers' institute. New ideals and new standards of production can be obtained by comparing the different entries. The value of the experience obtained by the boys and girls who take part in these contests hardly can be estimated. Here are the awards in the different classes:

Corn.

Men's classes—Ten ears yellow dent: 1. C. H. Werner, Troy; 2. John Brox, Atchison; 3. F. C. Werner, Troy; 4. George Akright, Utopia; 5. Fred H. Bayer, Yates Center. Ten ears white dent: 1. L. C. Swihart, Lovewell; 2. A. C. Christopherson, Garrison; 3. D. Shank, Mankato. Ten ears other than white or yellow dent: 1. F. G. Lapta, Lawrence.

Boys' classes, Eastern Kansas—Ten ears yellow corn: 1. Joseph Brox, Atchison; 2. T. L. Bayer, Yates Center; 3. Harold Weber, Carlyle; 4. Kelley McAtee, Parksville; 5. Fred H. Bayer, Yates Center. Ten ears white corn: 1. Allen Shadwick, Iola; 2. James Dunlap, Carlyle; 3. George McClelland, Maple Hill; 4. Lloyd Roberts, Ponna; 5. Marvin Hensel, Alma.

Boys' classes, Western Kansas—Ten ears yellow corn: 1. G. W. Burson, Russell. Ten ears white corn: 1. E. A. Schroeder, Lebanon; 2. Ras Mussen, Jetmore. Ten ears other than white or yellow from any part of Kansas: 1. Chester Crais, Erie.

Best ten ears in men's classes: C. H. Werner.
Best ten ears in boys' classes: Joseph Brox.

Sorghums.

Men's classes—Ten heads of kafir: 1. L. C. Swihart, Lovewell; 2. Ed Knox, Manhattan; 3. Joseph Carlson, Cherokee. Display of 25 heads of one of more varieties of forage or grain sorghums: 1, 2, and 3, L. C. Swihart.

Boys' classes—Ten heads of kafir, Eastern Kansas: 1. Herman Wehrenberg, Bazaar; 2. Allen Barkis, Nickerson; 3. Clarence Gorham, Tyro; 4. Lesly Gorham, Tyro; 5. T. L. Bayer, Yates Center. Ten heads kafir, Western Kansas: 1. John Moser, Hugoton; 2. Lee Burris, Syracuse; 3. Lester Alexander, Santa Fe; 4. Lloyd Craig, Kendall; 5. George Hik, Dodge City. Ten heads of feterita, grown in any part of Kansas: 1. E. A. Schroeder, Lebanon; 2. Harold H. Sweet, Mankato; 3. Edgar Kindler, Esbon.

Dairy.

Five pounds country butter: 1. Mrs. Arthur Child, Manchester; 2. Mrs. S. R. Barry, Manhattan; 3. Mary A. McManus, Manhattan; 4. J. O. Parker, Scott City; 5. E. A. Wingate, Manhattan; 6. J. R. Ladle, Independence. Ten pounds creamery butter: 1. Ottawa Condensing Co., Ottawa; 2. Merrit-Schweil Creamery Co., Great Bend; 3. Beatrice Creamery Co., Topeka; 4. Belleville Creamery Co., Belleville; 5. Manhattan Pure Milk Co., Manhattan; 6. Bauer Ice Cream Co., Cherryvale. Whole milk: 1. Antone Kemnitz, Manhattan; 2. A. A. Patterson, Ellsworth; 3. W. G. Davis, Manhattan; 4. V. F. Stuewe, Alma; 5. J. W. Linn, Manhattan; 6. S. R. Barry, Manhattan.

New Sheep Feeding Bulletins

Farmers who are contemplating feeding lambs this fall or winter should obtain a copy of bulletin No. 167, published by the Illinois Experiment station, Urbana, Ill. This bulletin, which is one of the best published in recent years, gives the results of experiments conducted to determine the best amounts of alfalfa hay and grain to feed to fattening lambs. The results of these experiments indicate that it is not a good plan for the inexperienced feeder to attempt to make his lambs consume the maximum amount of corn. The proportions in which the corn and alfalfa hay were fed did not seem to have any influence on the total weight of feed the lambs were able to consume, but those getting the larger amount of corn made the most rapid gains.

The effect of early and late shearing and the efficiency of wether and ewe lambs also were noted in these tests. Early shearing did not always result in a greater gain in weight and there was no marked difference in the rate of gains made by the wether and ewe lambs. There seemed to be little cause why feeders should prefer one sex over the other. The bulletin in which these results are given can be obtained by writing to the director of the Experiment station, Urbana, Ill.

The New Hampshire Experiment station, Durham, N. H., has just published a bulletin showing the value of silage for breeding ewes. These experiments covered a period of two years. The results obtained showed that silage, where available, should be part of the winter ration. It adds succulence as well as a considerable amount of digestible nutrients. The author of the bulletin states that when lambs are started on feed it is a good plan to sprinkle some grain, such as oats or bran over the silage. The lambs will eat the silage more readily if this is done.

A great deal of the oak used on the Pacific coast comes from the eastern part of Asia.



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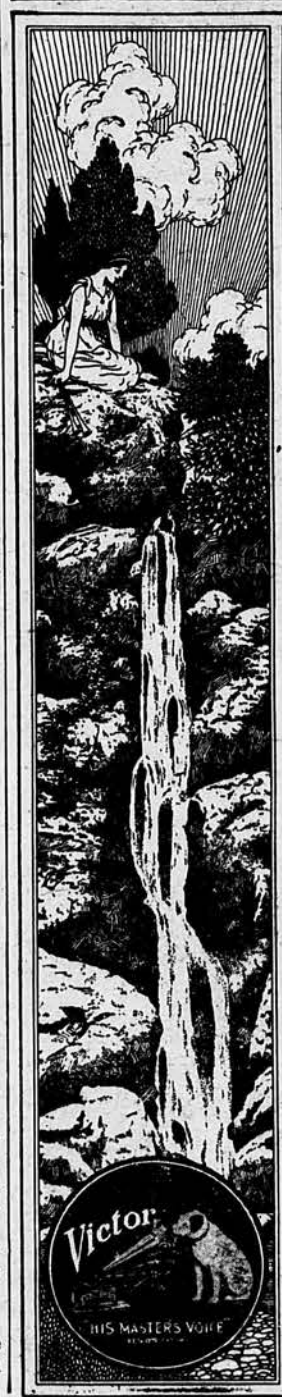
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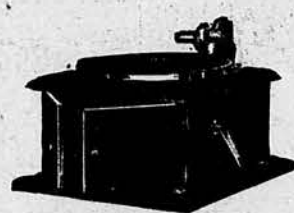
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Walter Johnson Keeps Cows

Purebred Holsteins Are More Attractive Than Baseball

BY F. B. NICHOLS

KANSAS boys living on dairy farms, who are discontented with the milking and the other work would do well to consider the example of Walter Johnson, the world-famous baseball pitcher. Johnson has a dairy farm, with a herd of 20 registered Holsteins near Coffeyville, to which he goes every year, just as soon as the baseball season has ended. The money that Johnson makes in the baseball world is going into the up-building of the dairy business, instead of helping to upbuild the great white way of the city.

"Farming, and especially dairy farming, is the most attractive life I know anything about," said the world idol of the Washington National League baseball team to a visitor a few days ago. "After my baseball days are over I expect to spend all my time farming. Meanwhile I shall stay on the farm when I am not away with the team in the East. The thing that surprises me is that there is not a more general appreciation of farm life."

The farming business on the Johnson farm has been developed on a logical basis. It is not a "show" herd or place; the buildings have been constructed and the foundation stock purchased with the idea of making the herd pay dividends. Some remarkably good animals have gone to make up this herd; it includes A. R. O. cows and others that could break into advanced registry if they were placed on official test. The bull at the head of this herd came from the famous Holstein herd of the National Soldiers home at Washington, D. C. Mr. Johnson went out between games one day and bought him.

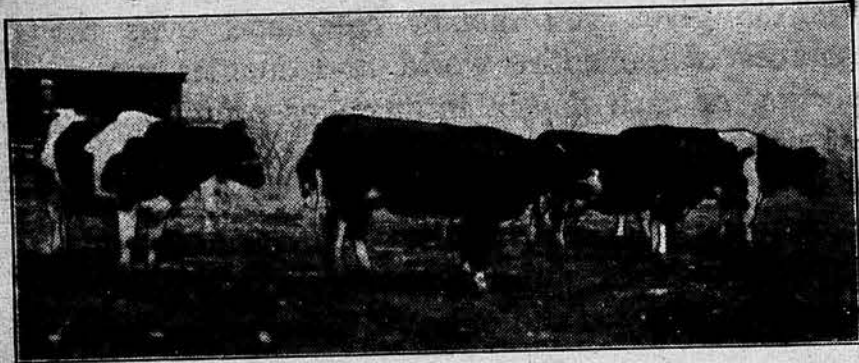
The milk from this herd is sold in Coffeyville. A special effort is made in

feeding the cows to get a maximum milk production. Silage and alfalfa hay form the basis of the ration, with some prairie hay and other roughage. There is some variation in the amount of concentrated feed which the cows get, depending mostly on their production. This concentrated feed consists largely of bran; the exact mixture used depends somewhat on the prices of the concentrates.

The silage is stored in a concrete-stave silo. Good results have been obtained with this form; it has kept the silage well. Mr. Johnson is well satisfied with it.

One of the especially pleasing things about the dairy farming on the Johnson farm is the part it is taking in the conservation of the soil. The farming land on this place is much like a great deal of the land in Montgomery county in this respect. It decreases rapidly in crop producing power if the humus supply is lowered very much. It gets into bad physical condition quite easily. The manure produced by the herd is saved carefully and applied to the land, and this is doing much to increase its crop producing ability. More than this an increasing acreage of legumes especially alfalfa, is being grown.

Few men in the history of baseball ever have received greater rewards, financial and otherwise, than this noted Kansas pitcher. Few have been so well liked by the citizens of the city owning the team on which they play as is Walter Johnson; he seems to have received about all from Washington that a man could hope for. But all of this does not keep Mr. Johnson away from his Kansas farm. When the baseball season is ended he takes the train back to Coffeyville and to his Holsteins.



Some of the Holsteins on the Johnson Farm; Silage and Alfalfa Hay Make Up the Basis of the Ration

Cows Do Not Die For This Man

The temptation is strong to let the cows go on a light feed for the last few days, and so provide that much more time for finishing the husking. When they are turned into the field they are very hungry, and they eat more than they should.

My plan is to feed them all they will eat, making sure that they have salt and water, so that they will not be hungry when they go into the field. I would not hesitate to turn my pureblood cattle into any stalk field. I have used stalk fields for 30 years and never have lost an animal. J. T.

Dickinson County.

No Loss In Stalk Fields

We have never lost any cows from stalk disease. A few days before we are ready to turn them out, we salt them well and feed them all the good roughness they will eat. The afternoon before the day they are to be turned out they are not allowed to drink. The next morning we feed them well, make sure that they drink freely, and then turn

them in the stalk field for about 2 hours. They are left out a little longer the second day, and the third day they can stay in the field until noon. After this they can have the run of the field. Be sure that all of them drink before they go to the field in the morning. H. E. L.

Wallace County.

Give the Cows Other Feed

We consider it safer to provide some other feed during the whole time that our cattle are pasturing the stalk fields. My plan is to turn them in the field for an hour or two at first, having previously given them a good feed. The time that they are allowed to stay in the field is increased gradually from day to day, and the feed rack is kept full. Morris County. W. F. A.

It's well to remember that the "fine old gentleman" didn't get his start as a fast young man.

Remember that cornstalks need plenty of air, and that stacked in large ricks they are sure to heat.

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The Proof of the Pudding

Girls Who Tried the Cooking Lessons Tell Their Luck. Their Pies Were 'Most as Good as Mother's

COOKING is hard work sometimes, and sometimes it is nothing but fun. The work comes when the dough sticks to the pastry board and refuses absolutely to roll out nice and smooth as good dough should, or the stove is too hot and fingers get burned along with the roast. All that part is forgotten, though, when dinner time comes and father and mother and the boys look over at the little cook and say, "My, but this pie is good! That's the time when the fun begins. The little cook's eyes grow very bright and her cheeks flush up rosier than ever with pleasure, and she makes up her mind that when she is a big girl and doesn't have to go to school all the time she'll make pies every day and be as good a cook as mother is. That's the way it was with the girls who tried the cooking lessons in the Farmers Mail and Breeze. They had troubles and bad luck sometimes, but the fun was sure to come too. Just read the letters they wrote about it and then see if you aren't sorry you didn't try the lessons yourself.



It Was That Cherry Pie.

[First Prize.]

As soon as I saw the first cooking lesson in the Farmers Mail and Breeze I decided to try them all. The white sauce I made curdled. Mamma thought it was the butter. It was soft and the buttermilk could not be pressed out of it. When I put the tomatoes and soda into the soup it did not taste curdled, and papa said, "My, but this is swell dope!"

My scalloped corn was all right but I did not have enough white sauce for the amount of corn. Papa does not like canned corn so he did not care for it but my brother liked it and ate nearly all of it. My steamed custard was a success. I doubled the recipe for our family and my brother ate nearly all of it. I doubled the recipe for the baked custard, too, and papa liked it so well he ate four cups of it.

I made a cherry pie and followed the recipe for making it. I thought it was all right but mamma thought it was not flaky enough. She said it must be the mixing. I doubled the recipe and made two pies. Before bedtime, my brother's friend who is visiting him, said, "I've been wondering what was the matter with me all evening, but now I know it was that cherry pie."

When the meat lesson came we had a chicken already killed, and as we did not have any other meat, mamma thought the chicken would be all right. I scalded and picked the chicken myself but mamma helped me singe it for fear I would burn myself. I had never drawn a chicken so mamma helped me with that. Then I washed the chicken and rinsed it well. I melted some butter and rubbed it over the chicken, sprinkled it with salt and dredged it with flour. We were going to have company so I made an onion dressing and it and the chicken were good. My brother's friend said, "That was pretty good, Amy." I enjoyed the contest very much and hope there will be another some time.

Amy Howell, age 10.

R. 2, Emporia, Kan.

Not Enough For Brother.

[Second Prize.]

I tried all the recipes and had good luck with every one. I took a small kettle and put a coffee can in it to cook the white sauce, with patty pans on each side of the can to keep it from bobbing around. We all liked the tomato soup and my brother wished there was more of it. I multiplied the recipe by two and I ought to have multiplied it by three.

My teacher ate supper with us when I had the scalloped corn and she said it was good. We all liked it except father. He doesn't like corn very well. My mother said she learned something

about the custard. She always had beaten her eggs too much. Mine were just fine. We thought the steamed custard was best.

I made two pies and had a little crust left so mother used it for a custard pie. I had a hard time rolling out the dough. I had to use too much flour on the pastry board. The dough stuck fast and I had to take a knife to get it loose. Mother said I was skinning the pastry board. I learned that you should put your rolling pin in the middle of the dough and roll to the edge.

Mother said she knew one girl who got so out of patience the first time she tried to roll out pie crust that she cried. Mother said my crust was as flaky as any she ever ate.

The piece of beef I roasted weighed 2 pounds and I cooked it an hour. I put meat fryings in the pan to start it. Father said it had a good flavor and mother said it was nice and juicy. I did not have a roaster so I took bread pans, one smaller than the other, and put the small one on top. Maud Bronson, age 12.

R. 1, Paradise, Kan.

Papa Had To Taste Again.

[Third Prize.]

I was 10 years old when I started into the cooking contest but I had a birthday in November and I am 11 now. I made some tomato soup for supper one evening, and as I curdled my soup by putting cold milk into the tomatoes and not using enough soda, mamma said I could try again. I followed directions exactly the next time, and everyone said it was fine. The scalloped corn was good, too, but I did not get it brown enough as I was slow getting it ready for the oven.

I made a steamed custard first and all I thought it was fairly good, but it wasn't quite sweet enough. The next evening I tried a baked custard, but it looked pretty queer, for I put chocolate in it and that all came to the top of the custard. I baked it a little too long and that made it tough, so I counted it a failure and have not tried it over again.

One Saturday mamma was making apple pies and said I could make one too, so I got a little crock and a knife and mixed up a crust. The crust was hard to put in the pan. Mamma thought it had too much shortening. We had it for dinner Sunday and papa said it was better than mamma's. When the meat lesson came, mamma said I could roast a chicken, so I followed directions the best I could and they all said it was very nice—that is, all but papa. I asked him how he liked it and he said he would have to taste it again, so he took another piece. I asked him again and he said he would have to try it once more, so he took another piece, and I think it must have suited him all right, don't you? Frances Jones.

R. 1, Lyons, Kan.

The Last Was the Best.

As I have tried all the cooking lessons I thought I would tell of my luck. I am 12 years old, so I ought to have very good luck. I had never heard of white sauce, but I tried it and did not get it thick enough at first so I had to make it again. I had better luck with my scalloped dish, though the sauce was a little thin and I burnt it some. Papa said it wasn't bad and that I would be a cook yet.

Brother said he would not mind having my custard every day, and papa said it tasted better than it looked. I baked an apple pie, but I had bad luck. First I put in too much shortening and then too much salt, but the crust was flaky and tender. Mamma said I could make a pie almost as well as she could.

My, but the pork roast was good! We took it to a picnic and everyone thought it was fine. I got it roasted just right

but I burned my fingers two or three times in my awkwardness. Papa said of all the lessons he liked the meat one best. Amy Lemert.

R. 1, Cedar Vale, Kan.

This Pie Went to School.

I live on a farm and am 11 years old. I have two brothers and four sisters. I help mamma cook and I am in the seventh grade at school. I had good luck with all my cooking. Papa said my tomato soup was good, and so did my big brother. Before I made my pie I set the flour and lard on the porch one cold night so it would be right for working. We took the pie to school and my teacher said it was good, and so did my big brother. We took the baked custard to school, too. Mamma said we had to hurry the roast a little because we had carpenters here for dinner, but it was good. I like to help mamma cook and bake. I can make cake and biscuit. Flora L. Scott.

Chase, Kan.

Blow Some Frost Bubbles

Some cold Saturday afternoon when you are tired of story books and dolls, ask mother to let you blow soap bubbles. The boys will want to play, too, when they see how much fun you are having, for these aren't to be common every day soap bubbles that you can blow summer or spring or any time; they are to be frozen bubbles and you can't make them except when the thermometer is well down below freezing. You will have to have the window up a ways, so you had better put on your sweaters and your mittens and be careful not to splash water so you might take cold.

Make a strong "suds" and with a small clay pipe blow a medium sized bubble and hold it at arm's length out of the window. In a few seconds the bubble will become cloudy, and then, in most cases, it will change its shape and become pointed at the bottom. If you look very closely, maybe you will see tiny frost crystals spreading over the film of the bubble, though you will not see any such distinct and beautiful patterns as those you see on the window panes on cold mornings. This means that your bubble is freezing, changing from a hollow sheet of water to a hollow sheet of solid ice. Of course it will be very thin and very brittle with none of the elasticity of the liquid film. After the bubble is frozen you cannot blow it any bigger for the least puff or the slightest touch will break it. Usually when the bubble is frozen it breaks and falls by its own weight. If it happens to drop on a hard surface you can hear a little crunching sound that tells you plainly the bubble is ice and not water. If you wish other proof, catch the bubble in your hand as it falls, or touch the little crumpled mass with your finger. You can tell by the sense of feeling that it is sure enough ice, but it is so thin the heat of your finger will melt it instantly no matter how cold the weather may be.

If you will set an old table with a piece of woolen cloth over it just beneath your window you can shake a lot of bubbles off on it and watch them freeze and crack, one by one. You will have to choose a still day for your fun, because a puff of wind would break the frost bubbles.

Try a Laughing Match

A laugh is the best kind of ice-breaker for a party or social. Folks can't help feeling acquainted after they have had a good hearty laugh together, no matter if they were all strangers at first. A good way to get the laugh started is to try a laughing game.

Choose two captains and let them select players for each side, the players standing in two rows facing each other as in a spelling match. When everyone is ready, the hostess throws an old felt hat on the floor between the rows. If it falls crown up, all the players in the line on the left must begin to laugh as heartily as possible. If anyone in the opposite line laughs or even smiles, he must go over to the other side. In three minutes the hat is thrown again, and if it falls with the brim up, the right line must laugh and try to win back the players they lost, and as many others as they can coax into a smile. The game is continued till one side wins all the players.



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Keep Cattle on the Land

Farmers At Manhattan Talked Much Of Livestock

BY TURNER WRIGHT
Livestock Editor

LIVESTOCK and livestock talks were leading features of the annual Farmers' institute last week at Manhattan. The general sessions, held in the auditorium, were worth the price of a trip to Manhattan but the talks relating to livestock attracted more than the average amount of interest and attention. Men are beginning to realize the importance of utilizing all the coarse, rough feed grown on the farm. The only way this can be done successfully is with good stock. The point most generally emphasized was that marketing the finished product instead of the raw material is the best way to keep up the producing power of the land. Prof. Andrew Boss of the University of Minnesota, showed by comparing the records of unprofitable and profitable farms that the chief factors which determine success are: A liking for the work; a diversity of crops and livestock; and wellbred stock. Or, expressed in other words, farm profits are determined by efficiency in production. M. L. McClure of the Federal Reserve board, Kansas City, Mo., in discussing the relation of the banker to the livestock farmer pointed out that the success of the banker always depends on the success of the farmer, and that a nation's wealth is reckoned mostly by the number of cattle and other livestock its people possess.

A Bright Future

The meetings of the several livestock organizations were features of the week. Many optimistic expressions as to the outlook for the future were heard at these meetings. Prosperity for the coming year seems assured. If the opinions voiced were indicative high prices will prevail for breeding stock of all classes if it shows quality and good blood. Talks given by members of the veterinary department were special attractions at these gatherings.

The sixth annual meeting of the Kansas Swine Growers' and Breeders' association was particularly successful. The need of better sanitary laws, particularly for controlling and eradicating hog cholera, was the subject most freely discussed. The rapid spread of the disease, in many instances, was attributed to the lack of efficient sanitary and quarantine measures. A legislative committee composed of the officers of the association was appointed to work in co-operation with similar committees appointed by the other livestock organizations of the state, for the interests of stock growers during the next session of the legislature. Changes in the present law governing sanitary rules and regulations probably will be recommended. The officers elected were: W. W. Otey, Winfield, Kan., president; Turner Wright, Topeka, Kan., secretary-treasurer; and five vice-presidents, instead of one as heretofore, to represent the leading breeds. The vice-presidents elected were: F. G. Laptad, Lawrence, Duroc-Jerseys; George W. Berry, Topeka, Berkshires; L. B. Walter, Effingham, Poland Chinas; W. H. Lynch, Reading, Chester Whites; and W. F. Price, Eudora, Hampshires.

Horsemen Were Busy

The meetings of the Kansas Horse Breeders' association also attracted their full share of attention. C. W. Lamer of Salina, Kan., gave a brief review of the present horse market situation. According to Mr. Lamer, good horses will bring remunerative prices during the next three months. The demand for 1,200 to 1,500 pound horses is better than it has been for several years. If the foreign war were to stop tomorrow there still would be a good European demand for work horses. Farmers in Kansas should pay more attention to their horses and get them fat when they are ready for market. W. S. Corsa of

Whitehall, Ill., while discussing the future of the draft horse business in this country, emphasized the importance of good care and good feed in developing draft colts. "There has been a great development in the draft horse business in this country in the last three months," said Mr. Corsa. "There is a shortage of good stallions, and importers and breeders are buying up all the most promising colts. Good horses always will bring good prices. The real basis of draft horse production in this country is the pair of farm mares."

Evidence given at this meeting shows the need of a stallion lien law in Kansas. The officers elected were: George B. Ross, Topeka, president; Bruce Saunders, Holton, first congressional district; F. G. Laptad of Lawrence, second congressional district; H. B. Campbell, third congressional district; Peter Peterson of Burlingame, fourth congressional district; W. H. Rhodes of Manhattan, fifth congressional district; J. M. Rodgers of Beloit, sixth congressional district; Ralph S. Cantwell of Sterling, seventh congressional district, and J. C. Robison of Towanda, eighth congressional district, vice-presidents; and Dr. C. W. McCampbell, Manhattan, secretary-treasurer.

The talks and lectures on the silo and dairy problems, as usual, attracted considerable attention. The need of more co-operative associations for testing farm cows was emphasized by Prof. O. E. Reed. It was decided at a meeting of the State Dairy association to enlarge the legislative committee from three to eight members. One member will be appointed from every congressional district. The officers elected were: P. W. Enns, Newton, president; William Newlin, Hutchinson, vice-president; and J. B. Fitch, Manhattan, secretary-treasurer.

Money From Sheep

The Kansas Sheep Breeders' association held an enthusiastic meeting. The officers elected for the coming year were: J. I. Holt, Pleasanton, president; A. M. Paterson, Manhattan, vice-president; and Carl Thompson, Garrison, secretary-treasurer. A talk given by Dr. C. W. McCampbell on the future of the sheep business in Kansas was the

feature of this meeting. Sheep, according to data presented by Doctor McCampbell, return a greater profit on the amount of money invested than do cattle. A 100 per cent lamb crop is not unusual. The sheep business requires close attention to details, but the man who gives his flock good feed and care will succeed.

Important meetings also were held in the divisions for farm engineering and horticulture. The programs for all these meetings were better arranged and more instructive than heretofore. The lectures on lighting farm homes; concrete construction; and farm power, given by the engineering department, proved especially attractive. While the fruit display usually made by the horticultural department was missed, the quality of the talks and lectures was fully up to standard; and the attendance was better than in past years.

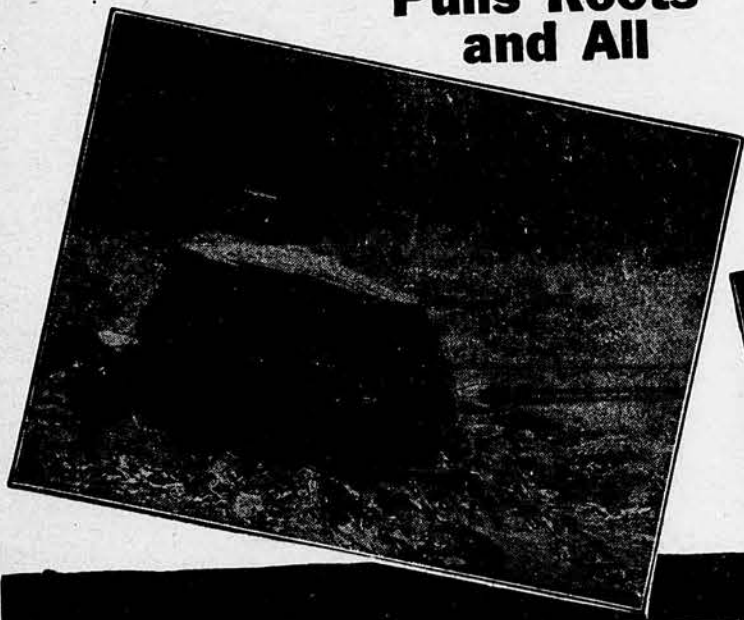
The feature of special interest in the agronomy department, in addition to the regular talks and lectures, was the display of corn and sorghums. Special inducements were offered in the boys' classes this year. There were 55 entries of corn and 27 entries of sorghum. The officers elected for the Kansas Crop Improvement association were: W. G. Shelley, McPherson, president; L. C. Swihart, Lovewell, vice-president; B. S. Wilson, Manhattan, secretary-treasurer; C. C. Cunningham, Manhattan, inspector; and L. E. Call, Manhattan, John Brox, Atchison, and R. A. Willis, Manhattan, board of directors.

The institute was not simply a meeting for men. Things of interest were provided for women and girls, and boys. Conditions which tend to make farm life more attractive and enjoyable were pointed out and emphasized. Generally it is recognized that contentment and happiness are essential for success in any work. The programs for the women, and the girls and boys were arranged so that the plainer things of everyday life could be forgotten. The aim was to provide recreation, as well as instruction; and suggestions which could be used in developing community social life. It is safe to say this work never has been appreciated more.

An account of the institute meetings



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Let me



would not be complete without mention of the poultry show and lectures. The work in this department was one of the attractions of the week. The display of poultry while not so large as has been made at some shows in the state, was characterized by quality. The lessons in judging proved particularly popular.

The institute was attended by more than 1,200 persons interested directly in various phases of agriculture and rural life—the largest registration ever recorded in a similar meeting at Manhattan.

Help From the Government

The United States Commission on Industrial Relations has taken the first steps toward bringing about a conference of state officials, farmers, bankers and others in the great grain states of the Missouri valley for the purpose of devising methods for better distribution of harvest hands in future seasons.

It is planned to hold the conference in Kansas City during December. Letters of invitation have been sent to the heads of state departments of agriculture, and of labor, secretaries of commercial clubs, grain merchants, social workers, bankers and others in the states of Kansas, Missouri, Oklahoma, Nebraska, North and South Dakota, and Minnesota. Secretary Houston of the Department of Agriculture at Washington, and Secretary Wilson of the Department of Labor, also will be asked to attend the conference. The Commission is acting in co-operation with state officials, and particularly with W. G. Ashton, assistant state labor commissioner of Oklahoma.

During the harvest season just closed the Commission on Industrial Relations kept two agents in the field. They traveled with the harvest hands and lived and worked with them. Other agents of the commission have studied the problem from the standpoint of the employment agents, farmers, bankers and state officials. This investigation has shown a deplorable lack of authentic information, or of any machinery for properly directing the distribution of harvest hands.

Towns in the grain growing states would advertise for 5,000 men when they needed only 500 because of the fear of a shortage of help. Laborers including ambitious young men would see advertisements and press dispatches announcing the need of large numbers of men in various western districts, and would leave their jobs in eastern cities and would go to one of the larger towns in the grain belt. There they would be unable to obtain accurate information as to where their services were needed, and sometimes they would find that the harvest was not to begin for two or three weeks, and that in the meanwhile there was nothing for them to do except to remain idle in the towns and cities. Others would follow the principal rail-

The Modern Farmer

BY W. S. HARWOOD

Today the advanced tiller of the soil must come up to his calling as fully equipped for service as the lawyer, the editor, the doctor and the captain of industry; for the curious fact has developed that the calling in which the unlettered and untrained man was once supposed to have as good a chance as the educated one is now the calling in which wide and varied knowledge is as imperative as in almost any other known among men.

road lines searching for work. This tended to result in demoralization of large numbers of young men who ran out of funds and were forced to live in cheap lodging houses where they were thrown into association with professional hoboos. The community suffered because of the growth of petty larceny and lawlessness, and the farmers who lived off the main lines of railroads often lacked sufficient help while there was a glut in the labor market along the main lines.

The best crop, after all, is the children.

Factors of Profit in Farming

BY E. H. THOMSON

A careful study in regard to the profits made by a large number of farmers in different parts of the United States shows that the size of the farm business is one of the most important factors controlling the farmer's income. The problem of how large an investment is needed in order to carry on a certain type of farming to advantage is of the utmost importance. The amount of this investment will vary according to the type of farming and to the region selected.

In a survey of 100 farms in an irrigated district in Utah only three farm owners with less than \$10,000 total capital received a labor income of more than \$1,000 for their year's work. In a group of 35 of these men, who had small farms and an average capital of \$5,345, the average labor income was \$235. One out of every five received nothing for his labor and made less than 5 per cent interest on his farm investment. With high-priced land this amount of capital gave him too small an area to utilize to advantage. If land were cheaper, so that a much larger area could be obtained with this same amount of money, then \$10,000 might be a sufficient investment to give the farmer a substantial income.

In the central states, where corn, wheat, and oats are the prevailing crops and where land is from \$150 to \$250 an acre, \$10,000 would be entirely too small an investment to yield the owner a good income for the reason that 40 to 50 acres, the total amount of land he could possibly buy with this amount of money, would not utilize his teams, machinery, or labor to the fullest advantage.

On the other hand, the number of acres is not always a true measure, as a big business can be conducted on a small area. Forty acres of truck and small fruits may equal a 200-acre farm devoted to grain, hay, cattle, and hogs. It is the type of farming that determines the number of acres necessary for efficient operation. Many persons have made the mistake of buying too high-priced land for successful general farming. In other words, they paid truck

farming prices for land which on account of market relations should be used for only grain and general farming.

The proportion of the total investment that should be used as working capital is equally as important as size of investment. Generally speaking, about 75 per cent to 88 per cent of the farmer's investment is in real estate, the other 12 per cent to 25 per cent being in livestock and other equipment. This proportion will vary according to the type of farming followed. In regions where dairying is the main enterprise, the amount of working capital may represent one fourth of the investment.

Kansas Needs Better Roads

I should like to see the good roads question discussed in the Farmers Mail and Breeze. What can we do to keep the traveling public from cutting and furrowing our good roads and making them almost impassable every wet spell? Why not make the best of what we have in the way of roads? It will not be long until we can have our roads mud proof like they have in New York and the other older states.

I notice that on almost all graded roads there are two tracks, one on each side of the ridge. The side that is used during good weather becomes smooth and the other side is rather rough. Now suppose for our mutual good we come to an understanding that we will not travel on the smooth track during wet and muddy weather. We have to have bad roads in wet weather anyway so we may as well do our traveling on the rough track when the road is wet and muddy. In this way the smooth side of the road will remain smooth instead of being badly furrowed during every wet spell. In order to carry out our two-track plan we should make our grades at least 30 feet wide and oval instead of sharp. Whenever the road is in the right condition it should be gone over with a leveler—always on both sides.

H. C. Morgan.

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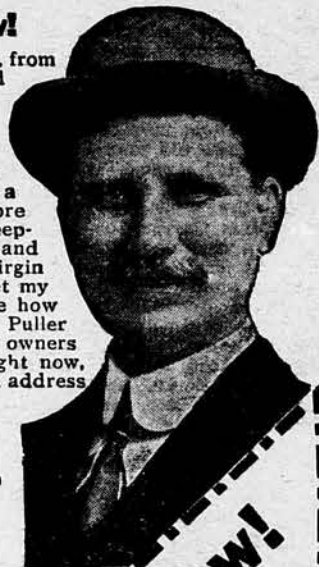
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Lorimer of the Northwest

BY HAROLD BINDLOSS

Author of "Ranching for Sylvia," "By Right of Purchase," "Winston of the Prairie," "Alton of Somaasco," and Other Stories.

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SYNOPSIS

The story describes the hardships, disappointments and final success of two young Englishmen seeking their fortunes as farmers in the Canadian Northwest. Through it all there runs the love tale of Ralph Lorimer, a plucky young man who refuses to let "ill luck" down him, and Grace Carrington, daughter of a wealthy English landowner. In the installment last week Lorimer had faced death to rescue Grace from drowning in a mountain torrent and had carried her to an abandoned cabin while her father and Ormond, a rival for Grace's hand, are searching for her.



He must have spent several hours at the ranch, for Grace was badly shaken, and I felt that rest was needful for both of us, while, when I returned to the cabin after drying myself in the sun, she lay back in a hide-chair sleeping peacefully. So while the shadows of the firs lengthened across the clearing I sat very still, until with a light touch I ventured to rouse her. She woke with a gasp of horror, looked around with frightened eyes, then clung to me, and I knelt beside the chair with my arms about her, until at last with a happy little laugh she said:

"Ralph, I have lost my character, and you know I am a coward at heart; but, and until today I should not have believed it, it is so comforting to know I have a—I have you to protect me." Then she laid her hand on my brow, adding gently, "Poor forehead that was wounded in my service! But it is getting late, Ralph, and my father will be feverishly anxious about me."

Grace was right in this, because, long before we borrowed the rancher's Cayuse pony and set out again, Colonel Carrington and the others reached the bank of the river, and saw only a broad stretch of muddy current racing beneath the rigid branches of the firs. Then after they had searched the few shingle bars—the one we landed on was by this time covered deeply—the old man sat down on a boulder apart from the rest, and neither dare speak to him, though Lawrence heard him say softly to himself:

"My daughter—my daughter! I would to God I might join her."

They turned homeward in solemn silence, though perhaps a last spark of hope burned in the Colonel's breast that by some wholly unexpected chance we had reached it before they did, because Lawrence said he seemed to make a stern effort to restrain himself when they saw only Miss Carrington sitting dejectedly near the window. Thereupon Lawrence was glad to escape, and Ormond, who rode out to gather the mopers for a systematic search, left them mercifully alone.

Afterward the old man brokenly narrated what had passed, and then there was a heavy silence in the room, out of which the sunlight slowly faded, until, as Miss Carrington told me, the ticking of a nicked clock grew maddening. At last she rose and flung the window open wide, and the sighing of the pines drifted in mournfully with a faint coolness that came down from the snow. Meantime, Colonel Carrington paced with a deadly regularity up and down, neither speaking nor glancing at her, until he started as a faint beat of horse hoofs came out of the shadows.

"Only Geoffrey returning!" he said bitterly. "But I have been listening, listening every moment for the last hour. It is utterly hopeless, I know, and we must bear the last black sorrow that has fallen upon us; but yet I cannot quite believe her dead."

The tramp of the hoofs grew nearer, and the Colonel leaned out through the open casement with the hand that gripped its ledge quivering.

"That is an Indian pony, not Geoffrey's horse, and a man on foot is leading it," he said. "They are coming this way; I will meet them."

Miss Carrington, however, laid a restraining grasp upon him, and very slowly the clock ticked off the seconds until, when two figures came out through the thinning forest into the clearing, the Colonel's face grew white as death. For a moment he choked for breath, and his sister sobbed aloud when he recovered himself, for she too had seen.

"I thank a merciful Providence—it is Grace," he said.

I lifted Grace from the pony's back, led her toward the house, and saw the old man fold his arms about her. Then I heard her happy cry, and while for a time they forgot all about me, I stood holding the pony's rein and thinking. My first impulse was to go forward

and claim her before them, but that was too much like taking advantage of her father's relief. Also, I felt that some things are sacred, and the presence of any stranger would be an intrusion then, while it seemed hardly fitting to forthwith demand such a reward for what any other should doubtless have done gladly. So, trusting that Grace would understand, I turned away, determined to call on the Colonel the next morning, and, though I am not sure that the result would otherwise have been different, I afterward regretted it. Now I know that any excess of delicacy or consideration for others which may cause unnecessary sorrow to those nearest us is only folly.

No one called me back, or apparently noticed me, and though with much difficulty I reached the ranch, and was hospitably entertained there, I never closed my eyes all night. I returned to the Colonel's dwelling as early as possible the next morning, and was at once received by him. The events of the preceding day had left their impression even on him, and for once his eyes were kindly, while it was with perceptible emotion he grasped my hand.

"I am indebted to you for life, and you acted with discernment and gallantry," he said. "You have an old man's fervent thanks, and if he can ever repay such a service you may rely on his gratitude."

I do not know why, for they were evidently sincere enough, but the words struck me unpleasantly. They seemed to emphasize the difference between us, and there was only one favor I would ever ask of him.

"You can return it now with the greatest honor it is in your power to grant any living man," I answered bluntly. "I ask the promise of Miss Carrington's hand."

I feel sure now that there was pity in his eyes for a moment, though I scarcely noticed it then, and he answered gravely:

"I am sorry. You have asked the one thing impossible. When Miss Carrington marries it will be in accordance with my wishes and an arrangement made with a dead kinsman long ago."

I think he would have continued, but that I broke in: "But I love her, and she trusts me. Ever since I came to this country I have been fighting my way upward with this one object in view. We are both young, sir, and I shall not always be poor—" but here he stopped me with a gesture, repeating dryly, "I am sorry for you."

He paced the long room twice before he again turned toward me, saying with a tone of authority, "Sit down there. I am not in the habit of explaining my motives, but I will make an exception now. My daughter has been brought up luxuriously, as far as circumstances permitted, and in her case they permitted it in a measure even on the prairie—I arranged it so. She has scarcely had a wish I could not gratify, and at Carrington Manor her word was law. I need hardly say she ordered wisely."

I bent my head in token of comprehension and agreement as the speaker paused, and then, with a different and incisive inflection, he continued:

"And what would her life be with you? A constant battle with hardship and penury on a little prairie farm, where with her own hands she must bake and wash and sew for you, or, even worse, a lonely waiting in some poor lodging while you were away months together railroad building. Is this the lot you would propose for her? Now, and there is no reason I should explain why, after my death there will be little left her besides an expensive and occasionally unprofitable farm, and so I have had otherwise to provide for her future!"

"There are, however, two things you take for granted," I interposed again; "that I shall never have much to offer her—and in this I hope you may be wrong—and Miss Carrington's acquiescence in your plans."

The old grim smile flickered in the Colonel's eyes as he answered: "Miss Carrington will respect her father's wishes—she has never failed to do so hitherto—and I do not know that there is much to be made out of such railroad contracts as your present one."

This was certainly true enough, and I winced under the allusion before I made a last appeal.

"Then suppose, sir, that after all fortune favored me, and there was some reason why what you look for failed to come about—all human expectations, human life itself, is uncertain—would you then withhold your consent?"

(Continued on Page 23.)

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Prices For 1915 Start Well

Prospects Are Favorable For a Prosperous Future

BY C. W. METSKER

THE hog market opened this year with hog prices about 50 cents a hundred pounds less than a year ago, but the lower price is offset to some extent by heavier weight. The sheep market is in a most satisfactory condition. The same may be said of the cattle market. Almost all trade lines are counting on a large, foreign outlet this year. There was a general curtailment of working forces a year ago, and now reports from the East say that all kinds of manufacturing plants are putting increased forces to work. This should cause an increased demand for farm products. The only thing that is likely to cause a depression in prices is that the Chicago trade territory probably will continue a large liquidation of fat cattle during this month.

St. Louis	1,036,500	1,099,950
St. Joseph	353,500	450,000
Total	6,883,250	7,719,450
Hogs.		
Kansas City	2,264,800	2,567,800
Chicago	6,604,000	7,570,950
Omaha	2,240,600	2,542,700
St. Louis	2,532,300	2,584,000
St. Joseph	1,705,400	1,869,800
Total	15,347,100	17,134,450
Sheep.		
Kansas City	2,002,000	2,094,750
Chicago	5,374,000	5,902,800
Omaha	3,100,000	3,232,300
St. Louis	744,500	949,800
St. Joseph	824,000	812,000
Total	12,046,500	12,981,550

Wheat Prices Are High.

Cash wheat is bringing \$1.20 to \$1.23 a bushel. A year ago it sold at \$2 to \$1 1/4 cents. The great value of the 1914 crop is readily apparent when it is considered that the yield of winter wheat was larger than ever before. Oats are 7 to 8 cents higher than a year ago. General indications are that a good demand will continue.

No Change in Hay.

Hay prices remained unchanged last week. Straw was up 50 cents a ton. Receipts of prairie and alfalfa were liberal.

Butter, Eggs and Poultry.

Kansas City, Jan. 4.—Quotations on change were as follows:
Eggs—Extras, new white wood cases included, 34c a dozen; firsts, 32c; seconds, 22c.
Butter—Creamery, extra, 32c a pound; firsts, 30c; seconds, 28c; packing stock, 20 1/2c.
Live Poultry—Springs, 2 to 3 pounds, 12c; hens, No. 1, 12 1/2c; No. 2, 10c; young roosters, 10 1/2c; old, 8 1/2c; turkeys, hens, 16c; young toms, 15c; old toms, 14c; ducks, 12 1/2c; geese, 11c.

Encouraging Pork Production?

T. W.

It seems that some of the large packing companies are going into the missionary business to encourage pork production. It is reported that Armour and Company are building one of the largest serum plants in the world, the purpose of which is to produce serum to distribute among hog growers at cost. This is a laudable effort if the serum is distributed to hog growers at actual cost. According to the Oklahoma Livestock News the packers at Fort Worth, Tex., have lent Texas farmers near Fort Stockton 38 purebred Duroc-Jersey brood sows. The object of this loan was to encourage Texas farmers to produce more hogs.

It seems that if the packers really wish to encourage the production of more hogs, the best way to accomplish this end is to pay a fair price for the hogs that now reach the market. Farmers will produce enough hogs to supply the demand when they receive a price that will pay them for their feed and work and give them a fair share of the profit. The past year has been one of high priced feed. It has cost money to grow hogs but notwithstanding this fact and the immense shortage in the total tonnage of pork marketed the packers continue to beat down the price. Hogs are selling for considerably less now than they did before the beginning of the drouth in 1913. This cannot be attributed to the removal of the tariff on meat as only a limited supply is received from foreign sources and the exports of pork and pork products have increased. Packers began beating down prices last fall and are still following the same policy. In the meantime the consumer has not noticed a decline in the price of bacon.

Of those who kill time it may safely be remarked that it is the only killing they ever make.

Being a popular fellow won't feed the kids.

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Lower Cattle Prices Last Week.

Because Chicago supplies of killing cattle were liberal the last week in December, prices were reduced 25 to 35 cents, but the market closed the year 50 to 75 cents higher than in 1913. Illinois, Iowa and Indiana, three of the largest producers of grain fat cattle, are selling and are not refilling feed lots. Men from those sections say it will be late winter before they begin feeding again. Because of this condition receipts of fat cattle in Chicago in late February to June will be small. Feeding operations in the West are nearer normal than they were a year ago.

January Steers Will Bring \$10.

The market for prime steers indicates that the January top will be \$10 or more. The top price last January in Chicago was \$9.50, and before that no steers ever sold in the first month of any year at more than \$8.25. A \$7.50 to \$8.50 market is probable for the bulk of the sales but this range may be raised. Owing to the extreme cold of December less than the usual amount of weight was added to steers that were being fed in that month.

Calf Prices Up Again.

Veal calves suffered a material set back in December but have regained the loss and now are holding at \$9 to \$10. Moderate supplies are coming and there will be no big movement from the eastern dairy districts before the latter part of February.

First Feeding Cattle to Illinois.

The first cattle to move into Illinois since the outbreak of the foot and mouth disease went to Warren county last week. There is no general movement into the state however, and it may be some time before quarantine regulations permit all sections to receive thin cattle. J. D. Ford of Geneseo, Ill., bought a bunch of feeding steers in Missouri last fall and was unable to get them to his feed lots. He held the cattle in Missouri more than six weeks and finally sold them in Kansas City last week. He had 160 steers. He says there are many empty feed lots in Henry county, Illinois.

Hogs May Rally.

December prices were the lowest paid for hogs last year. The average price for the month was \$7 to \$7.25. Packers made large purchases and opened the new year market at higher prices. Their action in the last few weeks in making large purchases at slowly rising prices makes traders believe that January prices will rule a little higher than December. Liberal supplies are expected for this month and unless packers find a ready outlet for the product the market will be lower. The South which is a large user of cured meats, made smaller purchases in the last five months than for a number of years past. That section is now moving its cotton crop, and with credits of a new year at hand they should be able to purchase more. Packers have small supplies on hand, and any considerable demand for cured meats will stimulate demand for hogs.

Sheep Market Making.

A higher sheep market is in the making. Prices last week showed flashes of strength. The feed season is well started and it will be nearly five months before early grassers from the Southwest relieve the urgent need from feed lots. Supplies are below those of a year ago, so it is with considerable confidence that sheepmen are predicting higher prices. The top price for fed lambs in January last year was \$8.25 and \$8.85 already has been paid this year. As much as \$9.50 is expected before the end of the month.

Short Supplies in 1914.

The following figures show receipts of cattle, including calves, hogs and sheep at each of the five western markets in 1914 and 1913. The receipts in 1914 were 3 1/2 million less than in 1913.

Cattle.		
	12 Mo. 1914	12 Mo. 1913
Kansas City	1,956,650	2,318,900
Chicago	2,601,000	2,888,500
Omaha	985,600	962,100

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Prepare Meat For the Summer

Kansas Ice Houses Were Filled With 8 Inch Ice Last Month

BY OUR COUNTY CORRESPONDENTS

BUTCHERING time is here according to the report of W. S. Wakefield, Ottawa county. He says that the farmers in his section have packed away a lot of meat in the last week. The ice harvest has proved to be better than usual, this year. C. O. Thomas of Rooks county, tells of ice houses in his county that are filled with 8-inch ice. The usual January thaw is proving itself a friend to the wheat farmers. It sent the last of the snow right down into the ground to the roots of the plants.

KANSAS.

Elk County—Ideal winter weather with no snow. Stock doing fine. Farmers busy getting up winter wood. A few farmers baling hay. A number of improvements being made in this neighborhood. Eggs 27c; hogs \$6.50.—Mrs. S. L. Huston, Jan. 2.

Allen County—Two weeks of cold weather but not much snow. One-half inch of rain which makes plenty of stock water for the winter. Many hogs dying in the county and the cause is unknown. Bulk of the corn gone to market at 55c; most of the broomcorn sold for \$40 to \$100 a ton.—George O. Johnson, Jan. 1.

Barton County—Ground covered with snow the last two weeks which has given the wheat some protection but not much in the way of moisture. Weather ideal to date. Farmers not doing much but feeding their stock. No scarcity of feed and stock are doing well.—J. A. Johnson, Jan. 2.

Washington County—Weather has moderated some. Most of the wheat sold in this vicinity. Not as many hogs likely to be raised as usual. Not many sales. Farmers Union busy shipping in sugar, corn, etc.—Mrs. H. A. Birdsley, Jan. 4.

Crawford County—Wheat looks well. Stock doing nicely and very little disease reported, except an occasional case of hog cholera. Hogs selling for \$6 to \$6.50; corn 60c; wheat \$1.10.—H. F. Painter, Jan. 4.

McPherson County—Had a fine snow on the wheat and it did not drift. Lots of hog cholera but other stock are in good condition. Wheat \$1.14; corn 71c; oats 45c.—M. D. Waldo, Jan. 4.

Ellis County—Weather much warmer now but the thermometer went as low as 14 below the last two weeks of December. Three inches of snow. Plenty of feed and stock doing well. Wheat \$1.10; corn 70c; eggs 30c; hens 6c; turkeys 11c and 12c.—D. C. Kingsley, Jan. 2.

Leavenworth County—Considerable feed being shipped in this winter. Not much stock being fed. Milk brings a good price. The farmers having silos are bringing their stock through in better condition and probably cheaper than those without them. Several more silos will be put up this year.—George S. Marshall, Jan. 1.

Rawlins County—Five to seven inches of snow December 17 and no thawing until December 31. January 1 came in with fine thawing weather which will benefit the wheat as the surface of the ground was very dry under the snow. Farmers hauling wheat to market regardless of bad roads. Stock doing well. Wheat \$1.08 to \$1.12; corn 65c.—J. S. Skolout, Jan. 2.

Rush County—Weather warming up and snow is melting. This has been an exceptionally fine fall and winter. All kinds of stock doing well and bringing good prices. Many farmers buying automobiles and putting modern conveniences in their homes. Wheat \$1.16; corn 70c; kafir and feterita 70c.—J. F. Smith, Jan. 2.

Kiowa County—The snow is thawing nicely and the weather is clear. About 88 per cent of the wheat has been marketed. Stock wintering well. No diseases of stock. Wheat \$1.10.—H. E. Stewart, Jan. 1.

Rooks County—Not much moisture in the plowed fields as the snow nearly all blew off. Nearly all the ice houses have been filled with 8-inch ice. Not much wheat left in the farmers' hands. Corn being shipped in. Wheat \$1.10; corn 75c; bran \$1.25; shorts \$1.35; oats 50c; eggs 25c.—C. O. Thomas, Jan. 1.

Lincoln County—Six inches of snow on December 20 which did not drift and was very good for the wheat which needed moisture badly. Zero weather for the last two weeks. Stock doing well. Plenty of rough feed. Wheat \$1.10; corn 72c; kafir 67c.—E. J. G. Wacker, Dec. 29.

Ottawa County—Weather fine. An 8-inch snow which fell December 20 is fast disappearing and leaving plenty of moisture for the wheat. Farmers have been butchering the last week. Plenty of rough feed. Stock of all kinds wintering well. Farmers hauling wheat which brings \$1.10 a bushel.—W. S. Wakefield, Jan. 2.

Wichita County—Some cold weather but the winter has been fine so far. All stock doing well and are in better condition than for several years at this time of year. Feed is plentiful. Wheat in good condition. Cattle and horses high. Wheat \$1.05; eggs 28c; butter fat 30c.—J. E. White, Dec. 31.

Clay County—An even sheet of snow has covered the ground for more than three weeks which is very good for the stock and wheat. Wheat is selling at \$1.10.—H. H. Wright, Jan. 2.

Chase County—Wheat is looking well and the snow has been a great help to the crop. Not many cattle being fed in this county. Large quantities of kafir being shipped out at good prices. Eggs 25c; corn 65c; kafir 50c.—W. J. Dougherty, Jan. 5.

Seward County—All the wheat was up before the ground froze. No wheat pasture. Milo and kafir making an average of 30 bushels to the acre. Milk cows selling at a premium. Wheat \$1.12; milo \$1.06 cwt.—John L. Boles, Jan. 1.

Pawnee County—Snow is nearly all gone. Stock doing fairly well considering the scarcity of grain. Roads have been too slippery to haul the usual amount of wheat to market but some has been sent to market which has sold as high as \$1.15 a bushel. Alfalfa and hay that is selling for \$10 to

\$16 being shipped in. Hens and ducks 10c; corn 79c; hogs \$6.25 to \$6.50; maize \$1.10.—C. E. Chesterman, Jan. 2.

Trego County—Stock looking well. Plenty of feed in the way of roughness, straw, kafir and cane. Ground covered with snow which will help the winter wheat when it thaws out. Fat hogs scarce. Eggs 25c.—Wm. Claycamp, Jan. 1.

Sherman County—Corn about all gathered and farmers well prepared for winter. Corn making from 20 to 35 bushels to the acre. Have had some snow. Corn 50c; potatoes 60c; eggs 40c.—Mrs. J. S. DeLong, Jan. 2.

Marion County—Weather cold the last two weeks. Two inches of snow on the ground which was very good for the wheat. Stock doing well. Distemper and other diseases among horses. Sales quite numerous. Eggs 27c to 30c; wheat \$1.12.—Jac. H. Dyck, Jan. 2.

Reno County—Severe winter weather for three weeks but it is warm now and the snow is about gone. Wheat fields covered with snow and we cannot tell how they are getting along. Still some corn in the fields. Wheat \$1.15; corn 60c; eggs 30c.—D. Engelhart, Jan. 2.

Wyandotte County—Weather cold. Ground covered with snow which is fine for the wheat and rye. Very little frost in the ground.—G. F. Espenlaub, Dec. 30.

Saline County—Fields covered with snow but it is melting the last two days. All kinds of stock doing well. Quite a little feeding being done. Corn 72c; wheat \$1.11.—Jas. Gribben, Jan. 1.

Morris County—Cold weather and 8 inches of snow about two weeks ago. Kafir and cane nearly all threshed. Kafir yield is good, some of it yielding 45 bushels to the acre and one man claims to have a yield of 60 bushels to the acre. Corn about all gathered and it was very spotted. Some hog disease. Plenty of rough feed and stock wintering well. Several carloads of horses shipped out this fall. Corn 60c; kafir 55c; butter fat 28c.—J. R. Henry, Jan. 2.

OKLAHOMA.

Hughes County—Considerable cotton to pick in 1915. About an inch and a half of snow on December 24 which soon melted, leaving the wheat in fine condition. Plenty of feed but it is quite high. Horses high on account of so many being taken out of the county for the war. Corn 65c; oats 45c; hay \$10.—Albin Haskett, Dec. 31.

Cleveland County—Fine winter weather. The snow was of great benefit to the wheat fields and put the ground in good condition for early plowing. Roads drying off nicely since the snow melted. Cattle making good gains in feed lots. A great many hogs of all ages going to market. Some hay and grain also being sold at fair prices.—H. J. Dietrich, Jan. 2.

Canadian County—A fine rain December 23 and snow December 24 which will help the wheat and put the ground in good condition for spring plowing. The subsoil is still dry. Wheat \$1.08; corn 70c; oats 40c; eggs 28c; potatoes 78c.—H. J. Earl, Jan. 2.

Caddo County—Four inches of snow December 22 is now all gone. Wheat looks good. Prices going up.—H. Redington, Jan. 1.

Kingfisher County—Cloudy, misty and rainy for three or four weeks ending with 6 inches of snow. No wind. The snow is gone now and the roads and feed lots are very muddy, which is hard on the stock, especially pigs. Wheat looks fine. Corn shipped in at 80c; hogs \$6.50.—H. A. Reynolds, Jan. 2.

Delaware County—Weather fair. Roads in bad condition. Corn nearly all gathered. The freezing and thawing weather that we are having is hard on the late wheat. No feeding being done. Corn 55c.—Frank Rock, Jan. 1.

Comanche County—Recent rains have soaked the soil thoroughly. The acreage of wheat is large, and most of it is late and has afforded no pasture yet. Kafir and feterita making about 15 bushels to the acre. Threshing is about half done. Some cotton still in the field unpicked.—Fred E. Wiersig, Dec. 31.

Meat Smoking Suggestions

I read the article entitled "Back to Farm-Killed Meat" and it is very much like my own method of curing. I would like to ask whether you wash the meat after taking it from the brine and before hanging it up to smoke?—W. E. C. Custer county, Nebraska.

If the meat has been cured in strong brine it is best to soak the pieces in cold water over night to prevent a crust of salt from forming on the outside when drained. Washing the meat in tepid water and scraping it clean with a brush is also good. Then the pieces should be hung up a day or two to allow them to drain.

When drained they are ready to hang in the smoke house. Then start a slow fire and warm up the meat gradually. If you do the smoking during the winter months it is best to keep the fire going continually until the smoking is finished. If the fire dies down entirely the meat will become cold and the smoke does not penetrate it readily. If the smoking is done during the spring or in summer a light fire may be started every two or three days for two or three weeks, the meat being allowed to hang in the smoke house until sufficiently colored. When the fire is kept going steadily at an even temperature 24 or 36 hours is enough to finish the meat.

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A Real Hog Waterer For Cold Weather.

Supplying Water With Chill Off at All Times

Reduces feeding cost 25 per cent. A Hog is two thirds water. They will drink often in cold weather if they have pure, clean, warm water, easily accessible day and night, enabling them to grow faster, keep healthier and put on more weight with less feed.

IDEAL Hog Waterer Cannot Freeze

Gives constant supply of pure, clean water. Keeps water warm in coldest weather. No ice to Chop—no worry. An all-the-year around waterer. Durable, Sanitary, Automatic feed. Inexpensive to operate. A time saver and money maker for any Hog raiser. Saves its cost in a short time. If your dealer does not have the Ideal Waterer, write today for our low prices and

FREE Trial Offer

The National Manufacturing Co., 1735 Locust St., Des Moines, Iowa.

UDDER-EASE promptly cures udder trouble. Send name and address for big 12-oz. \$1 can Udder-Ease, use it 15 days, then pay if satisfied. Write today. Mitch-Vetterow Pharm. Co., 329 E. A. Long Bldg., Kansas City, Mo.

I'll Rid Your Hogs of Lice FREE

Are your hogs lousy? Do they rub and scratch all the time? Are they thin and restless, with coarse hair and rough skin?

Just write me and I'll clean up those lice without its costing you one cent. I'll send you a Hog-Joy Oiler with a six months' supply of Hog-Joy Oil. You just put it in your hog pen—and watch those suffering hogs go to it.

30 DAYS FREE TRIAL Kills Every Louse

They will rub that wonderful vermin-killing oil all over their bodies. And every last louse and nit on them will be gone long before the 30 days. Then, if you don't want to keep the machine, just send it back. But you will want to keep it, for it not only kills the lice but keeps others away.

HOG-JOY SYSTEM OF SUCCESSFUL HOG RAISING

10,000 Hog-Joy Oilers now in successful use. The only hog-oiler that cannot clog up, get out of order or waste the oil. Works as well in winter as in summer. Five cents will keep a hog healthy and free from lice a whole year. Hog-Joy Oil keeps the skin soft and healthy and makes the coat fine and thick.

Write today for my offer to rid your hogs of lice absolutely free.

MAIL THIS NOW!

H. L. IDE, President Hog-Joy Co. 427 N. Fifth St., Springfield, Ill.

Please send me details of your offer to rid my hogs of lice free. This does not obligate me.

Name _____
Town _____
R. F. D. _____ State _____

"Hog-Joy Hogs Grow Fast"

SAVE 15 to 20% HOG FEED

with Meyer's Automatic Hog-Feed Grinder and Feeder. Hogs grind feed while rooting and feed themselves. Ground grain means more pork, less shrinkage. No waste. No trouble. Practically no attention.

Prevents Cholera

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Hogs grind their own feed

Meyer's Automatic Hog-Feed Grinder and Feeder

Capacity forty hogs. Hopper holds 20 bu. can grind any mixture or separate grain. Always operates—never clogs. Feed always fresh and dry. Hogs don't grind more than they eat—must eat slowly—every bit of feed goes to weight. Prove economy and profits on your hogs at our risk. "Meyer's Automatic" pays for itself in short time. Binding guarantee. No money unless fully satisfied—their own price. Write for particulars and FREE Trial Offer. Agents wanted.

30 Days Free Trial The Meyer Corporation 103 Main St. Morton, Ill.

PAID ADVERTISEMENT.

PAID ADVERTISEMENT.

Farmer Vitally Concerned in Railroads

WHAT THE EUROPEAN WAR MEANS TO THE AMERICAN FARMER

That every city of any size in the country is full of thousands of idle men at the present moment is a fact well known to every reader of newspapers—for hardly a day passes that the press is not full of comment about the hungry thousands who stand in the "bread line" and patronize the free "soup houses" in every large center of population. Nor is this state of affairs due to the policy of any particular political party, but rather the outgrowth of conditions which have been slowly but surely crystallizing for a number of years. In the first place, the Corn Belt—the great bread basket of the nation—has had a series of slim crops in most sections and this naturally has had a depressing effect upon business conditions. Again, we have been passing through a period of industrial readjustment—of changing from the loose methods which prevailed a dozen or so years ago over to a policy of strict government control of public service corporations and a sharp inquiry into the conduct of all other large corporations—and, in trying to stamp out the abuses of the past, the pendulum has swung so far in the other direction that so far as the railroads are concerned, at least, it threatens to precipitate the most of them which are not already in the hands of receivers upon the rocks of financial wreck and ruin.

That the depressed financial condition of the railroads is largely responsible for the great army of unemployed was vividly demonstrated by a prominent St. Louis newspaper the other day when it showed that nine St. Louis manufacturing establishments which deal in railroad supplies employed 14,673 men one year ago, whereas now they employ only 4,503, with a reduction in their pay rolls amounting to \$588,700 per month, or over seven million dollars a year. If the effect upon only nine enterprises is as far reaching as this, what would the figures show if they were available for similar industries and the hundreds of other enterprises affected in a greater or less degree throughout the country? Nearly all of these concerns have on hand hundreds of thousands of dollars' worth of finished equipment which was ordered by the railroads a year or so ago, but which they have not been able to pay for; in the meantime, not being able to pay for goods already ordered, the railroads are not placing any new contracts, and unless they receive speedy assistance from the Interstate Commerce Commission and the rate-making authorities of the different states the tendency will be for labor conditions to grow gradually worse rather than better.

In last week's article we referred to the fact that the railroads are the largest employers of labor in the United States and that during the last fiscal year they paid out over thirteen hundred million dollars in wages to the army of men and women who conduct their business. We also referred to the fact that they paid out almost a thousand million dollars for steel, coal, lumber and other supplies, of which they are the largest consumers in the country, and therefore the chief support of the hundreds of thousands employed in these great industries.

In view of these facts, is it not plain to any thinking man that it is of tremendous importance to the whole country that the railroads be permitted to earn a reasonable income if the millions of American laboring men are to be kept profitably employed?

Does not any man know that if the thousands who are this moment hunting for work in Chicago, St. Louis, New York, Pittsburgh, Cleveland and other large cities were profitably employed that it would mean a higher price for what the farmer has to sell and that it would be reflected in the receipts of

every merchant and the output of every factory in the nation?

In view of such a serious state of affairs, can the average farmer or business man afford to oppose the small increase in rates which is necessary to once more put the railroads upon a sound basis? Is not the amount of passenger fare or freight which the average farmer or other citizen pays out during the year a mere bagatelle when measured against the lucrative employment and the buying power of the millions of American laboring men?

ANOTHER SERIOUS PHASE.

Important as is the employment of labor, there is another very serious phase of this problem which calls for profound thought at the hands of all thinking citizens, and especially the farmer. In last week's article we cited the fact that in their desperate efforts to make both ends meet, many railroads are "burning the candle at both ends"—that in order to bolster up their securities and keep out of the hands of receivers the rolling stock and roadbeds of many lines have been deteriorating rapidly for a number of years and hence are in no position to handle a big season's tonnage, should the strain of a heavy crop year suddenly descend upon them. That the great foreign war will produce the highest prices ever known for the foodstuffs produced by the farmer is admitted on all hands, and if there ever was a time when he will need adequate and efficient shipping facilities it will be during the next two or three years—and yet we are actually facing perhaps the most prosperous period the American farmer has ever known with many American railroads in a dilapidated physical condition. No sooner had the great European war burst upon the world than Congress realized that our merchant marine was utterly weak and inefficient. Steps were at once taken to make the best of the situation and to repair as speedily as possible our neglected shipping facilities upon the high seas—and that the handicap has already cost the American people millions of dollars during the last few months is so patent that it requires no extended comment. It is one thing to have markets in all parts of the world which have heretofore been supplied by the great warring nations begging for American goods and foodstuffs—but it is quite another thing to have American ships in which to deliver these cargoes.

Will we now add to the neglect of an adequate merchant marine the further folly of permitting our railroads to get into such a weakened physical condition that they will break down under the strain of delivering the products of the farmer and the manufacturer at our ocean ports and thus largely waste the great opportunity for profit which the foreign war will unquestionably bring to us? This is a phase of the present situation which commands the serious thought of every farmer in Kansas and the Corn Belt generally—for here is where the lion's share of the nation's foodstuffs are produced and here is where farmers cannot afford to be hampered by inadequate transportation facilities if they are to make the most of favorable market opportunities.

There is not a single manager of a Central or Western railroad who will not admit that the present supply of first-class freight locomotives and box cars could not successfully meet the requirements of several bountiful crop years—and yet they haven't the funds with which to supply this equipment and thus be prepared for the emergency when it comes—as it undoubtedly will.

FARMERS WILL PROFIT.

In this connection, it is opportune to say that the American farmer is certain

to reap a larger profit from the chaotic conditions which exist in Europe than any other class of tradesmen or citizen. So far as our manufacturers are concerned, while new markets are undoubtedly beckoning to the United States, yet on the other hand, for several years to come, the splendid trade which we enjoyed in Germany, England, France, Austria and Russia on our manufactured products is certain to remain demoralized—and thus we will be fortunate if we do not lose more than we can hope to gain in new fields, with whose needs we are not yet familiar, and to which it is certain to require some years to adjust ourselves.

It is the American farmer, however, who has no complications ahead of him, and whose flour, pork, beef, mutton and other foodstuffs must be depended upon to make up the shortage which is already looming big in the distance because the harvest fields of the most fertile sections of Europe have been converted into a shambles for the contending armies. Exports of breadstuffs from the United States in November were valued at \$40,250,000, or almost four times as much as in November of last year, while meat and cattle exports amounted to nearly \$14,000,000, or a gain of over 20 per cent over last year, and this despite our miserable shipping facilities on the high seas.

In the light of these facts, was there ever a time when the farmers of Kansas and other Corn Belt states can view the future with as much assurance, or when they can so well afford to treat fairly every other great industry in the nation as now?

Putting it in the terms of sound business policy, was there ever a time when they should do their part to the end that American labor may be profitably employed in all the great channels of industry, and that our transportation system may be kept up to a high point of efficiency, so that it may adequately discharge the heavy shipping burdens which will undoubtedly descend upon it in the not distant future?

No other single agency in the nation has had more to do with the advancement of land values than have the railroads, and as evidence of this fact, the proximity of a farm to the market almost invariably fixes its selling value. Kansas and every other Central or Western state is still in dire need of hundreds of miles of additional railroad mileage, and these new lines will not be built until American railroad securities are re-established as a paying investment—and this, on the basis of present railroad earnings, is out of the question. Nearly all our present lines were built years ago, when railroad investments were looked upon with favor at home and abroad, and hence, if there is a class of citizens in the land who should be vitally interested in rescuing the railroads from the pitiable plight in which they find themselves at the present moment it is the farmer. As a matter of fact, were it not so tremendously far-reaching in its effect, the controversy over a slight increase in railroad rates in any great agricultural state would largely resemble a tempest in a tea pot—a matter which should be settled in the brief space of time required to apply the remedy. When a private industry, great or small, advances the price of its commodities we take it as a matter of course and say nothing about it—and in the past we have opposed a square deal for the railroads largely because the people did not understand their importance to the nation, because they were angered at occasional abuses which strict governmental regulation has forever eliminated and because for some years designing political opportunists have found abuse of the railroads an easy road to public preferment. That public sentiment, however, is changing rapidly and that we will soon reach a sane understanding between the people and the railroads, which are so vitally essential to the agricultural and commercial progress of every community in the nation, is becoming more and more apparent every day.

(To Be Continued Next Week.)

Why not a co-operative bakery in connection with the co-operative creamery?

Remove the shoes from the work horses as soon as they are turned out in the fall.

Lorimer of the Northwest

(Continued from Page 20.)

He looked at me keenly a moment, saying nothing, and it was always unpleasant to withstand the semi-ironical gaze of Colonel Carrington, though I had noticed a slight movement when quite at random I alluded to the uncertainty of life. Then he answered slowly:

"I think in that case we could discuss all this again, though it would be better far for you to consider my refusal as definite. Now I have such confidence in my daughter's obedience that on the one condition that you do not seek to prejudice her against me I do not absolutely forbid you seeing Miss Carrington—on occasion—but you must write no letters, and you may take it as a compliment that I should tell you I have acted only as seemed best in her interest. Neither should it be needful to inform you that she will never marry without my consent. And now, reiterating my thanks, I fail to see how anything would be gained by prolonging this interview."

I knew from his face that this was so, and that further words might be a fatal mistake, and I went out hurriedly, forgetting, I am afraid, to return his salutation, though when I met his sister she glanced at me with sympathy as she pointed toward another door. When I entered this Grace rose to meet me. The time we spent in the canon had drawn us closer together than many months of companionship might have done, and it was with no affectation of bashful diffidence that she beckoned me to a place beside her on the casement logs, saying simply, "You have bad news, sweetheart. Tell me everything."

Her father had exacted no promise about secrecy. Indeed, if the arrangement mentioned compromised a prospective husband, as I thought it did, Grace was doubtless fully acquainted with it; and I told her what had passed. Then she drew herself away from me.

"And is there nothing to be added? Have you lost your usual eloquence?" she said.

"Yes," I continued, "I was coming to it. It is this: While I live I will never abandon the hope of winning you; and, with such a hope, whatever difficulty must be grappled with first, I know that some day I shall do it."

"And," said Grace, with a heightened color, and her liquid eyes shining, "is there still nothing else? And while I glanced at her in a bewildered fashion she continued, "Do you, like my father, take my consent for granted? Well, I will give it to you. Ralph, while you are living, and after, if you must go a little before I do, I will never look with favor upon any man. Meantime, sweetheart—for, as he said, I will not resist my father's will, save only in one matter—you must work and I must wait, trusting in what the future may bring. And so—you must leave me now; and it may be long before I see you. Go, and God bless you, taking my promise with you."

She laid her little hand in mine, and I bent down until the flushed face was level with my own. When I found myself in the open air again, I strode through the scented shadows triumphantly. The Colonel's opposition counted as nothing then. I was sanguine and young, and I knew, because she had said it, that until I had worsted fortune Grace Carrington would wait for me.

THE OPENING OF THE LINE.

DURING the weeks that followed I saw neither Grace nor Colonel Carrington—though the latter fact did not cause me unnecessary grief, and we heard much about his doings. From what the independent miners who strolled into our camp at intervals told us, the Day Spring shaft had proved a costly venture, and had so far failed to lay bare any traces of payable milling ore. Still, the redoubtable Colonel continued with his usual tenacity, and was now driving an adit into the range side to strike the quartz reef at another level.

"There's a blamed sight more gold going into them diggings than they'll ever get out, and the man who is running them will make a big hole in somebody's bank account," said one informant meditatively. "However there's no use wasting time trying to give him advice. I strolled round one morning promiscuous, and sat down in his office. 'See here, Colonel, you're plowing a bad patch,' I says, 'and having a knowledge of good ones I might tell you something if I prowled through your workings.'"

"What did he say?" asked Harry, smiling at me. And the narrator ex-pectorated disgustedly as he answered:

"Just turned round and stared—kind of combine between a ramrod and an icicle. 'Who the perdition are you?' he said—or he looked it, anyway. So,

(Continued on Page 28.)

BIG BARGAINS IN REAL ESTATE

Dealers whose ads appear in this paper are thoroughly reliable and bargains worthy of consideration.

Special Notice

All advertising copy, discontinuance orders and change of copy intended for the Real Estate Department must reach this office by 10 o'clock Saturday morning, one week in advance of publication to be effective in that issue. All forms in this department of the paper close at that time and it is impossible to make any changes in the pages after they are electrotyped.

REAL ESTATE MEN, write for special land deal. Lock Box 166, Syracuse, Kan.

ALLEN CO. FARMS at owners' prices. Write for lists. R. L. Thompson, Iola, Kan.

240 A., 160 a. bottom, imp. 150 cult. Exchanges. Youngs Realty Co., Howard, Kan.

NORTHEAST Kansas farm bargains. Write for list. Compton & Royer, Valley Falls, Kan.

550 A. joins town; 160 a. 3 miles, well imp. Other bargains. Wm. Robbins, Thayer, Kan.

160 A. 1 mi. Thayer, well imp. Good list trades. Southeast Land Co., Thayer, Kan.

CATHOLIC Homeseekers, write for lists of lands. Andrew Burger, Burlington, Kan.

LAND in Nemaha, Marshall, Pottawatomie Cos. \$30 and up. T. E. Rooney, Seneca, Kan.

FARMS and ranches, northeast Kansas, \$35 to \$125 acre. Geo. Loch, Marysville, Kan.

CATHOLIC communities a specialty; send for list. C. F. Fouquet Inv. Co., Andale, Kan.

IMP. FARM Pottawatomie Co. \$35 per a. Write me. O. H. Martin, Severy, Kansas.

FREE! Illustrated booklet describing richest Co. in Kan. Hoxey Land Co., Columbus, Kan.

240 A. finest Kaw Valley bottom land, imp. Easy terms. J. M. Conlan, St. Marys, Kan.

A BARGAIN. 480 a. close in; good land, imp. Terms. J. F. Veran, Belpre, Kan.

KAW VALLEY and E. Kan. farms. Catholic community. T. J. Ryan, St. Marys, Kan.

SOME EXCELLENT income property in Kansas City to exchange for land. The Lakin Land & Immigration Co., Lakin, Kan.

FREE LISTS of Ness County grain, stock and alfalfa land. Fine land at \$10 to \$15 per a. Easy terms. West, Ransom, Kan.

1800 ACRES, 100 bottom, fine grass; good improvements, \$20 per acre. Good time but no trade. J. H. Price & Son, El Dorado, Kan.

TRACTS of 160 to 480 acres; smooth, raw wheat land close to good towns in W. Kansas and E. Colorado, \$4 an acre up, cash. Choice relinquishments cheap. Cash bargains all over Kansas and the Southwest. Christensen Realty Co., Hutchinson, Kan.

FOR SALE. One of the best 240 acre farms in Reno County, Kan., 2 mi. from good town. Soil black, sandy loam; level; good improvements. Close to school, R. F. D., etc. 200 a. now in crop. Write owner. M. G. H.—173, Copper Bldg., Topeka, Kan.

FOR BARGAINS in improved farms in Catholic settlements. Exchanges made. Write Frank Kratzberg, Jr., Greeley, Kansas.

HARPER COUNTY, Kansas. First class land, \$30 to \$45 per acre. Write us now. J. E. Couch Land Co., Anthony, Kansas.

IT'S \$10,000, best 240 in county, alfalfa land; 3 1/2 mi. town. Must sell; fair improvements. J. P. Donahue, Mound Valley, Kan.

GOOD, smooth wheat and alfalfa lands at \$15 to \$25 per acre. Write for price list, county map and literature. Floyd & Floyd, Ness City, Kansas.

160 A. 3 mi. Madison, improved; good water, 80 in plow. Price \$40. For further information and list write F. D. Stoughton, Madison, Kan.

80 A. 5 1/2 mi. Osage City; 35 a. cult., 5 a. clover, bal. native grass. Family orchard, good house and barn; plenty of water. Close to school and church. BARGAIN. \$3300; easy terms. Rosenquist & Renstrom, Osage City, Kan.

LOOK HERE. 110 acres, 3 1/2 mi. of town, good imp. Close to school and church. 40 in alfalfa, 30 bluegrass, bal. pasture. \$55 an acre. Send for list. Overman & Long, Melvern, Osage Co., Kan.

160 A. improved, 120 cult., 30 pasture. Windmill. Big hen house, good cellar. Mile to school. R. F. D. and phone. \$45 a. Terms. Thos. J. Stinson, Spearville, Kan.

FOR SALE. 640 acres improved ranch. 120 a. cultivation, bal. pasture. 75% tillable. Living water. Will consider income property for part purchase. Price \$25 per a. L. E. Pendleton, Dodge City, Kansas.

COFFEY COUNTY, EASTERN KANSAS. Good alfalfa, corn, wheat and tame grass lands. List free. Lane & Kent, Burlington, Kan.

MUST SELL. 320 a. improved, 9 miles from town; 320 per a. Fourth cash, balance back on land. E. W. Moore, Spearville, Kansas.

DON'T OVERLOOK this snap. 211 acres, 160 bottom, 65 a. cult. Choice alfalfa land, 35 a. meadow, bal. pasture. Adjoining farms priced at \$60 to \$75 per a. Price \$8,500 for quick sale. M. T. Spong, Fredonia, Kansas.

FOR SALE. 80 acres good farming land, 6 1/2 mi. southwest of Holton, Kan., Jackson Co. The west half of the southwest quarter of section 32, twp. 7, range 15. This is good corn land. For terms and price write W. A. Margrave Co., Preston, Neb.

3120 A. IDEAL RANCH—Adjacent to Ness Co., Kan. In compact body; 90% tillable; 1,000 a. bottom alfalfa land; rich soil; 600 a. in cultivation. Two sets imp. Can lease \$30,000, terms. For particulars address C. F. Edwards, Ness City, Kansas.

6% ON \$400 per a. investment for 42 a. improved, close to school, church, 3 miles of Ottawa, Kan. on route. 10 a. in alfalfa, 25 a. in wheat, 3 a. in pecans which made \$120 this year. Fruit, cistern, well in house. Price \$6500 until February only. C. F. Wirth, Ottawa, Kan.

80 ACRES smooth land, 3 miles town; 65 cultivation; 14 clover; 10 alfalfa; 2 walnut timber; 3 orchard; 8-r. house; cellar; barn; other buildings; Price \$90. Terms. 160 acres smooth land, 2 miles High School town; 12 clover; 15 blue grass; 35 wheat; good house; barn; corn-crib; 2 wells; Price \$9,000.00, \$3,000.00 down. 170 acres, 1 r-rile town; 140 cultivation; extra fine buildings; well-watered; Price \$70. Terms. 320 acres, 1 mile town; 140 cultivation; 70 meadow; 110 blue grass; 25 alfalfa; 20 clover; 9-r. house; basement; barn; large silo; other buildings. Price \$20,500.00. Terms. Write, Mansfield Land Company, Ottawa, Kansas.

FINEST RANCH IN KANSAS. 2360 acres in solid body, 400 first bottom land, 120 in alfalfa; large new buildings. Price \$30. Terms. Only 2 miles out. Guss Schimpff, Burns, Kansas.

LAND BARGAINS. Write for descriptions. Several of my own farms; can make terms to suit. C. W. Phillips, Greensburg, Kan.

KIOWA COUNTY

173-Acre Snap
Only 4 mi. Wichita; smooth black loam soil; good 9-room house, big barn, etc.; possession; \$5,000 cash, time on bal. R. M. Mills, Schwelger Bldg., Wichita, Kan.

SMOOTH FARM FOR SALE
160 acres smooth land near Colony, Anderson Co., Kansas, 80 acres hay, 80 under plow, good soil, small house and barn. Is offered at a snap, only \$5,900; no trade. Address J. F. Bessel, Owner, Colony, Kansas.

Chase County Farm
160 acres 3 miles from Saffordville and 12 miles from Emporia. 125 acres fine land under cultivation, balance meadow, pasture and some timber. 25 acres in alfalfa. 200 ton silo, 9-room house, stable, etc. Daily mail, telephone. \$11,000.00. Terms on half. No trade. J. E. Bocoock & Son, Cottonwood Falls, Kan.

EXCHANGES, all kinds; free list. Foster Bros., Independence, Kan.

WILL EXCHANGE all my fine grain farms for clear income. Tate, Howard, Kansas.

IMPROVED farms and ranches. City property for ex. Fugate Land Co., Lawrence, Kan.

CHOICE Nemaha Co. land. Catholic settlement. Sale or ex. J. B. Wood, Seneca, Kan.

WRITE for my large sale and exchange list. Jess Kiser, Garden City, Kansas.

LANDS and mdse. sales or exchs. made quick. Co-Operative Realty Co., Humansville, Mo.

BEST farm in Co. ex. hardware and building. Decker & Booth, Valley Falls, Kan.

A FINE 500 acre ranch, 60 miles from Topeka, to trade for smaller place. Theo. Voeste, Olpe, Kan.

200 A. IMP., 1/2 mi. R. R.; 80 a. good alfalfa land. Price \$50 a. Want mdse. Mtg. \$3,400. W. C. Bryant, Elk City, Kansas.

FOR SALE OR TRADE, telephone exchange. Owner will guarantee that it will pay \$300 a month over all expense. A. A. Murray, Westmoreland, Kan.

KANSAS LAND or income wanted for part or all of 158 residence lots in heart of Leavenworth; gas, water, etc. Value \$35,000. Owner, G. Lovett, 514 Northrup, Kansas City, Kan.

FOR EXCHANGE: 1st class 4 apartment modern flat located in Muskogee, Okla. Want good Kansas farm close to high school. For good exchs. and bargains see or write National Realty Exchange, 227 Court St., Muskogee, Okla.

160 FINELY IMPROVED; want Ray or Carrol Co., Mo., land. 160 or 200 a. R. M. McGinnis, Princeton, Kansas.

CITY AND TOWN PROPERTY TAKEN as part pay on GOOD FARMS. What have you? Address The Allen County Investment Co., Iola, Kan.

FOR TRADE. Good mill elevator and 10 room residence in good Eastern Kansas town; want land. E. W. Moore, Spearville, Kansas.

TO TRADE FOR MERCHANDISE—Two farms, 320 acres each, in good neighborhood, well located, both well improved, good quality land, one mile from church and school. Will trade clear or carry part on land. Address Chas. W. Ellsasser, Liberal, Kansas.

153 ACRES, FINE IMPROVEMENTS. 3 1/2 mi. Cherryvale; good black level land, large new house; good outbuildings. Free gas. \$10,000; half cash. Bowman Realty Co., Coffeyville, Kan.

FOR SALE. 160 acres of well improved land; 80 acres of growing wheat; 2 1/2 miles from Delta, Kansas. \$75 acre, \$2500 cash, bal. 10 years at 6%. Possession at once. Write Louis J. Masopust, Ellsworth, Kansas.

FARM AT AUCTION
20 Miles West of Hutchinson, Jan. 20. 320 acres wheat land, 340 fine wheat now growing, new improvements, 1/4 cash, balance time at 5 1/2 per cent. Write for particulars. John D. Snyder, Auctioneer, Hutchinson, Kan.

EASTERN KANSAS well, \$40.00; 80 a. improved, lays well, \$25.00. Exchanges made. T. K. Brockett, Pleasanton, Kan.

ANDERSON CO. FARM

160 a. fine land near Welda; well imp. Plenty of water, blue grass pasture; fine location. Price \$85 per a. Good terms. Might take small farm or sub. tract as part payment. Write for des. Iola Land Co., Iola, Kan.

Sedgwick County Farm Bargains

145 a. farm, good 7 room house, outbuildings, barn, 15 a. alfalfa, best of land, \$60 per a.; \$3,450 handles it.

160 a. farm, 9 room house, good barn, all good land, 30 a. alfalfa, 45 a. wheat goes. This snap, \$65 per acre.

320 a. wheat and alfalfa farm, fair improvements, level land, soil dark loam, only \$45 per a. 250 a. now in wheat. These 3 farms are great bargains. H. E. Osburn, 227 E. Douglass, Wichita, Kan.

GET RICH

320 acre Dairy Farm, 4 miles from town, Cloud County, Kansas. 125 acres growing wheat, 25 acres alfalfa, 50 head Dairy cattle, most registered; milk selling yearly contract \$2.25 per 100 lbs. 9 head of horses, mules, complete implements and tools, wagons and harnesses. New living house \$4500, cement silo, dairy barns, water system. Step right in, take it all for \$25,000, terms to suit. Address Dairy Farm, care Mail and Breese, Topeka, Kan.

NEBRASKA

WE GUARANTEE you bargains in stock farms and ranches. Write Willis Caldwell, Broken Bow, Nebraska, The Bargain Man.

FOR SALE OR EXCHANGE

TRY BIGHAM & OCHILTREE, they sell and trade farms and property. 802 Corby-Forsce Bldg., St. Joe, Mo.

59 LOTS, \$13,500 and 100 lots \$25,500, all in heart of Leavenworth; gas, water, etc. Trade any or all for Kan. land or inc. property. Owner, Harvey, 1321 E. 28th, K. C. Mo.

640 ACRES TREGO CO., Kan., fine grass; 75% smooth, tillable; 30 to 40 bushels wheat per acre on adjoining land this year. Figure for yourself. Price \$20 per acre. Mtg. \$2700; exchange for small farm, lumber yard, hardware or income and assume equal amount. Other exchanges. Weaver & Myers, Wakefield, Kansas.

IMPROVED 1/2 sec. close to good town in W. Kansas; 190 a. level in cult.; fine soil and water; \$6400, loan \$1000; also deeded land and choice relinquishments at Rocky Ford, Colo. Want clear income, small farm or mdse. We are headquarters for high or mdse. description first letter. Commission 2%. Christensen Realty Co., Hutchinson, Kan.

Buy or Trade with us—Exchange book free Bersie Agency, Eldorado, Kan.

FOR EXCHANGE

Improved half section not far from Wichita for hardware. H. C. Whalen, 413-14 Bitting Bldg., Wichita, Kansas.

List With Us

We have splendid farm and merchandise bargains everywhere. Hunter Bros., Independence, Kansas.

For Sale and Exchange

Northwest Missouri, Iowa and Nebraska choice farms; the greatest grain belt in the United States. Get my bargains. M. E. Noble & Co., St. Joseph, Mo.

Sale and Exchange

327 acres in Garfield Co., Okla., fine body land, 3 1/2 miles from railroad station, 14 miles from Enid, 200 acres in wheat, half to go with farm, magnificent country and neighborhood, fine farm for young man. Price \$17,500; incumbrance \$7500.00. Want 160 acres on sale. I own 160 acres in Bourbon Co., Kan., fine body land, fine neighborhood, on cross roads, timothy, clover, corn and alfalfa soil. Price \$12,000; incumbrance \$3000. Will take small farm or town property, on sale. H. CLAY BOWSHER, 4050 Broadway, Kansas City, Mo.

MISSOURI

WRITE Bedell & Co., Springfield, Mo., for prices on grain, stock and dairy farms.

STOP! Listen! 120 acre impr. farm \$900. Other farms. McGrath, Mountain View, Mo.

CHOICE Vernon Co. prairie farms. Easy terms. \$20-\$60 a. W. H. Hunt, Schell City, Mo.

FOR SALE: 90 at \$5,000; 160 at \$2500 and 85 at \$2000. Small payment down. J. B. Duvall, Lock Box 172, Butler, Mo.

1120 A. VERNON CO. Fine impr. 600 a. cult. Clear. Can borrow \$25,000. Price \$44,800. G. W. Dupue, Centerville, Kansas.

ATTENTION, FARMERS. If you want a home in a mild, healthy climate with pure water and productive soil and where land can be bought at a reasonable price write Frank M. Hammel, Marshfield, Mo.

60 ACRE FARM, partly gentle rolling, partly bottom; no rocks, no gravel. 35 a. clear, rest timber. 2 room box house; rest of improvements not much. Would make by work and some money good home. 2 miles from Naylor, Mo. \$15 per acre, any terms accepted. F. Gram, Naylor, Mo.

SOUTHEAST MISSOURI LANDS. If you want to become independent buy land in Scott county, Missouri, in the rich drained lands that raise anything and raise it certain. All we ask is a chance to "SHOW YOU." Prices very reasonable. Write for literature. F. S. Bice, Oran, Mo.

\$5 DOWN, \$5 monthly, buys 40 acres grain, fruit, poultry land; near town, some good oak timber. Price only \$200.00. Perfect title. Box 425 G, Carthage, Mo.

WRITE for booklet and lists on Ozarks. We have best dairy, poultry, and fruit country there is in the U. S. Pure water, short feeding months, grow all kinds of grasses. Have State Fruit and Poultry farms and large creamery located here. J. A. Wheeler, Mountain Grove, Mo.

WRITE for land list and tell us just what you want to buy or trade. Horton & Company, Hope, Arkansas.

IF INTERESTED in N. E. ARKANSAS farm and timber lands, write for list. F. M. Messer, Walnut Ridge, Ark.

FRUIT, grain and stock farms, all sizes, in Benton Co., Ark. Banner county of state; low prices and easy terms. Gentry Realty Co., Gentry, Benton Co., Ark.

345 ACRES; 75 acres fenced and 30 in cultivation; two sets of improvements and located in the heart of stock raising district; price \$10 per a. Write for list of bargains. Arkansas Investment Co., Stuttgart, Ark.

FOR SALE—60 acres fine land, 40 in cultivation; house, barn, outbuildings, orchard, fine water; two miles from good town; 13 from Little Rock. \$1,500; also 640 rich land unimproved, \$7.00 per acre. F. J. Ray, Bankers Trust Co., Little Rock, Ark.

FOR SALE—60 acres fine land, 40 in cultivation; house, barn, outbuildings, orchard, fine water; two miles from good town; 13 from Little Rock. \$1,500; also 640 rich land unimproved, \$7.00 per acre. F. J. Ray, Bankers Trust Co., Little Rock, Ark.

917 a. farm; best improved in Baxter Co. Barn 50x150, scales, extra good 9 room house, 300 acres in cultivation. All farming tools and threshing outfit. All for \$16,000. 160 acres 3/4 mi. to Haney, 60 a. in cultivation; good spring. Price \$1,600. 33 room hotel and furniture on a fine corner in Cotter. Will trade this for a farm in Kansas. Write for full description and price. A. T. Garth, Cotter, Ark.

Low Priced Ozark Land

FAMOUS N. W. ARKANSAS FRUIT BELT. 294 acres, house, barn, spring, 50 acres in cultivation, 8 acres bearing orchard, only \$7.50 per acre, half cash. 720 acres, unimproved, only 1 1/2 miles railroad town, will sell all or 40 acre tracts at \$10 per acre. Other tracts \$5 to \$15. Terms but no trades. These are rock bottom cash prices. Write for big list of real bargains. G. F. Mosher & Co., 19 E. 10th, K. C., Mo.

OKLAHOMA

FOR LISTS and prices N. E. Okla. farms, write Elliott & Mabrey, Fairland, Okla.

SPECIAL Oklahoma bargain list free. Some trades. Write Harvey Cox, Hooker, Okla.

F. M. TARBLETON & CO., will mail you list of farms in northeast Oklahoma. Write them. Vinita, Oklahoma.

120 A. BOTTOM and second bottom, 1 1/2 mi. R. R. town, this county. 60 a. cult.; all tillable. Corn made 40 bu. per a. this year. \$15.00 per a. Southern Realty Co., McAlester, Oklahoma.

OKLAHOMA LAND FOR SALE

Good land in Northeastern Oklahoma, which was part of the old Indian Territory, price from \$30 to \$35 per acre. Write for price list and literature. Agents wanted. W. C. Wood, Nowata, Okla.

TEXAS

YOU CAN OWN A FARM
With the rent you pay. Best land in famous corn and hog belt of Texas. Sold on rental terms. Crops the year round.
T. Kingston, Harlingen, Texas.

\$5.00 TO \$600.00 can be invested, and will earn 6% interest, and one-fourth (approximating 190%) of the profits made on lands purchased under a certificate issued and guaranteed by this corporation. Land is well located, in Galveston and Harris Counties, Texas, near the cities of Houston and Galveston, for subdivision and improvement. Texas Mutual Development Corporation, 114 Security Building, Galveston, Texas.

TEXAS RANCHES

Texas ranches, in any size you want, in any part of the state, also colonization tracts. Years of experience in handling farm lands and ranches. Inspection reports made on Texas property. Have a few good tracts that owners will accept part in good trade. Greatest demand in the history for Texas ranches. In writing, state size of tract you want. J. Walter Day, Kansas City, Mo., 215 Finance Bldg. Home-Main 5108.

FREE EXCURSION TO LAND BUYERS

Farmers and investors should investigate our "Houston District" Gulf Coast lands. 100 choice propositions. Some especially well located. Some especially low priced. All near the great market city of Houston, Texas. Write us for information and printed matter. We can make you money.
E. S. ALLISON LAND COMPANY,
Houston, Texas, Beatty Building.
Kansas City, Mo., 922 New York Life Bldg.

GOOD LAND The Best Investment A BARGAIN

Winter garden Artesian Valley land, one to four sections. Dimmit Co., Tex. Best all rich, deep, tillable soil; no poor or waste. Choice of 40,000 acres covered now with green grass instead of snow and frozen ground. This land will grow in winter, vegetables, onions, strawberries, etc., that will pay double any wheat crop on \$200 land in Kansas. Mesquite timber will almost pay for it. Two railroad stations close. I guarantee this as good as any \$50 or \$150 land in this county or Rio Grande Valley. I need money; will sell at half value. Worth \$50, will take \$25 per acre, half cash. 5 per cent discount for all cash. Owner, W. S. CHANEY, 307 WEST PARK AVENUE, SAN ANTONIO, TEXAS.

MINNESOTA

SETTLERS WANTED for clover lands in central Minnesota. Corn successfully raised. Write Asher Murray, Wadena, Minn.

CORN AND CLOVER FARMS near Twin City markets. No drought. Ask for descriptions. \$25 to \$75 per acre. Carter Land Co., Near Union Depot, St. Paul, Minn.

RICH FARM LANDS in Minnesota Red river valley, where corn, alfalfa, potatoes, and clover flourish. Ideal stock country. Rain-fall 28 inches. Crop failures unknown. Prices very low. Write N. S. Davies, Sec'y Minnesota Red River Valley Development Ass'n, Crookston, Minn.

Upper Wisconsin Best dairy and general crop state in the Union; settlers wanted; lands for sale at low prices on easy terms; ask for booklet on Wisconsin Central land grant; state acres wanted. If interested in fruit lands, ask for booklet on apple orchards in Wisconsin. Address, Land Department, Soo Line Railway, Minneapolis, Minnesota.

FINANCING THE FARM PURCHASER

The new conditions existing have influenced us to plan a new diversion in the process of selling farm lands. Better in a thousand ways for the renter who wishes to acquire a home of his own, than it was for his forefathers when they took up homesteads under the old pioneer conditions. We offer eighty or one hundred sixty acre farm plot in Minnesota or North Dakota, in a well settled, prosperous community on our "Half Earnings" plan. A sensible and practical way of enabling the renter to buy a home without specific obligations as to deferred payments. Under this plan he has everything to win and practically nothing to lose. At present we are offering only a few choice farm plots. Full particulars will be furnished upon request.
Great Northern Land & Stock Co.,
310 Commerce Bldg., St. Paul, Minn.

BUY AN OZARK STOCK FARM

Many Ozark farmers are making money raising hogs, cattle and chickens. The fine open winters make it unnecessary to provide expensive quarters and the stock can range nearly the entire year. There is little disease in the Ozark region. A few good brood sows, cows and hens will soon pay for an Ozark farm. Any of the following firms can sell you such a farm. Write them for literature.

320 ACRES, 1 1/2 miles Lebanon; well improved. Price \$55 per acre. No trades.
Stillwell Land Co., Lebanon, Mo.

FRUIT and timber, clover and bluegrass land \$10 to \$25. Write for lists. South Missouri Land Co., Mountain View, Mo.

WHITE RIVER CLUB sites on lake. Farms, ranches, city property; mineral, fruit, poultry land. White River Realty, Branson, Mo.

480 A. STOCK RANCH, Estanchia Valley, N. M. Valley land, well imp., \$9,600. Near R. R. Want income. F. M. & C. G. Morgan, Springfield, Mo.

Mr. A. R. Code, Land Sales Manager
Edward Hines Farm Land Co.
1324N Otis Bldg., Chicago, Ill.
Dear Sir—Send me the facts about "Upper Wisconsin—the Clover Land of America"—prices, terms, etc.

Name

P. O.

State

St. No. or R.F.D.



Virgin farms for lucky "first come" farmers

Get the whole story. Learn the amazing facts about this "Clover Land of America"—the coming Dairy Section of Upper Wisconsin.

Send back the coupon tonight and we will come right back with complete information founded on facts, not theory. Last Spring we offered 10,000 acres of virgin farm land in Upper Wisconsin. We were able to make exceptionally low prices and easy terms because we bought this land for the timber, from which we took our profit. The way in which these farms were snapped up was a revelation to us. This season we are placing on the market a similar tract on even more attractive terms. Wisconsin is one of the richest farm states in the Union—with soil that maintains its great fertility after seasons of producing. Here in this beautiful valley—where nothing has grown but timber—the soil is in a practically virgin state. The climate is such that you can grow everything you have been accustomed to the best advantage. You don't have to learn new things or accustom yourself to new conditions. The climate is just to the liking of every farmer who delights in moderate extremes, that insures perfect maturity of crops. In the adjacent sections are communities that offer splendid educational, religious and social opportunities.

The C. St. P. M. & O. Ry. crosses the very heart of these lands. The problem of markets and distribution is solved for you. Roads are good winter and summer. This second 10,000 acres has just been offered and the land lays there all ready for the fortunate ones to come in and help themselves.

An 80-acre farm started today in this "Clover Land of America" will produce in a few years enough to make you financially independent. Look what adjacent land has actually produced: 350 bu. Potatoes per acre, 60 bu. Oats per acre, 65 bu. Barley per acre, 45 bu. Wheat per acre, 3 1/2 tons hay from a five-acre tract. (8 cuttings one season).

Send Back the Coupon Quick!

Send coupon right now and let me place the facts in your hands. I will send you the illustrated book with full particulars, maps, descriptions, low prices and easy terms. Also booklet containing letters from a number of men who bought last year, also farm scenes on adjacent lands.

Upper Wisconsin
"The Clover Land of America"

A. R. Code, Land Sales Mgr., Edward Hines Farm Land Co., 1324N Otis Bldg., Chicago, Ill.

WISCONSIN

30,000 ACRES cut-over lands; good soil; plenty rain; prices right and easy terms to settlers. Write us. Brown Brothers Lumber Co., Rhinelander, Wis.

WONDERFUL BARGAIN FOR QUICK DEAL! Level black loam farm, 290 acres. 1/4 mile railroad town. Elegant large, up-to-date buildings, all farm machinery and 100 tons of hay. Only \$85 per acre on easy terms. Harry D. Baker, President, Polk County Bank, St. Croix Falls, Wis.

COLORADO

FOR BEST 320 acre three year Homesteads, see or write Warren Musgrove & Co., Lamar, Colo.

CHOICE farm lands, Elbert County, near Limon, \$8. Direct from owner. MUST SELL. T. H. Hagen, Board of Trade, Duluth, Minn.

FOUND—Homestead near Ft. Morgan. 320 acres rich farm land, not sand. Price \$200, filing fees and all.
J. A. Tracy, Ft. Morgan, Colo.

Good Quarter For Sale

Near LAMAR, COLO. Milk Condensary, nearly all in alfalfa, plenty water, big yielder.—Will sell an eighty separate.
SWEET & COE, Owners, Hutchinson, Kas.

NEW YORK

McBURNAY'S N. Y. improved farms are worth twice the selling price of \$40 to \$75 per a. Send for free list. Address McBurnay & Co., Bastable Block, Syracuse, N. Y., or Western Office, 703 Fisher Bldg., Chicago, Ill.

FLORIDA

AGENTS WANTED in every town to sell Grapefruit, Orange and Trucking land in the famous Peace River Territory, DeSoto County, Florida. Write for information. Peace River Groves Company, Fifth Floor State Bank Bldg., Omaha, Neb.

Own a Fruit and Truck Farm

We will sell you 10, 20 or 40 acre tract in our Peace River District, DeSoto County, Florida, with very small down payment and balance in monthly installments. Price \$32 to \$65 per acre. Our lands lie amongst improved groves producing \$300 to \$500 per acre each year. Excursions every first and third Tuesday. For particulars address PEACE RIVER GROVES COMPANY, Fifth Floor State Bank Bldg., Omaha, Neb.

Why not go to Balmy Florida?

And get the greatest enjoyment in farm life. Delightful climate year 'round. Continuous growing season. Three crops on same land each year. Bountiful yields. Markets near, and good prices. High, level, rich loam soil. Healthful. No swamps or malaria. A settled locality, with near neighbors, schools and Churches. On main Auto highway. Two miles from substantial town on main line R. R. Daily mails, telephones and all conveniences. No pioneering. Native grass and forage crops with abundant water for cattle and hogs. No expensive winter shelter. Ideal section for stock, poultry and general farming. The best soil in the South for potatoes, maturing at the season of highest prices. Strawberries very successful. Fruits of all kinds for home needs. And think of it; ten acres of such land for the price of one in the North can be bought on long time and easy payments. Ask for further information. Address E. A. Heberd, 1302 E. 53rd St., Chicago, Ill.

Land Seekers Excursion

every first and 3rd Tuesday in each month to DeSoto County, Florida. Go with us and see this wonderful country and the great opportunities it offers the man of moderate means to get a home and independence. Write for our literature; it gives facts showing the advantage our lands offer the stockman, dairyman, farmer, winter gardener, fruit grower and poultryman. We do not ask you to buy this land without seeing. 103 improved farms throughout the tract proving conclusively what it will do.

NEW HOME REALTY CO.

1307 Commerce Bldg., Kansas City, Mo.

CALIFORNIA

MAGNIFICENT TRACTS

In the heart of the Sacramento Valley on the famous Bidwell Ranch for sale on easy terms. Prunes, peaches and almonds, located within a mile of a city of 18,000 people. The finest soil in California, a rich garden loam, noted for its production of fine fruit. Write for descriptive literature. Bidwell Orchards, Inc., Chico, Calif.

NEW MEXICO

IRRIGATED FARMS and ranches for sale or trade. Most healthful and mild climate. Plenty of pure water. "No trouble to answer questions."
Braley & Ball, Portales, New Mexico.

NORTH DAKOTA

BEST DEAL ON BEST SOIL in rain belt. Wadsworth, Langdon, N. D.

Save Orchards From Rabbits

You don't want that new orchard girdled by rabbits this winter, do you? Right now is the time to prevent this from happening, and galvanized wire screening is the solution suggested by F. S. Merrill of the horticultural department of the Kansas Agricultural college.

The screening needs to be fastened with wires and should extend from the lower branches to 5 or 6 inches below the ground. In this way the ravages of field mice are avoided. Several experiments at the college have shown that trees protected in this manner are also protected from the borers.

There are other methods of protecting the trees from rabbits, such as using ill tasting solutions of soap or Paris green, but although they prevent the rabbits from killing the tree they do not form a permanent protection or prevent the work of the borers.

Use Printed Letterheads

It has been more than two years since I became the owner of a typewriter, and I have not paid a cent for repairs. It has required very little attention outside of a small adjustment or two which I readily accomplished and I am no typewriter expert. I had no difficulty in learning to write with it. I use only the two finger method, but can write faster on the machine than with a lead pencil. I notice that most of the advertisers that I answer are more prompt since I use a typewriter.

It should not be necessary to mention that every farmer should name his farm and have stationery printed bearing the farm name, yet 99 per cent of the farmers neglect this chance for advertising. Hiawatha, Kan. A. C. Dannenberg.

Agriculture is the main spring of progress.

FARMERS CLASSIFIED PAGE

Advertisements will be inserted in this department for 5 cents a word each insertion for one, two or three insertions. Four or more insertions 4 1/2 cents a word each insertion. Remittances should preferably be by postoffice money order. All advertisements are set in uniform style. No display type or illustrations admitted under any circumstances. Each number or initial counts as one word. Guaranteed circulation over 110,000 copies weekly. The rate is very low for the large circulation offered. Farmers Mail and Breeze is the greatest classified advertising medium in the farm paper field. It carries the most classified advertising because it gives the best results. Here is a splendid opportunity for selling poultry, livestock, land, seeds and nursery goods, for renting a farm, for securing help or a situation, etc., etc. Write for proof that it pays. Everybody reads these little ads. Try a classified for results.

POULTRY

PLYMOUTH ROCKS.

BARRED ROCK COCKERELS \$1 AND \$2 each. M. Burton, Haddam, Kan.

BUFF ROCK COCKERELS FOR SALE. D. C. Baumgartner, Halstead, Kan.

THIRTY WHITE ROCK COCKERELS, \$2.00 each. J. C. Bostwick, Hoyt, Kan.

BUFF ROCK COCKERELS FOR SALE. William A. Hess, Humboldt, Kan.

ONE HUNDRED WHITE ROCKS FOR sale. W. T. Blackwill, Quinter, Kan.

BUFF ROCK COCKERELS, PURE BRED. E. L. Stephens, Garden City, Kan.

CHOICE BARRED ROCK COCKERELS \$2 each. J. H. Clayton, Marietta, Kan.

WHITE ROCK COCKERELS. PRICE \$1.50 to \$2.00. S. M. Chestnut, Holton, Kan.

BUFF ROCK COCKERELS, \$1.50, \$2.00, \$5.00. Mrs. M. E. Stevens, Humboldt, Kan.

BIG TYPE BARRED ROCKS. SHOW birds and breeders. A. H. Duff, Larned, Kan.

GUARANTEED BARRED ROCK COCKER- els, \$2.00 each. Harry Cummins, Toronto, Kan.

BARRED ROCK COCKERELS, \$1.50 AND \$2.00 each. Dave Baker, Conway Springs, Kansas.

FOR FINE BARRED ROCK COCKERELS inquire of Wm. C. Mueller, Route 4, Hanover, Kan.

BIG BARRED ROCK COCKERELS, \$1.50 each. 6 for \$7.50. Chas. Cornelius, Blackwell, Okla.

BARRED ROCK COCKERELS, WELL barred. \$1.50 each. Mrs. John M. Blough, Bushong, Kan.

BUFF ROCKS, WEIGHERS, LAYERS. Prices reasonable. Mrs. Lloyd Clark, Hazelton, Kan.

PURE BRED BARRED PLYMOUTH ROCK cockerels, \$1.00 to \$5.00 each. Mrs. C. N. Bailey, Lyndon, Kan.

BUFF ROCKS; PURE, COCKERELS \$2.50 each. Pulletts \$12.00 doz. Mrs. Ike Saunders, Elk City, Kansas.

HIGHEST QUALITY "RINGBARD" ROCKS. Males, females. Bargains. Mrs. Edward N. Hall, Junction City, Kan.

MCCARTHY'S BARRED ROCKS. CHOICE farm raised cockerels \$2 each. Mrs. Dan McCarthy, Newton, Kan.

FOR SALE—PURE BRED BUFF ROCK cockerels. Write me for prices. R. Houdyshell, Pawnee Rock, Kan.

WEIGHER-LAYER BARRED ROCKS, 106 premiums. Early cockerels \$2.00 up. W. Opfer, Clay Center, Kansas.

PURE BARRED ROCK COCKERELS. Twenty years' experience. Mrs. Alice Illian, Lawrence, Kan., R. 4.

BARRED ROCKS, WINNERS EVERY- where. Cockerels, cockerel bred, \$3.00-\$7.00. Chas. Colten, Valley, Neb.

PURE BARRED ROCK COCKERELS. Fine, big boned, early, \$1.00 each. Mrs. George P. Field, Randall, Kan.

PURE BRED WHITE ROCK COCKERELS and young hens \$1.00 each or \$10 per dozen. Mrs. L. S. Whitney, Fairview, Kan.

BARRED ROCKS—25 FINE COCKERELS, 60 pullets. Best of breeding and quality. \$1.00 each. G. M. Shepherd, Lyons, Kan.

30 WHITE ROCK COCKERELS DURING January \$1 and \$2 each. Excellent show record. Nellie McDowell, Garnett, Kan.

WHITE ROCKS, BIG BONED, SNOW white. Prize winners. Cockerels \$1.50 to \$5.00 each. Mrs. Ben Miller, Newton, Kan.

THE NEXT 30 DAYS WILL SELL MY Barred Rock cockerels \$2.00 each; good laying strain. Mrs. John Yowell, McPherson, Kan.

TWO BREEDS—PURE BRED BARRED and White Plymouth Rock cockerels and pullets from prize winners. H. F. Hicks, Cambridge, Kan.

THOROUGHbred BARRED PLYMOUTH Rock cockerels, pen mated, farm raised. Price \$2.00 and \$3.00 each. Mrs. James Aitken, Severy, Kan.

QUIT BUSINESS SALE, PRIZE WINNING B. Rocks, for next 30 days. Ckls. \$2-\$5; females \$1.50-\$2.50. Order quick. Mrs. Chris Bearman, Ottawa, Kan.

PLYMOUTH ROCKS THAT ARE BARRED. Cockerels for sale, both matings, bred from Kansas State and Federation show winners. C. V. La Dow, Fredonia, Kansas.

BARRED ROCKS EXCLUSIVELY. A FINE lot of top notch farm raised cockerels \$2.50 to \$5.00. Also a few choice hens and pullets \$1.50 and \$2.00. L. P. Nichols, Kirwin, Kan.

100 ROYAL BLUE RINGLET BARRED Rock cockerels and pullets, scoring 91 1/2 and better. Write for prices and description today. A. L. Hook, North Willow Poultry Ranch, Box 456, Coffeyville, Kan.

PLYMOUTH ROCKS

WHITE ROCK COCKERELS FROM PRIZE winning stock. \$2.00 to \$3.00. Photo free. Mrs. John Ramsey, Fort Scott, Kansas.

BARRED ROCKS—BACK AGAIN WITH some dandy good ones. Cockerels \$1.50 to \$3.00. Pulletts \$1.00. Mated pens of choice pullets and cockerels at reasonable prices. James H. Parsons, Quinter, Kan.

ONE HUNDRED RINGLET BARRED ROCK cockerels for sale. Both matings. Barred to skin. Prices \$1 to \$5. Write me your wants quick. Only thirty days' luck. M. P. Thielen, Barred Rock Fancier, Lucas, Kan.

FIFTEEN WHITE ROCK HENS AND thirty select pullets at \$1 and \$1.50. Twenty choice cockerels at \$2 and \$3 each. All sired by first cock and first cockerel of Missouri State Show. D. J. Ward, R. 7, Severance, Kan.

BARRED ROCKS. 300 BIRDS FOR IM- mediate shipment. We lead, others follow. Won more prizes at Southwestern show than any other exhibitor. Vice Pres. and Sec'y of State Barred Rock Club. Fred Hall, Lone Wolf, Oklahoma.

LEGHORNS.

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

S. C. W. LEGHORN COCKERELS, \$1. MRS. Mamie Immer, Mullinville, Kan.

R. C. W. LEGHORN ROOSTERS \$1 EACH. F. W. Cornell, Wakefield, Kan.

SINGLE COMB BROWN LEGHORN COCK- erels. C. A. Lucas, Route, Lewis, Kan.

CHOICE S. C. WHITE LEGHORN COCK- erels, one dollar. John Bradley, Garnett, Kan.

R. C. W. LEGHORN COCKERELS, \$1 each or 6 for \$5.00. Mack Posey, Larned, Kan.

S. C. BROWN LEGHORN COCKERELS \$1.00 each. 6 for \$5.00. Mrs. F. E. Tonn, Haven, Kan.

PRIZE ROSE COMB WHITE LEGHORN cockerels, six for \$5.00. A. G. Dorr, Osage City, Kan.

S. C. W. LEGHORN COCKERELS, LAY- ing strain. Pure white. Mrs. Lydia Fuller, Clyde, Kan.

PURE ROSE COMB BROWN LEGHORN cockerels, \$1. Satisfaction guaranteed. E. M. Phillips, Tescott, Kan.

SINGLE COMB WHITE LEGHORNS. Choice lot of cockerels at 6 for \$5.00. Alex Spong, Chanute, Kan.

MY FAMOUS S. C. W. LEGHORNS WIN everywhere. Cockerels and pullets, \$1 up. Geo. Patterson, Lyndon, Kan.

S. C. W. LEGHORN COCKERELS FROM prize winning stock. \$1.00. Six for \$5.00. Chas. McFadden, Morland, Kan.

ROSE COMB BROWNS THAT WON THE blues at Hutchinson State Fair. \$1.00 and upwards. Otto Borth, Plains, Kan.

CHOICE THOROUGHbred ROSE COMB Brown Leghorn cockerels \$1 each if taken soon. Earl McKeever, Sharon, Kan.

S. C. W. LEGHORN COCKERELS, D. W. Young strain. Bred from Young's first pen. \$1.00. G. W. Buck, Larned, Kan.

PURE SINGLE COMB WHITE LEGHORN cockerels, \$1.50 each. Satisfaction guaranteed. John Walters, Fall River, Kan.

FOR SALE—HIGH SCORING S. C. W. Leghorn cockerels. Official score card with each bird. E. L. M. Benfer, Leona, Kan.

PURE BRED SINGLE COMB BROWN Leghorn cockerels for \$1.50 to \$2.50. Best laying strain. Satisfaction guaranteed. R. Merideth, Kiowa, Kan.

250 YOUNG'S STRAIN S. C. WHITE LEG- horn cockerels. \$2 each and up. Best laying and exhibition strain on earth. Satisfaction or money back. White Wing Poultry Farm, Box D, Perry, Iowa.

S. C. BROWN LEGHORN AND WHITE Rock cockerels. I won 1st on cockerel, 1st on pullet, 1st on pen, State Fair. Same at Bucklin, Meade and Liberal. \$1.50 up. Yours for business. H. N. Holdeman, Meade, Kan.

LANGSHANS.

WHITE LANGSHAN COCKERELS, WM. Wischmeler, Mayetta, Kan.

BLACK LANGSHAN COCKERELS \$2.00. Minnie Manley, Meriden, Kan.

WHITE LANGSHAN COCKERELS, EGGS in season. Mattie Rowe, Lane, Kan.

BLACK LANGSHAN COCKERELS, SCORED by Rhodes. Martha Haynes, Grantville, Kan.

WHITE LANGSHANS, GUARANTEED. Write Mrs. Howard Erhart, Independence, Kan.

BLACK LANGSHAN COCKERELS AND pullets. Best of breeding reasonable, if taken soon. W. S. L. Davis, Nickerson, Kan.

PURE BLOOD BLACK LANGSHAN COCK- erels; scored; of the Iowa strain; guarantee satisfaction. Chas. Leeper, Harper, Kan.

30 BLACK LANGSHAN CKLS. AT \$1.00 TO \$3.00 each. Positively no better Langshans bred. J. A. Lovette, Poultry Judge, Mullinville, Kan.

TURKEYS.

PURE BOURBON RED TURKEYS. FAY Egy, Turon, Kan.

WHITE HOLLAND TURKEYS. PRICES free. Grace Garnett, Marion, Mo.

MAMMOTH BRONZE TURKEYS. MRS. O. H. Browning, Unlontown, Kan.

PURE BRED BOURBON RED TURKEYS. John Carroll, R. R. 2, Lewis, Kan.

LARGE BOURBON RED TURKEYS FOR sale by W. H. Oliver, Reger, Mo.

PURE BOURBON RED TOMS \$4.00, HENS \$3.00. V. E. DeGeer, Deerhead, Kan.

EXTRA GOOD MAMMOTH BRONZE TUR- keys. Mattie Peasley, Soldier, Kan.

THOROUGHbred MAMMOTH BRONZE turkeys. Letha Parkhurst, Plainville, Kan.

168 WHITE HOLLAND TURKEYS, UN- related stock. Mary Culver, King City, Mo.

WHITE HOLLAND TURKEYS, TOMS \$3.00, Hens \$2.00. Mrs. Ed Dorr, Mahaska, Kan.

NARRAGANSETT TURKEYS, HENS AND toms. Mrs. S. W. Rice, Wellsville, Kan.

THOROUGHbred BOURBON RED TUR- keys. Toms \$4. Mrs. G. A. Newell, Milan, Kan.

BOURBON RED TOMS, VERY LARGE; dark red. Mrs. Elmer Weaver, Piedmont, Kan.

LARGE, FULL BLOOD BOURBON RED turkeys for sale. Emma Lamb, Havana, Kan.

PURE BRED BOURBON RED TURKEYS. Prices reasonable. Mrs. Ross Egy, Turon, Kan.

FINE BOURBON RED TURKEYS; PRICE reasonable. Hattie Hart, Eureka, Kan., R. 2.

MAMMOTH BRONZE TURKEYS, HENS \$3.00. Toms \$5.00. D. C. Lamb, Richland, Kansas.

EXTRA GOOD MAMMOTH BRONZE TUR- keys. No eggs. Mrs. G. L. Mathews, Kinsley, Kan.

EXTRA LARGE, PURE WHITE HOLLAND toms \$4.00, hens \$2.50. Mrs. Will Jones, Wetmore, Kan.

THOROUGHbred BOURBON RED TUR- keys. Toms \$4. Hens \$3.00. James Butler, Glasco, Kan.

BIG BONED PURE BRED BOURBON turkeys. Unrelated trios. Mrs. Sam Clark, Hazelton, Kan.

FULL BLOOD BRONZE TURKEY TOMS, \$4.00. Hens \$2.50. Mrs. Roy Brubaker, Dexter, Kan.

TURKEYS—WHITE HOLLAND, EITHER sex. Write me your wants. Andrew Kosar, Delphos, Kan.

PURE BOURBON RED TURKEYS, 20 LB. toms \$3.50. 12 lb. hens \$3.00. W. H. Surber, Peabody, Kan.

THOROUGHbred BRONZE TURKEYS. Toms \$5.00, weight 25 lbs. Mrs. C. L. Worley, Utopia, Kan.

MAMMOTH BRONZE TURKEYS FOR SALE. Sire prize winner, weight 50 lbs. L. R. Wiley, Elmdale, Kan.

THOROUGHbred BOURBON RED TUR- keys. Tom \$3.50. Hens \$2.50. Mrs. H. Passmore, Wayne, Kan.

WHITE HOLLAND TURKEYS, RIGHT weights, good markings, right price. Wm. Turley, Bancroft, Kan.

BOURBON RED TURKEYS, TOMS \$4, Hens \$3. Non-related trios \$9. Eggs \$3. H. B. Humble, Sawyer, Kan.

BOURBON RED TOMS \$4.00. AFTER FEB. 1st \$5.00. Eggs in season 25c each. Mrs. F. B. Tuttle, R. 2, Chanute, Kan.

BOURBON RED TURKEYS, EARLY- hatched, large bone, good color. Toms \$4; hens \$3. A. M. Farmer, Pratt, Kan.

THOROUGHbred BOURBON RED TUR- keys. Large bone. Hens \$3. Toms \$4. Mrs. Russ Robinson, Centralia, Kan.

BOURBON RED TURKEY TOMS, \$4. BUFF Orpingtons, ducks and roosters. Mrs. Bert Patterson, Independence, Kan., Rt. 7.

LARGE WHITE HOLLAND TURKEYS. Extra large, fine and healthy. Toms \$5.00. Hens \$4.00. Chas. W. Zabel, Wetmore, Kan.

PURE BRED MAMMOTH BRONZE TUR- keys, quality good, healthy stock. Toms \$5, hens \$3. Mrs. Homer Rawlings, Eureka, Kan.

PERKINS'S BRONZE TURKEYS HAVE won more prizes wherever shown than all others combined. No better blood in America. G. W. Perkins, Newton, Kan.

MAMMOTH WHITE HOLLAND TURKEYS, sired by a 40-pound tom at 18 months. Toms \$5.00. Hens \$4.00. Trio \$12.00 while they last. W. E. Monasmith, Formoso, Kan.

THOROUGHbred MAMMOTH BRONZE turkeys from state show first prize winning stock for generations. At Kan. State Poultry Federation show at Independence, Dec. 1913, won first, second and third ckls. first, second and fifth hen and first and second pullet. Mrs. James Aitken, Severy, Kan.

WYANDOTTES.

WHITE WYANDOTTE COCKERELS. Alvin Miller, Overbrook, Kan.

WHITE WYANDOTTES—SILVER CUP winners. A. C. Akey, Belleville, Kan.

WHITE WYANDOTTE COCKERELS \$3 each. Margaret Ribeau, Twin creek, Kan.

BUFF WYANDOTTE COCKERELS \$1.00 each. Mrs. Mitch Lowe, Pierceville, Kan.

WHITE WYANDOTTES, GUARANTEED. Write Mrs. Howard Erhart, Independence, Kan.

GOLDEN WYANDOTTE COCKERELS scoring to 94. D. Lawver, Route 3, Weir, Kan.

GOLDEN WYANDOTTES, WINNERS AT Topeka State Show. M. M. Donges, Belleville, Kan.

WHITE WYANDOTTE COCKERELS, EX- tra good. \$2 to \$4. Ideal Poultry Yards, Wayne, Kan.

WHITE WYANDOTTE COCKERELS—FINE large heavy bone fellows. Andrew Kosar, Delphos, Kan.

EXTRA CHOICE WHITE WYANDOTTE cockerels, \$1.50. Pure bred. Frank Mayer, Marysville, Kansas.

PARTRIDGE WYANDOTTE COCKERELS \$1.50 to \$3.00 if taken at once. DeBusk Bros., Macksville, Kan.

WHITE WYANDOTTE COCKERELS. Scored. Range raised. \$1.50 to \$5.00. F. S. Teagarden, Odell, Neb.

FOR SALE: THOROUGHbred PART- ridge Wyandotte cockerels. Address Rebecca Jones, Lyndon, Kansas.

QUALITY WHITE WYANDOTTES, COCK- erels, pens. Trios. Write for prices. Mrs. M. E. Johnson, Humboldt, Kan.

GOLDEN WYANDOTTE COCKERELS. Special price for quick sale. Geo. W. Shelley, R. No. 2, McPherson, Kan.

FOR SALE: SILVER LACED WYANDOTTE cockerels; early hatch, large boned. Write for prices. W. E. Tilley, Irving, Kan.

ROSE COMB GOLDEN WYANDOTTE cockerels \$1.00 and \$1.50 per head. Farm run. Exclusively raised. Eggs in season. C. Folgate, Stanberry, Mo.

SILVER WYANDOTTES EXCLUSIVELY. Farm raised. Tarbox strain. From prize winning stock. Choice cockerels \$1.50, \$2.00, \$2.50, \$3.00. Mrs. Edwin Shuff, Plevna, Kan.

COCKERELS—WHITE WYANDOTTES EX- clusively. Early March hatched; large, vigorous; breeders; Rose Comb, pure white; \$3 and \$5 each. Snowflake Poultry Farm. Mrs. H. S. Tonemaker, Beatrice, Neb.

ORPINGTONS.

BUFF ORPINGTON COCKERELS \$1.00 TO \$2.50. Alvin Miller, Overbrook, Kan.

BUFF ORPINGTON COCKERELS AND pens. Mrs. T. N. Beckey, Linwood, Kan.

FINE, LARGE, WHITE ORPINGTON COCK- erels \$1.25 each. Bertha Reed, Attica, Kan.

GERTRUDE GEEB'S GOLD NUGGET strain Buff Orpington cockerels. Winfield, Kan.

SINGLE COMB BUFF ORPINGTON COCK- erels, \$1.25 each. Edith Shelby, Moline, Kan.

CRYSTAL WHITE ORPINGTON COCKER- els, \$1.50 and \$2.50 each. Almeda Foster, Burr Oak, Kan.

FINE BUFF ORPINGTON COCKERELS, \$1.00, \$2.00, \$3.00. Order now. H. G. Nash, Grantville, Kan.

WHITE ORPINGTON COCKERELS, PURE bred, \$2 to \$3 each. John Van Amburg, Marysville, Kansas.

FOR SALE—20 S. C. BUFF ORPINGTON cockerels. \$1.50. No culls. A. L. Scherman, R. 3, Olathe, Kan.

S. C. BUFF ORPINGTONS, COCKERELS and cocks \$2 to \$10. Hens \$1 to \$3. Mrs. Grant Stafford, Winfield, Kan.

BUFF ORPINGTONS—40 CHOICE PULLETS \$1.00 and \$2.00. No culls. Closing out. James H. Parsons, Quinter, Kan.

BUFF ORPINGTONS—25 YEARLING COCK birds for sale, of rare quality; can please you. Aug. Petersen, Churdan, Ia.

S. C. BUFF ORPINGTON COCKERELS for sale. Farm raised. \$1.50 to \$2.50 apiece. Fred Mowry, Bellefonte, Kan.

WHITE ORPINGTONS—KELLERSTRASS- Carry strains. Stock and eggs for sale. prices right. H. B. Humble, Sawyer, Kan.

BLACK ORPINGTON SPECIALIST OFFERS eggs and cockerels from prize winners at low prices. Booking orders now. Claude Davis, Iowa City, Iowa.

PURE BRED BUFF ORPINGTON COCK- erels, well developed, good size, from \$1.50 to \$5.00 each. Wm. Gutzmer, Box 33 1/2, R. 3, Sizer Ave., Lincoln, Neb.

CRYSTAL WHITE ORPINGTONS, FINE, healthy, vigorous stock. Bred for heavy winter laying. Eggs \$1.50 per fifteen. Cockerels, \$2.50 to \$4.00 each. Urbandale Poultry Farm, 416 Butts Bldg., Wichita, Kan.

RHODE ISLAND REDS.

S. C. RED COCKERELS, SCORED. GERRADE Haynes, Meriden, Kan.

LARGE, BRILLIANT DARK RED; BOTH combs. Cockerels. M. Jackson, Brewster, Kan.

SCORED S. C. DARK RED COCKERELS, pullets. Guaranteed. Lela Osterfoss, Hedrick, Iowa.

LARGE, BRILLIANT, DARK RED, ROSE Comb cockerels. Sunnyside Farm, Havensville, Kan.

CHOICE S. C. RED COCKERELS, LARGE, dark red, well bred. Mrs. W. L. Maddox, Hazelton, Kan.

ROSE COMB RED COCKERELS. GOOD birds, \$1 to \$3. Mrs. Alice Clinckenbeard, Wetmore, Kan.

LARGE, DARK, VELVETY, ROSE COMB Red cockerels, \$1.00 to \$2.00. H. I. Friedline, Alden, Kan.

50 EXTRA GOOD SINGLE COMB RED cockerels, prices reasonable. C. E. Florence, Eldorado, Kansas.

S. C. REDS. EVERY BIRD A HIGH SCORE show bird. Cockerels or pullets as low as \$2, and up. W. F. Brown, Byron, Okla.

CHOICE DARK ROSE COMB RED CKLS. \$2.00 each. White Indian Runner ducks \$1.00 each. Mrs. Jas. Crocker, White City, Kan.

BIG BONED, FARM RAISED, RHODE ISLAND Red cockerels for farmers and fanciers at attractive prices. H. A. Sibley, Lawrence, Kan.

LARGE, BRILLIANT, ROSE COMB RED cockerels. Sired by scored 10 lb. bird. \$2.00. Choice \$3.00. Mrs. G. C. Talbott, Route 4, Onaga, Kansas.

THOROUGHbred RED COCKERELS, both combs, \$1 to \$5. Guaranteed first class values. Excellent show record. Marshall's Poultry Yards, La Cygne, Kan.

ROSE COMB REDS. COCKERELS \$2. Bred from winners at American Royal, Kansas State Fair, Oklahoma State Fair, Baldwin Red Farm, Conway, Kansas.

SINGLE COMB RED PULLETS EIGHT dollars per dozen. Three dozen or more seven dollars. Orders booked now for eggs from good range flock four dollars per hundred. Three hundred or more three fifty. Delivery any time after March fifteenth. H. A. Bushby, Rydal, Kan.

100 ROSE COMB RHODE ISLAND RED cocks and cockerels that have shape, color and size. Sired by roosters costing from \$15.00 to \$75.00. \$1.50, \$3.00, \$5.00, \$7.50, \$10.00 each; a few higher. No better bred birds. Pens mated for 1915 are by far the best we ever had. W. R. Huston, Americus, Kan.

HAMBURGS.

SILVER SPANGLED HAMBURG COCKERELS \$1.00 to \$2.00 each. Mrs. J. H. Lindsay, Conway Springs, Kansas.

BLUE ANDALUSIANS.

QUALITY BLUE ANDALUSIAN COCKERELS from \$3.00 to \$5.00, for sale at A. A. Neufeld, Route 4, Inman, Kan.

CORNISH.

DARK CORNISH STOCK FOR SALE. J. C. Malchel, Overbrook, Kan.

DARK CORNISH COCKERELS - PRIZE winners. Fred Sleglinger, Lone Wolf, Okla.

MINORCAS.

ROSE COMB BLACK MINORCA COCKERELS, Northup strain. John J. Lowe, Americus, Kan.

BRAHMAS.

PURE LIGHT BRAHMA COCKERELS AND pullets for sale. Mm. Pifer, Washington, Kan.

DUCKS.

FAWN-WHITE RUNNER DUCKS, \$1.00. Mrs. Bertha Fortney, Clyde, Kan.

LARGE WHITE PEKIN DRACKES AND hens. H. Beck, Whitewater, Kan.

INDIAN RUNNERS, SILVER CUP winners. Burt White, Burlingame, Kan.

WHITE RUNNER DRACKES \$1.00 EACH. Mrs. C. B. Kellerman, Burlington, Kan.

WHITE RUNNERS. NOTED STRAIN. \$1.00 each. Either sex. Mrs. H. W. Hammond, Higgins, Texas.

WHITE INDIAN RUNNER DUCKS, PURE white egg strain, \$4.50 trio. Mrs. E. D. Ludwig, Waynoka, Okla.

FAWN AND WHITE INDIAN RUNNER ducks and drakes, \$100 each. Chas. Cornelius, Blackwell, Okla.

MISCELLANEOUS.

WANTED-FANCY POULTRY BREEDING stock. Write us what you have. Shelton Poultry Co., Inc., Denver, Colo.

SEVERAL VARIETIES.

RED BOURBON TURKEYS, STANDARD markings, large and healthy. Price \$2.50 to \$5. Single Comb Rhode Island Red cockerels \$1.00. Satisfaction guaranteed. Rebecca Wooddall, Fall River, Kan.

FISHER'S S. C. BUFF ORPINGTONS. Mated pens. S. C. White Leghorns (from 200 egg hens. Fawn, White Indian Runners, 280 white egg strain. Satisfaction guaranteed. Frank Fisher, Wilson, Kan.

SEVERAL VARIETIES.

BOURBON RED TOMS, \$5.00. S. C. BUFF Orpington cockerels, \$3.00. Mrs. Raleigh Weaver, Wakefield, Kan.

LARGE BOURBON RED TOMS \$4. ROSE Comb Brown Leghorns scoring 94%. Elmer Thompson, Harper, Kan.

55 PARTRIDGE ROCK AND GOLDEN Wyandotte cockerels and pullets, interesting prices. C. E. Florence, Eldorado, Kansas.

FOR SALE-CHOICE R. C. B. LEGHORN, R. C. R. I. Red cockerels, \$1 each or six for \$5. Mrs. John M. Lewis, Larned, Kan.

BARGAIN IF TAKEN SOON. PART-ridge Wyandottes, Single Comb Reds, Rose Comb Whites. W. W. Eddy, Havensville, Kan.

MAMMOTH BRONZE TURKEYS-LARGE, well marked. Toms \$5. Hens \$3. White Wyandotte cockerels. John Gould, Conway Springs, Kan.

MAMMOTH BRONZE TURKEYS. TOMS \$5.00. Hens \$3.00. Also White Langshan and Brown Leghorn cockerels. Mrs. G. F. Saunders, Denison, Kan.

FOR SALE-WHITE HOLLAND TURKEYS and White Wyandotte cockerels. Reasonable prices. Mrs. Everett Booher, Route 3, Fredonia, Kan.

BLACK LANGSHAN AND LIGHT BRAHMAS. A few extra good cockerels ready for shipment. Egg orders now booked. Fairview Yards, E. P. Orrill, Americus, Kan.

INCUBATORS.

A BIG, STOUT, LUSTY CHICK FROM every hatchable egg. The proven record of Fairfield Incubators everywhere. Free catalog and poultry book. Sam Thompson, Fairfield Incubator Co., No. 56 Main St., Fairfield, Nebraska.

LIVE STOCK

STANDARD BRED STALLIONS FOR SALE right. D. H. Bibens, Larned, Kan.

THIRTY RED STEER CALVES. TRAINED colliers. Jno. Marriage, Mullinville, Kan.

FOR SALE-DUROC-JERSEY BOAR. COL. Mc. 130703, farrowed April 3, 1911. E. H. Dowd, Bayneville, Kan.

POLAND CHINA BOARS FOR SALE. Genuine herd headers. Write for prices. W. F. Fulton, Waterville, Kan.

FOR SALE - ONE THOROUGHbred Percheron stallion. One black jack, 4 jennets. W. M. Dice, Tecumseh, Kan.

BEATS ALL OTHERS COMBINED

I have advertised horses, cattle, hogs and chickens through the classified columns of Farmers Mail and Breeze and will say that your paper has given me better results than all the other papers put together. Kindly give me present rates on poultry.-H. N. Holdeman, Meade, Kan., Dec. 20, 1914.

HIGH CLASS JERSEY BULLS AT A BARGAIN; from great dams and ready for service. Chester Thomas, Waterville, Kan.

REGISTERED HOLSTEINS. A. R. O. AND 12,000 lb. cows, ages 5. Young bull, A. R. O. two splendid serviceable bulls priced right. A. Hopson, Girard, Ill.

DOGS.

SCOTCH COLLIES. WESTERN HOME Kennels, St. John, Kan.

BULL DOGS FOR SALE. ARTHUR Coles, Mound Valley, Kansas.

COLLIE BITCH; REGISTERED. CLAY Van Horn, Overbrook, Kan.

ONE PAIR OF LARGE ENGLISH GREYHOUNDS, 2 years old. Price \$20.00. J. F. Brass, Lecompton, Kan.

FOR SALE-CHOICE LIGHT-AMBER Honey, at \$4.00 per 60 pound can. Glen C. Voorhees, Tranquillity, Calif.

BALED ALFALFA, PRAIRIE AND BOTTOM hay, kafir corn and feterita. Farmers Produce Ass'n, Emporia, Kan.

FOR SALE CHEAP-TWO GREYHOUNDS, two years old. Extra fast. Also live jack rabbits. M. De Tar, Wellsville, Kan.

FOR SALE: NO. 2 SIMPLEX STRAW Spreader, single drive, in good condition, used very little. Sold my farm, don't need it-bargain for cash. Address R. C. C., care Mail and Breeze.

EVERYBODY LIKES HONEY, ESPECIALLY if it's the new, fresh amber colored honey from Texas. It melts in your mouth. Send for price list. Gollad Bee and Honey Co., Gollad, Texas.

HONEY-FANCY LIGHT AMBER, \$10.00 per 2 60-lb. cans. Amber, \$9.00 per 2 60-lb. cans. Single cans 25 cents extra. Bert W. Hopper, Rocky Ford, Colo.

ALFALFA AND PRAIRIE HAY. WE HAVE a large amount of alfalfa and prairie hay that we quote as follows: No. 1 alfalfa \$11.00, standard \$10.00, No. 2 \$9.00 per ton. Prairie No. 1 \$8.00, No. 2, \$7.00 per ton. Write or wire us for delivered prices. The L. C. Adam Mercantile Co., Cedar Vale, Kan.

FOR SALE

BUY YOUR LUMBER, DOORS, WINDOWS, shingles, etc., direct from mill, saving 25 per cent. Payment after examination, your town. Powell Land & Lumber Co., Rusk, Texas.

SCALE FOR SALE. ONE DAYTON 30 pound computing scale. Suitable for grocery or meat market. Nearly new. Will sell cheap. Colburn Bros. Co., McPherson, Kan.

FOR SALE OR EXCHANGE

STEAM ENGINE TO TRADE FOR BULL tractor. S. B. Vaughan, Newton, Kansas.

I HAVE INCOME PROPERTY IN KANSAS City, Mo., apartments and store buildings, for sale or exchange for land. For further information address Box 137, Scandia, Kan.

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RESIDENCES - STORES - FARMS AND merchandise. Cash-Terms-or Exchanges. Write 1313 Lawndale Ave., Kansas City.

HEDGE POSTS

HEDGE POSTS FOR SALE IN CAR LOTS. H. W. Porth, Winfield, Kan.

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SWEET CLOVER-WHITE AND YELLOW; biennial; choice seed; prices lower. R. E. Purdy, Falmouth, Ky.

BUY TREES AT WHOLESALE PRICES. Fruit Book free. Write Wichita Nursery, Box B, Wichita, Kan.

PURE RELIABLE SUDAN GRASS. CIRCULAR free. Get my prices. Jos. Mitchell, Manager, Sherman, Texas.

FANCY SWEET CLOVER SEED-PURE white, hulled, re-cleaned; fourteen dollars per bushel F. O. B. J. F. Sellers, Florence, Kan.

SUDAN GRASS-KANSAS GROWN. GUARANTEED free from Johnson grass. Officially inspected and approved. Wilson G. Shelley, McPherson, Kan.

THE WAY TO MAKE MONEY NEXT YEAR is to buy Lubbock officially inspected Sudan grass seed now and sell seed next season. Price 50 cts. per lb. Box 342, Lubbock, Texas.

I HAVE 500 BU. OF GOOD, CLEAN, PURE feterita, good for planting. Price \$2.25 per 100 lbs., sacked, F. O. B. at Forgan, Okla. Sample sent free on request. R. C. Fair, Beaver, Okla.

WHITE SWEET CLOVER SEED \$11 PER bushel. Chas. F. Redding, Waverly, Kan.

STRAWBERRY PLANTS \$2.00 PER 1,000. List free. J. R. Sterling, Judsonia, Ark.

SUDAN GRASS SEED. 50C POUND PREPAID. Oklahoma grown. Guaranteed free from Johnson grass. J. S. Massey, Grower, Tipton, Okla.

SWEET CLOVER SEED. PURE WHITE blooming variety. Unhulled, re-cleaned 24c and hulled, re-cleaned 27c per pound. Unhulled \$14 and hulled \$16 per bushel, each of 60 pounds. E. G. Finaup, Garden City, Kan.

SUDAN SEED? GUARANTEED-PURE AND reliable. Direct from the grower. Quality highest, and prices lowest. For 30 days only, 50 cts. lb. post paid. Just half price. C. E. White Seed Co., Plainview, Texas.

FREED SORGO SEED, A PURE WHITE cane, maturing earlier than Early Amber. Seed relished by poultry and stock better than milo. Price \$2.00 per bu. F. O. B. Chivington, Colo. Burton Smith, Chivington, Colo.

SUDAN-THE WORLD'S GREATEST HAY crop. A limited quantity of seed for sale in 5 and 10 pound lots at 50 cents per pound prepaid; two pounds plants one acre. Reference furnished as to purity of seed and responsibility. Kimpro & Parks, Lubbock, Texas.

SEEDS-WE ARE PREPARED TO BOOK your orders for the following seeds. Alfalfa, cane, white or yellow maize, kafir, feterita; German, golden, Siberian, hog millets; in car load lots or mixed car. We live in the heart of the growing district where the above seed grows. Samples sent on request. L. A. Jordan Seed Co., Winona, Kan.

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WANTED TO HEAR FROM OWNER OF good farm for sale. Send cash price and description. D. F. Bush, Minneapolis, Minn.

WANTED TO HEAR OF GOOD FARM OR unimproved land for sale. Send description and price. Northwestern Business Agency, Minneapolis, Minn.

SELL YOUR FARM OR BUSINESS QUICKLY for cash no matter where located. Information free. Black's Business Agency, Desk 9, Chippewa Falls, Wis.

WANTED TO RENT A GOOD STOCK AND grain farm where we can raise Poland China hogs and cattle. Best of reference. Address L. W. H., Wellsville, Kan.

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.

LANDS

GOOD 120 ACRES, CLOUD COUNTY, improved. \$5400. Walter Axtell, 1315 Lincoln, Topeka, Kan.

FOR SALE OR WILL TRADE 160 ACRES of improved level land near Selbert, Colo. Address Peter Jespersen, Colby, Kan., R. 1.

MY 40 ACRE FLORIDA FARM FOR SALE at a bargain. Good reasons for selling. Address Lock Box 142, Plant City, Florida.

WE HAVE SEVERAL GOOD BOTTOM, and valley farms, for sale. Some bargains in fruit farms. Austin & Chrane, Gravette, Ark.

160 A. IMP. 2 MI. HARVEYVILLE. ABUNDANCE good water; 85 a. cult., balance alfalfa, meadow, pasture. A. Fleming, Burlingame, Kan.

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

320 A. MAJOR CO., OKLA. PRICE \$8000.00. Mtg. \$2200.00. Wants merchandise for equity. Gondergard Realty Co., Ramona, Kan.

WE CAN SELL OR EXCHANGE YOUR property no matter where located. Write us. The Real Estate Investor, Limon, Colorado.

FOR SALE OR EXCHANGE FOR BEST wheat land in eastern Kansas, improved stock and grain quarter, Marshall Co. Webb Vaniew, Axtell, Kan.

480 ACRE FARM, HIGHLY IMPROVED. 3 1/2 miles Langdon. \$45 an acre. Terms. 26 miles to Hutchinson. Some timber. Ben Miller, Langdon, Kan.

160. FIVE MILES LUCAS, 85 CULTIVATED, rest pasture; small house; splendid well water; telephone and rural route. \$30 per acre. H. C. Ruppenthal, owner, Lucas, Kan.

4400 ACRES, LAND ROOKS AND PHILLIPS Co., Kansas. Well improved, for sale or trade in 800, 640 or 400 acre tracts. Deal with owner and save commissions. Henry Clemmons, Stockton, Kansas.

FOR SALE: 36 IN WYANDOTTE CO., Kan., 12 mi. Kansas City. Part in growing rye. \$200 per acre. 4 4-10 acres, new house, two-story bank barn, water in barn, \$2,500. Mrs. E. B. Kindred, Eudora, Kan.

JEWELL COUNTY, KANSAS. A GOOD, well improved 160 acre farm for sale. Good soil, plenty of water. Owing to ill health, must sell at once. \$10,500.00, good terms. R. M. Cauthorn, Mankato, Kansas.

WANTED-CATHOLIC FAMILIES TO locate around Turon, Kan. New church just built, no debt. Good imp. farms, corn, wheat and alfalfa land. Prices from \$35 to \$60 per a. fine terms. John Collopy Realty Co., Turon, Kan.

PRODUCTIVE LANDS; CROP PAYMENT or easy terms along the Northern Pac. Ry. in Minn., N. D., Mont., Idaho, Wash. and Ore. Free literature. Say what state interests you. L. J. Bricker, 46 Northern Pac. Ry., St. Paul, Minn.

FOR SALE-IMP. 160 A., 1 1/2 MILES Crescent. 80 a. in cultivation, balance timber and pasture; young orchard; well and windmill; three cows, four mares, fifteen shoats, chickens, machinery and feed. Mtg. \$1,500 three yrs 6%. Price \$3,200. Geo. Beeson, Crescent, Okla.

FOR SALE OR RENT-40 ACRES, 3 MILES of Carbondale, Kan.; 30 under cultivation, balance pasture and little timber on creek; 2-room house, barn, cow lot, chicken house and corn crib; 1 mile to good school; 3 to church and store; fine neighborhood. Am a widow and must sell or rent quick. Bargain. Mrs. Rachel Layman, Carbondale, Osage Co., Kan.

20 ACRE ORCHARD AND OTHER ranches, in the famous Grand Valley of Western Colorado, to exchange for eastern. Better all year round climate than California; mild winter weather. Also for sale land being irrigated by the U. S. government; 10 years to pay for land; 20 years to pay for water without interest. M. G. Woolverton, Grand Junction, Colorado.

WASHINGTON NEEDS FARMERS TO feed her rapidly growing cities. Climate ideal, water abundant, land a-plenty, specially suitable for dairying, poultry, stock raising, etc. Write State Bureau of Statistics and Immigration for official bulletin. Bureau has no land for sale. Address I. M. Howell, Commissioner, Dept. B6, Olympia, Wash.

65 ACRES 1/2 MILE OF MAYETTA, KANSAS; all under cultivation. Excellent high school in Mayetta. Excellent 7 room house. Good barn for 8 head horses, 1500 bushels of grain; 25 ton hay mow and large driveway. Cement hog house. Good double chicken house. Large cow sheds. Fine orchard. Terms to suit buyer. Also 160 acres smooth grass land 3 miles of Della. \$50 per acre. Terms to suit buyer. No trades. Write A. J. Jones, Mayetta, Kansas.

FINE TOPEKA HOME FOR SALE-I WILL sell my place in Topeka, located on the most beautiful street in the city, near limits of city, two blocks from street car, two blocks from fine school, fine old shade, park like surroundings, lot 61 1/2 by 205 feet, eight room house, modern in every detail, hardwood finish, four fine mantels and grates, of oak, brick and tile, big sleeping and dining porch, both screened, barn, poultry houses, etc., etc. Fine place for farmer who wants to move to the capital city. Price \$5,500, worth more. Cash or terms. Interest only 6 per cent instead of the usual 7 per cent. No trade. Address R. W. E., care Mail and Breeze.

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AGENTS-SNAPPIEST HOUSEHOLD LINE on earth. Red hot sellers, steady repeaters. Goods guaranteed. Over 100% profit. Write quick-hurry. E. M. Feltman, Sales Mgr., 521 Third St., Cincinnati, O.

SITUATIONS WANTED.

WANTED - TO CORRESPOND WITH party who might let experienced man and wife work on farm on shares for spring and summer 1915. E. Lynch, Ft. Scott, Kan., R. 3.

HELP WANTED

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THOUSANDS GOVERNMENT JOBS OPEN to men and women. \$65.00 to \$150.00 month. Write for list, Franklin Institute, Dept O 51, Rochester, N. Y.

WILL PAY RELIABLE WOMAN \$250 FOR distributing 2,000 packages Perfumed Soap Powder in your town. No money required. M. Ward & Company, 218 Institute Place, Chicago.

WANTED—MEN AND WOMEN, 18 OR over. Get government life jobs, \$65 to \$150 month. Thousands 1915 appointments. Big opportunity for farmers. Common education sufficient. "Pull" unnecessary. Write immediately for list of positions now obtainable. Franklin Institute, Dept O 51, Rochester, N. Y.

WANTED—RESPONSIBLE PARTY TO take charge of business in each county. New Automatic Combination Tool, combined wire fence stretcher, post puller, lifting jack, etc. Lifts or pulls 3 tons, weighs 24 pounds. Sells to farmers, shops, teamsters, etc. Descriptive catalogue and terms upon request. Harrah Manufacturing Co., Box M, Bloomfield, Ind.

MALE HELP WANTED

GOVERNMENT FARMERS WANTED. AGE 21 to 50. Make \$125 monthly. Write Ozment, (38. F) St. Louis.

RAILWAY MAIL CLERKS WANTED. Commence \$75.00 monthly. Sample examination questions free. Franklin Institute, Dept O 51, Rochester, N. Y.

MOTORMEN—CONDUCTORS; INTERURBAN; earn \$80 monthly; experience unnecessary; qualify now; state age; details free. F., care Mail and Breeze.

RAILWAY MAIL CLERKS, CLERK-CARRIERS and rural carriers wanted. I conducted examinations—can help you. Trial examination free. Ozment 38, St. Louis.

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SALESMEN WANTED FOR FULL LINE fruit and ornamental trees. No experience necessary. Full or part time as you prefer. Prompt pay each week. The Lawrence Nurseries, Lawrence, Kansas.

MEN 20 TO 40 YEARS OLD WANTED AT once for electric railway motormen and conductors; \$60 to \$100 monthly; no experience necessary; fine opportunity; no strike; write immediately for application blank. Address Manager, B-527 Dwight Bldg., Kansas City, Mo.

WANTED: MEN TO WORK ON AN IRRIGATED ranch. Work year around for good men. Pay winter months \$45.00, summer \$50. Good board costs five dollars a week. Houses furnished free for a limited number of families. Climate best in America. Applicants must be sober, clean tongued, able bodied and familiar with farm work, particularly handling horses. Harroun Land Company, Malaga, N. M.

SYRUP AND RICE

PURE RIBBON CANE SYRUP, MADE THIS season, contains all sugars and no chemicals. Cash prices: 5-gallon kegs, \$3.35; 10-gallon kegs, \$6.65; 15-gallon kegs, \$8.70; 27-gallon barrels, \$14.20; 55-gallon barrels \$27.80. Freight charges paid to Missouri, Illinois, Oklahoma, Kansas, Arkansas and Iowa. Being located where seventeen railroads enter, shipments go promptly on most direct route, subject to examination at your depot. Syrup supply is limited, so order immediately. Sample 5c. Also new rice at low prices. Teimah's Plantation Mill, Houston, Texas.

MISCELLANEOUS

WASHING TONGS! NO TORN CLOTHES. No wet hands. 25 cts. J. Moffat, Clyde, Kan.

BOOKS FREE TO FARMERS ONLY. A treatise on preservation of mankind. Non-medical. W. G. Williams Vinita, Okla.

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A MILLION DOLLAR BOOK. IF WE CAN get ten thousand farmers to read the Equity Text Book, they will join the Equity Union and we will save them one million dollars per year as we are doing for our present membership. Send fourteen two cent stamps to The Equity Union, Greenville, Ill., for the book and read carefully our plan of co-operation which holds ten thousand farmers together in a business union. C. O. Drayton, Greenville, Ill.

FREE FOR SIX MONTHS—MY SPECIAL offer to introduce my magazine "Investing for Profit." It is worth a copy to anyone who has been getting poorer while the rich, richer. It demonstrates the real earning power of money, and shows how anyone, no matter how poor, can acquire riches. Investing for Profit is the only progressive financial journal published. It shows how \$100 grows to \$2,200. Write now and I'll send it six months free. H. L. Barber, 425, 28 W. Jackson Blvd., Chicago.

Lorimer of the Northwest

(Continued from Page 23.)

seeing him above a friendly warning. I lit out, feeling sheep-faced; and I've bluffed some hard men in my time. Since then I've been rooting round, and I'm concluding there is good ore in that mountain, if he could strike it. "Do you know the sheep-faced feeling, Ralph?" asked Harry mischievously. And probably my frown betrayed me, because I knew it well, though there was some consolation in the thought that this reckless wanderer of the ranges knew it also.

In any case, I had small leisure just then to trouble about the affairs of Colonel Carrington. My duty to my partners and the men who worked for us was sufficiently onerous, for we had almost daily to grapple with some fresh natural difficulty. Twice a snow-slide awakened majestic thunders among the hills at night and piled the wreckage of the forests high upon the track. Massy boulders charged down the slopes and smashed the half-finished snow-shed framing into splinters; but, rod by rod, the line stretched on, and the surveyor's good will increased toward us. So the short weeks passed, until at last the metals led into the mining town, and its inhabitants made preparations to provide a fitting reception for the first train, the arrival of which would mark a turning-point in the wooden city's history. I can remember each incident of that day perfectly, because it also marked the change from ebb to flood in the tide of our own affairs. We sat up late the previous night calculating the amount to our debit, which proved sufficiently discouraging, and endeavoring to value on the credit side work we had done in excess of contract; but this, Harry said, was reckoning without our host, as represented by the surveyor, who, when we approached him on the subject, displayed a becoming reticence.

It was a glorious afternoon when we stood waiting beside the track, attired for once in comparatively decent garments. Harry and I had spent several hours in ingenious repairs, one result of which was that certain seams would project above the surface in spite of our efforts to restrain them. Beneath us the foaming river made wild music in its hidden gorge, and the roar of a fall drifted up with the scent of cedars across the climbing pines, while above the hill-slopes led the gaze upward into the empyrean. But there is no need for description; we were in the mountains of British Columbia, and it was summertime.

Near at hand many banners fluttered over the timber city, and discordant strains announced the last rehearsal of the miner's band, while a throng of stalwart men laughed and jested as they gazed expectantly up the line. They had cause for satisfaction. All had waited long and patiently, paying treble value for what they used or ate, and struggling with indifferent implements to uncover the secret treasure of the ranges. Now their enterprise would not be handicapped by the lack of either plant or capital, for the promise given had been redeemed, and with the advent of the locomotive they looked for the commencement of a great prosperity.

My face, however, was somber, for Harry made some jesting comparison between it and that of a mourner at a funeral. We, too, had done our share in the building of the road, but, as far as we could see, it had signally failed to bring us prosperity.

"You can console yourself with the feeling that it's good to be a public benefactor, even if you don't get any money," said Harry cheerfully. "Did it ever strike you, Ralph, that the people who subscribe for statues make a bad choice of their models? Instead of the frock-coated director they should set up the man with the shovel—Ralph Lorimer, rampant, clad in flour bags, and heaving aloft a big axe, for instance, with the appropriate motto round the pedestal under him, 'Virtue is its own reward.' No, I'm in charge of the pulpit this afternoon, Lee." "What the shoemaker intended to say

(Continued on Page 33.)

PATENTS

SEND FOR FREE BOOKLET, ALL ABOUT Patents and Their Cost. Shepherd & Campbell, Patent Attorneys, 500 C Victor Bldg., Washington, D. C.

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.

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The Next Time You See THIS in Your Hog-Lot Send for THIS



When your hogs rub against fence posts, buildings, trees, etc., look out for lice. It's a pretty good sign these blood-sucking parasites are at work in your herd. If neglected they will multiply by the thousands—soon infest the whole herd—keep your animals thin—stunt their growth—sap their vitality and invite cholera and other contagious diseases on to your farm. Dips are helpful but expensive—often dangerous and always troublesome. Why not let your hogs rid themselves of lice, mange and other skin diseases in the natural way. Let them rub against a **Rowe's New Idea Rubbing Post** at my risk. I'll furnish the Posts and the Oil and pay the freight. The trial won't cost you a cent. You simply watch results and pay if pleased.

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Man Wanted

District Manager and Salesman wanted in every Kansas county by a big Co-operative Merchandising House. Some of our men in Kansas are making \$5,000.00 to \$7,500.00 a year. Applicants must be hardworking, level-headed men of honesty. No experience necessary. We teach you how to look after our business. You can make big money managing territory and salesmen for us. Write quick for complete information. T. D. Banker, 19th & Campbell Sts., Kansas City, Mo.

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Direct with the publishers we are able for a limited time to offer "Gleason's Horse Book" absolutely free—postage prepaid—to all who send \$1.00 to pay for a one-year—new or renewal—subscription to our big farm weekly. Send your name and \$1.00 at once. Mail and Breeze, Dept. H B-10, Topeka, Kansas

WHAT BREEDERS ARE DOING

FRANK HOWARD,
Manager Livestock Department.

FIELDMEN.

- A. B. Hunter, S. W. Kansas and West Okla., 614 So. Water St., Wichita, Kan.
- John W. Johnson, N. Kansas and S. Nebraska, 520 Lincoln St., Topeka, Kan.
- Ed R. Dorsey, North Missouri, Iowa and Illinois, Cameron, Mo.
- Jesse R. Johnson, Nebraska, 1937 South 16th St., Lincoln, Neb.
- C. H. Hay, S. E. Kan., So. Mo. and E. Okla., 4204 Windsor Ave., Kansas City, Mo.

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.

- Feb. 1—Beall & Jackson, Roca, Neb.
- Feb. 4—Albert Smith & Sons, Superior, Neb.
- Feb. 5—G. A. Wiebe, Beatrice, Neb.
- Feb. 6—B. E. Ridgley, Pickering, Neb., and C. P. Jones, Cortland, Neb.; sale at Pickering.
- Feb. 9—Jas. W. Anderson, Leonardville, Kan.
- Feb. 9—Phil Dawson, at St. Joe, Mo.
- Feb. 10—Agricultural College, Manhattan, Kan.
- Feb. 10—Ira C. Kyle & Son, Mankato, Kan.
- Feb. 11—John Kimmerer, Mankato, Kan.
- Feb. 11—Howard R. Ames, Maple Hill, Kan.
- Feb. 12—W. E. Willey, Steele City, Neb.
- Feb. 12—John Belcher, Raymore, Mo.
- Feb. 12—J. F. Foley, Orunogue, Kan.
- Feb. 12—Thos. F. Walker & Son, Alexandria, Neb.; at Fairbury, Neb.
- Feb. 15—Joshua Morgan, Hardy, Neb.
- Feb. 16—L. E. Kleis, Zeandale, Kan., at Manhattan, Kan.
- Feb. 17—J. H. Hartar, Westmoreland, Kan.
- Feb. 18—J. L. Griffiths, Riley, Kan.
- Feb. 19—W. A. Baker, Butler, Mo.
- Feb. 19—A. J. Swingle, Leonardville, Kan.
- Feb. 20—Jas. Arkell, Junction City, Kan.
- Feb. 22—J. D. Mahan, Whiting, Kan.
- Feb. 25—T. M. Willison, Lebanon, Kan.
- Feb. 26—Lambert Bros., Smith Center, Kan.
- Feb. 26—W. E. Epley, Diller, Neb.
- Mar. 1—Groninger & Sons, Bendena, Kan.
- Mar. 2—H. B. Walter, Effingham, Kan.
- Mar. 3—H. C. Graner, Lancaster, Kan.
- March 3—Gilbert Johnson, Osceola, Neb.

Spotted Poland Chinas.

- Feb. 24—Alfred Carlson, Cleburne, Kan.

Duroc-Jersey Hogs.

- Jan. 25—Geo. Briggs & Son, Clay Center, Neb.
- Jan. 26—Ira Dodson & Son, Aledo, Ill.
- Jan. 26—Geo. W. Schwab, Clay Center, Neb.
- Jan. 28—Dana D. Shuck, Burr Oak, Kan.
- Feb. 5—Dr. C. E. Still, Kirksville, Mo.
- Feb. 6—Philip Albrecht & Sons, Smith Center, Kan.
- Feb. 9—Agricultural Col., Manhattan, Kan.
- Feb. 10—Adolph Gustafson & Son, Leonardville, Kan.
- Feb. 12—Howell Bros., Herkimer, Kan.
- Feb. 16—J. M. Layton, Irving, Kan.
- Feb. 17—E. A. Horton, St. Joe, Mo.
- Feb. 18—Buskirk & Newton, Newton, Kan.
- Feb. 23—J. R. Jackson, Kanopolis, Kan.
- Feb. 25—Martin Kelly, Verdon, Neb.
- Feb. 27—E. N. Farnham, Hope, Kan.
- March 5—Samuelson Bros., Blaine, Kan.
- Mar. 11—W. W. Otey & Sons, Winfield, Kan.
- Mar. 12—G. C. Norman, Winfield, Kan.
- March 17—Mott & Seaborn, Herington, Kan.

O. I. C. Hogs.

- Feb. 3—Chas. H. Murry, Friend, Neb.

Shorthorn Cattle.

- Feb. 3—A. B. Garrison, Summerfield, Kan.
- Mar. 13—J. R. Whistler, Watonga, Okla.
- March 11-12—Nebraska Shorthorn breeders' sale, Grand Island, Neb.; J. C. Price, Lincoln, Neb., Mgr.

Angus Cattle.

- Feb. 16—F. W. Schaefer, Yates Center, Kan.

Hereford Cattle.

- Jan. 20—Mousel Bros., Cambridge, Neb.
- Jan. 23—Carl Miller, Belvue, Kan., at Wamego, Kan.
- Feb. 18-19—Nebraska Hereford Breeders' sale, Grand Island; Robt. Mousel, Cambridge, Neb., Mgr.

Percherons.

- Jan. 13—H. W. McAfee, Mgr., Topeka, Kan.
- Jan. 15—D. A. Fawcett, McCune, Kan.
- Jan. 20—C. W. Lamer, Salina, Kan.
- Jan. 23—Spohr & Spohr, Latham, Kan. Sale at Wichita, Kan.
- Feb. 18—W. S. Boles & Sons, Enid, Okla.
- Feb. 22—F. A. Cole, Barnard, Kan.; sale at fair grounds, Beloit, Kan.

Percherons and Other Draft Horses.

- Jan. 26, 27, 28, 29, 1915—Bloomington, Ill. C. W. Hurt, Mgr., Arrowsmith, Ill.

Jacks and Jennets.

- Jan. 16—D. A. Fawcett, McCune, Kan.
- Mar. 6—G. C. Roan, LaPlata, Mo.

Combination Livestock Sales.

- Feb. 8 to 13—T. S. Kirk, Mgr., Enid, Okla.
- Feb. 25—Miami Co., Breeders, Draft horses, beef cattle and hogs. O. C. Hagans, Mgr., Paola, Kan.

S. W. Kansas and Oklahoma

BY A. B. HUNTER.

Spohr & Spohr, Latham, Kan., will sell at Diver's Stock Yards pavilion, Wichita, Kan., Thursday, January 28, 33 head of Percherons. This is to be a dispersion sale and will include their herd stallion and mares.

There will be 15 stallions and 18 mares. Most of the mature animals are by Castillon, an imported sire weighing close to 2400 pounds. The younger Percherons are by Mastodon, a sire of much merit and great size. Ten choice 3-year-old stallions will be sold and as many mares all showing in foal to the imported stallion Farceur. Come to this sale. You will find Percherons from weanlings to herd header and the good kind to buy. Remember the sale will be in Wichita. Write today for catalog. Address Spohr & Spohr, Latham, Kan.

Tatarax Duroc-Jerseys.

An excellent opportunity to buy bred gilts is offered in the ad of Buskirk & Newton, owners of the Tatarax herd of Duroc-Jerseys at Newton, Kan. They are offering 75 bred gilts. They also have 10 outstanding boars on which they will make very attractive prices. The entire offering is immunized and in perfect health. You are invited to see these hogs. The Tatarax herd is so named from the fact that it contains so much of the blood of the grand champion, Tatarax. This good boar is grand champion of both Kansas and Oklahoma State Fairs and his get following him in these shows are winning the purple. The name Tatarax is synonymous in Duroc-Jersey talk with "quality." If interested in this good offering write Buskirk & Newton and mention Farmers Mail and Breeze.

Durocs Priced to Sell.

J. R. Smith, Newton, Kan., will sell at private sale, the next 60 days, 60 head of fashionably bred Durocs, consisting of bred sows and gilts, spring boars and a handsome lot of June boars and gilts. These hogs carry the blood of the champion Tatarax, Crimson Wonder 4th, Graduate Col. and other noted sires. They are the good boned, good colored, handsome headed kind. The display ad on another page sets forth a detailed description of what Mr. Smith has to sell. Any farmer who wants more hogs or any breeder who needs new blood, should turn to this ad and read it carefully. They are the right kind of hogs and Mr. Smith is ready right now to make prices that will move them. Call or write, mentioning Farmers Mail and Breeze.

Barns Full of Percherons.

Bishop Brothers, Towanda, Kan., with this issue start their Percheron stallion advertising. These gentlemen are well known breeders and sellers of the biggest and best in Percheron stallions. Their barns are full of the big, sound, rugged kind and they invite you to inspect them. Their motto is quick sales and satisfied customers and the proof of their satisfied customers is their steadily increasing business from year to year. They appreciate your business and can be depended on for honest values and a square deal. They claim to be selling bigger and better stallions for the money this season than ever before. We recommend that you who want Percheron stallions call at their barns and look them over without delay. Write and tell them when you will call, mentioning Farmers-Mail and Breeze.

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Livestock auctioneer. Write for open dates.

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Real Estate a Specialty. Write, wire or phone for dates

N. W. COX Wellington, Kan. AUCTIONEER
LIVESTOCK AND FARM SALES.

Spencer Young, Osborne, Kan.
Livestock Auctioneer. Write for dates.

Jas. T. McCulloch, Clay Center, Kan.
References: The breeders I am selling for every year. Write for open dates.

WILL MYERS, Livestock Auctioneer
BELOIT, KANSAS. Ask the breeders in North Central Kansas. FOR DATES ADDRESS AS ABOVE.

RUGGELS & SON SALINA, KAN. BEVERLY, KAN.
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Herd headed by Rex E. Nuff by Good E Nuff Again King and brother to Otey's Dream. Spring boars and gilts priced reasonable. Satisfaction guaranteed.
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DUROC-JERSEYS.

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Best of blood lines. Big type. Plenty of all ages. Prices right. Guaranteed. **WOSSE & FITZWATER, GOFF, KANSAS.**

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Sows and gilts bred for March and April farrow. Big and stretchy with good bone, good color and deep bodies immune. Will be priced reasonable and descriptions guaranteed. Write for private sale catalogue.
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J. U. HOWE, WICHITA, KANSAS

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For Sale: Tried sows and bred gilts by Tav-A-Walls and Jayhawk's Crimson Wonder. Sows bred to Tav-A-Walls and gilts bred to A Critic.
SEARLE & COTTLE, BERRYTON, KANSAS

25 March and April Boars
by Dreamland Col., by Clear Creek Col., by Burt 711, by Crimson Wonder 4th, from \$20 to \$55. Herd boar prospects and show prospects. Write soon and get the choice ones. **J. R. JACKSON, KANOPOLIS, KAN.**

Bred Gilts

30 high class, pure bred Duroc-Jersey Gilts weighing about 200 pounds, bred to registered boar for February and March farrow. They have the size, color and bone but are not recorded. Price \$27.50 each. **WELLS BROTHERS, CARE OF BUTTON FARM, LAWRENCE, KANSAS**

Hillcrest Farm Durocs

Boars ready for service sired by Taylor's Model Chief, half brother to Grand Champion Mo. State Fair, 1914. Good boars at farmers' prices. All immune.
E. N. FARNHAM, Hope, Kans.

Private Boar Sale

Top boars from our 115 March and April Duroc-Jersey pigs. Nothing but choice ones priced. Extra size, best of breeding. Prices reasonable and satisfaction guaranteed.
HOWELL BROS.
Herkimer, Marshall Co., Kansas.

Percheron Dispersion Sale!

Wichita, Kan., Thursday, January 28th

In Sale Pavilion at Diver's Stock Yards rain or shine

33 HEAD, consisting of 15 stallions and 18 mares. Most of the mature females of this offering are sired by Castillon, an imported stallion weighing 2350 pounds and were raised on our Sumner County stock farm. The younger animals are sired by Mastodon, a stallion of equal size.

These Percherons range in age from weanlings to mature age and include 10 extra good three-year-old stallions together with 11 mares most all showing safe in foal to the imported stallion Farceur, which also sells. Everything sells without reserve and if you are not present sale day you will miss a great opportunity to buy high class Percherons, all registered in the Percheron Society of America. Write today for catalog.

SPOHR & SPOHR, Latham, Kansas

Auctioneers—Jno. D. Snyder, Boyd Newcom, Earl H. Jackson.
Fieldman—A. B. Hunter.

N. Kansas and S. Nebraska

BY JOHN W. JOHNSON.

All stock shipped over the Santa Fe to the combination horse sale to be held at Topeka, January 13, will be delivered by that company free of charge to the State Fair grounds; and all stock to be shipped out over the Santa Fe can be loaded at the fair grounds.

John Hunt, Marysville, Kan., offers 12 very choice Duroc-Jersey gilts bred for March farrow. These gilts are as good as will be found in any herd in the West. You can't beat them. They will be priced right to move them. Mr. Hunt has not enough for a bred sow sale and will sell these choice gilts at reasonable prices. Write today and mention his advertisement in the Farmers Mail and Breeze.

Maplewood Farm, Mott & Seaborn, proprietors, Herington, Kan., offers 40 choice picked Duroc-Jersey spring gilts for sale at private treaty. They were intended for their bred sow sale but they have decided to try out the plan of selling them at private sale less the sale expense. Write them today for prices and breeding. Look up their advertisement in the Duroc-Jersey section in the Farmers Mail and Breeze.

Ralph P. Wells, Formoso, Kan., offers his Duroc-Jersey bred sows at private sale. He has a fine lot of choice sows and gilts and will sell them bred or will breed choice gilts to your order if you write at once. Low prices will be made on these sows and gilts to move them at once. Mr. Wells is one of the well known breeders of Duroc-Jerseys in Jewell county and will give you a good square deal if you need a few bred sows. Write him and mention the Farmers Mail and Breeze. Look up his ad in this issue.

Sam Herrin, Penokee, Kan., reports a good trade in Poland Chinas this season. He has sold all of his surplus boars and is breeding a nice lot of sows for next season. His herd boar, a splendid son of old A Wonder, is a big massive fellow and will be used on almost all of the sows in the herd.

In this issue A. G. Cook Luray Kan. is changing his O. I. C. hog advertisement. He is offering spring boars and gilts and 32 September pigs of both sexes. Also some tried sows. Everything guaranteed as represented. Write Mr. Cook, Luray, Kan.

Dispersion Poland Sale.

Howard R. Ames, Maple Hill, Kan., has claimed February 11 as the date of the dispersion sale of Poland Chinas. The offering will not be large in point of numbers but some great individuals will be found in the sale. Big Orange Again, the great breeding boar formerly in the A. J. Swingle herd, will be sold. Mr. Ames has bought a farm in Oklahoma and will disperse his herd of Poland Chinas and sell everything on the above date. His catalogs

4-year-olds and will show an exceptional lot of quality, bone, scale and Percheron conformation. The registered mares have worked on the farm the past summer and special attention has been given to getting them in foal. There will be about 50 head of farm mares, most of them showing heavy in foal and all exceptionally good. They range in age from 3 to 7 years. There are five saddle horses and 20 head of mules. Write today for catalog and arrange to attend the sale.

Big Percheron Sale.

Readers of Farmers Mail and Breeze who want to buy first class Percheron horses, either stallions or mares, should make arrangements to attend the big breeders' sale at Topeka, Wednesday, January 13. There will be 14 stallions and 16 mares consigned by the best breeders of Shawnee and adjoining counties. For a list of consignors see display ad in this issue. Catalog may be had by addressing H. W. McAfee, Sales Manager, Route 8, or D. F. McAllister, Route 8, Topeka, Kan.

Illinois and Indiana

BY ED. R. DORSEY.

Any of our readers wanting Duroc-Jersey sows this spring should keep in mind the Ira Dodson & Sons' sale at Aledo, Ill. This offering will include 40 sows that are as well bred as it is possible to get and individually they are the kind that please all lovers of exceptionally good Duroc-Jerseys. Not only is the offering right in every way but this firm is right in all its dealings. For a detailed outline of this offering see the display advertisement in this issue and write today for a catalog.

Shorthorn and Poland Sale.

An important Shorthorn cattle and Poland China hog sale will be held January 21, at Evergreen Stock Farm, one mile east of Guilford, Mo. The Shorthorns will consist of 15 young cows and heifers and seven young bulls, 7 to 12 months old. The principal families represented are Young Marys, Floras, Alice Mond, etc., with good Scotch tops. The herd bull in service is Count Ramsder by Imp. Lavender Champion; dam by Imp. Prince Odeic, second dam by Imp. Duval Crown, third dam Imp. Daybreak 4th of the Miss Ramsdon family. Most of the cows are in calf to this bull and three of the bulls are by him. The females are of the big, broad-backed, low down, beefy type and splendid milkers. Every cow is broke to milk as they have to be milked until calves are 1 to 2 months old. Short-horns are bred on this farm for every day, practical purposes. Every cow in the sale has produced a calf within the last year and is safe in calf again. The Poland Chinas will consist of 20 young sows and a few boars ready for service. These are of the "Carver type" which stands for size and quality combined. Most of the offering

DUROC-JERSEYS.

Immune Duroc-Jerseys

8 head of spring boars, 2 show boars, 30 spring gilts bred to Watson's Defender, a son of Defender. Satisfaction guaranteed. R. C. WATSON, Altoona, Kan.

Hirschler's Durocs

Herd headed by Graduate King, by Graduate Col. Gilts by Tattarrax Chief and E. L.'s Col. bred to him; also a fine lot of spring boars, priced for quick sale. Write today. E. L. HIRSCHLER, HALSTEAD, KAN.

Uneda Herd Unexcelled Durocs

March boars of excellent breeding, color and quality. Weight, 175 to 200 pounds and not fat. \$20, \$25 and \$30. Choice Sept. boars \$10 to \$15. The Duroc Bulletin one year with each boar. Tyson Bros., McAllister, Kas.

IMMUNE DUROC SOWS

For Sale Duroc sows guaranteed in farrow and cholera immune. Shipped to you before you pay. F. C. CROCKER, FILLEY, NEBR.

DUROC BRED GILTS PRIVATE SALE

Will not hold public sale and offer privately 18 choice yearling gilts, and 15 tops of spring crop. All sired by Royal Wonder and bred to Big Critic a richly bred 800 pound boar when mature. Every representation guaranteed. D. S. COCHRAN, LINCOLN, NEBRASKA

Good E. Nuff Again King, Grand Champion

Crimson Wonder 4th, second, Kansas State Fair 1913. Otey's Cream, junior champion Kansas State Fair 1914. Herd boars and grand champion prospects for sale. W. W. OTEY & SONS, WINFIELD, KANS.

Select Chief, The Grand Champion

Of Kansas, Oklahoma City, Muskogee, Okla., Dallas, Texas, Shreveport, La., and Hot Springs, Ark. For Sale: Boars sired by him and gilts either by him or bred to him. Thompson Bros., Garrison, Kansas.

HUSTON'S DUROCS

Boars for sale by Country Gentleman, Golden Model 4th and Model 14019; sows and gilts safe in pig to such sires as Long Wonder 2nd, Country Gentleman and Model. All immune and at pocket. W. R. Huston, Americus, Kansas.

BALDWIN DUROCS

Baby boars \$7. Spring gilts \$25. Bred to "Bell the Boy" the undefeated first prize winner at the "Kansas State Fair" the "Tenn. State Fair" and the "Interstate Fair" Immune. Rose Comb Rhododermis Red. Winners at the big shows. 19 incubators, Cockerels \$2. Call and see us. R. W. Baldwin, CONWAY, McPherson Co., Kan.

THE GET OF CHAMPION BOARS

Duroc-Jersey spring boars and gilts sired by 800 and 1,000 lb. champion boars and out of one of the best herds of sows in Mo. Big boned, strong boars ready for service, \$20 to \$25; gilts bred to farrow in March, \$25 to \$35. Register papers furnished without extra charge. Send your check and get your money's worth. E. W. TAYLOR, Olean, Mo.

Royal Scion Farm Durocs
The Great Graduate Col., Col. Scion and Gano's Pride head this herd. Extra choice Fall and Spring boars. Their dams are our best matured tried sows. G. C. NORMAN Route 10, WINFIELD, KAN.

BIG TYPE UNPAMPERED BERKSHIRES

150 sows bred to Fair Rival 10th, King's 4th Masterpiece, Truetype, King's Truetype, and the great show boar King's 10th Masterpiece. All long, large and heavy boned. Sows farrow from August 1st to December 1st. Eighty bred sows and gilts to farrow soon. Open gilts and boars ready for service. Not a poor back or foot. Every man his money's worth. E. D. KING, BURLINGTON, KANSAS.

Good Duroc Gilts

Do you want Duroc-Jersey gilts, either bred or open, or tried sows bred for March and April farrow. The kind with good size bone and quality? Let me sell you two, four, six or enough to start in the business and start right. They are by such sires as Dandy Model, grandson of reserve champion Dandy Duke and his dam was the champion, Lincoln Model. They are bred right and if you want good gilts priced reasonably we can deal. Write, phone or call soon. HAROLD P. WOOD, ELMDALE, KANSAS

Durocs Priced to Sell 60 Head

**20 Bred Sows and Gilts
20 Choice Spring Boars
10 Handsome June Gilts
10 Fancy June Boars**

They are most all by or out of sows by Tattler, by the champion Tattarrax, Smith Graduate, a grandson of the famous Graduate Col., and Gold Medal, a grandson of Crimson Wonder 4th. The sows and gilts are safe in pig to C. J.'s Col., by Col. Harris. They are the kind that farrow and raise large litters. The spring boars include both the rugged, stock-farmer kind and the kind suited to the breeder. The June boars and gilts have unusual quality. These hogs are fashionably bred, good boned, good colored, handsome headed and the type that will please you.

No Public Sale I prefer to give my customers the benefit of what a sale would cost. These 60 hogs must sell the next 60 days. Special Reduction on Six or More. Come to the farm on Interurban R. R., near Newton, Kan., and let me help you select. If you cannot come write me exactly what you want. Yours for quick business.

J. R. SMITH, Newton, Kansas

Farmers Mail and Breeze, Topeka, Kan.

Gentlemen—I am mailing my check for sale and card advertising. I had a very good sale considering the weather. In fact I got nearly \$10.00 per head more than I expected. I want to congratulate you upon the efficiency of your fieldman, Mr. Hay. He did fine work in my sale. I think he more than paid for the ad by his help. He did everything in his power to make a good sale.

Yours very truly,

ED SHEEHY,
Breeder of Poland China Hogs.

Hume, Mo., Dec. 17, 1914.

will be ready by February 1. His sale is the day following the Poland China sale made by the Agricultural college at Manhattan and this sale is the day before the Jas. W. Anderson sale at Leonardville, Kan.

Klein's Annual Sale.

L. E. Klein, Zeandale, Kan., has claimed February 16 as the date of his big annual Poland China bred sow sale. For the purpose of better accommodating his customers he will sell in Manhattan and has arranged for convenient quarters. He will sell about 40 head of sows and gilts and they will be good. This sale is the day before J. H. Harter sells at the College and those who attend one sale might as well arrange to take in both of them. Mr. Harter will sell at the College sale pavilion on February 17 and start the big Riley county circuit and Mr. Klein, who has recently decided to make a bred sow sale will drop in on the 18th, which is the day before Mr. Harter's sale. This makes it very convenient for all concerned and all five sales can be attended with the same expense. Write Mr. Klein to book you for his catalog. His advertisement will appear in due time in the Farmers Mail and Breeze.

Durocs at Private Sale.

Thompson Brothers, Garrison, Kan., offer in their advertisement in the Duroc-Jersey section of the Farmers Mail and Breeze, boars sired by the Grand Champion, Select Chief. Also four gilts sired by him or bred to him. Select Chief was Grand Champion at Hutchinson, Kan., Oklahoma City, Okla., Muskogee, Okla., Shreveport, La., Hot Springs, Ark., and Dallas, Texas. Select Chief is a line bred Ohio Chief boar. The Thompsons have enjoyed a splendid trade this fall, having sold 25 boars and 38 gilts. Because of this splendid demand they are not going to hold a bred sow sale this winter but will continue to sell their bred sows at private sale. They have 20 gilts either sired by this great boar or bred to him. They also have some choice boars by him and will sell a half interest to a reliable breeder in Select Chief. They are offering their gilts and boars at attractive prices considering quality. All are immune. Look up their advertisement in this issue of the Farmers Mail and Breeze and write them for prices and descriptions.

Lamer's Big Sale.

On January 20, C. W. Lamer, of Salina, Kan., will hold a public auction at his Pioneer Stud Farm consisting of registered Percherons, farm mares and geldings, and mules. The registered stock will consist of 10 mares, 16 fillies, 13 stallions and six colts. The mares will be in foal to the great sire Ilmen, grand champion of American Royal in 1912, and at the time of his importation was said to be the largest colt of his age ever brought from France. The stallions will range in age from yearlings to

is sired by Mastodon Wonder, by Mastodon Chief, dam, by old A Wonder. This boar is a line bred Wonder and one of the best of that strain. Others are by Looks Hadley, by Great Look; dam, Rose Hadley, by Big Hadley. Two others are by Mr. Olivier's A Wonder's Equal, by A Wonder and out of the great sow Giantess 10th. Dams of these sows are by the great champion Capital, the boar that blazed the way to championship honors for "big types" and left a trail so plain all could see. Most all these gilts are granddaughters of the great boar, Great Look, which we regard one of the best boars of the breed and whose sons and daughters are now in good herds from Canada to Louisiana and Ohio to California and have always been able to meet successfully, the strongest competition. These sows are bred to the following boars: Mo's Mastodon Wonder, Look's Tecumseh, I Am Expansion, etc. For catalog and further particulars write E. E. Carver & Son, Guilford, Mo., and arrange to attend the sale.

Nebraska

BY JESSE R. JOHNSON.

B. E. Ridgley of Pickerell, and C. P. Jones of Cortland, Neb., have joined forces and will hold a Poland China bred sow sale at Pickerell on Saturday, February 6, the day following the G. A. Wiebe sale at Beatrice. Pickerell is only seven miles from Beatrice and railroad connections are fine, making it possible for Kansas breeders and farmers to attend these big sales at one expense and without much outlay for railroad fare. Write for catalogs and mention Farmers Mail and Breeze.

Boars at Reduced Prices.

G. A. Wiebe of Beatrice, Neb., writes as follows: "Boar sales are picking up. I have sold 30 head now at an average of \$32.70 and still have 13 choice ones left. We need the room and want to close them out so we can give more attention to the bred sows that go in our February 5 sale and so will make a reduction of from \$2.50 to \$5 a head. All of them are immune and are from big litters and represent the very best big type families. Tell your readers to write for catalog of our big immune Poland China bred sow sale.

Mousel Brothers' Herefords.

The high quality of Mousel Brothers' breeding herd of Hereford cattle is too well known to need special comment. The fact that they are making a public offering from this herd on January 20 is sufficient announcement to attract the attention of all lovers of good Whitefaces. The offering will include 50 bulls and 30 females. There will be herd headers and show bulls of the highest order; the females will be such as will grace any show ring or breeding herd.

DUROC-JERSEYS.

Durocs of Size and Quality Immuned boars and bred gilts, all from large prolific stock. Band C's Col., Superba, Defender, Perfect Col., Good E Nutt Again King, and Ohio Chief blood lines. Description guaranteed. John A. Reed, Lyons, Kansas

Duroc-Jersey Bred Sows Fall Yearlings, bred to Advancer. Extra individuals, Crimson Wonder and Col. blood! Also Tried sows open and yearling and spring boars. Will ship on approval. Bed rock prices for quick sale. W. B. ALBERTSON, LINCOLN, NEB., Route 7.

Immuned Boars and Sows Fifty Immuned Duroc-Jersey boars ready for service, \$25 to \$35 and up. 100 Immuned sows bred to Buddy K 4th, Wide Awake, Crema and others, \$30 to \$50 and up. Ready for immediate shipment. Geo. W. Schwab, Clay Center, Nebr.

HAMPSHIRE.

Registered Hampshires Choice boars and gilts, well marked. A. Swanson, Windsor, Ka.

REGISTERED HAMPSHIRE 150 gilts and boars, all ages. Cholera Immuned. Description guaranteed. C. E. LOWRY, Oxford, Kan.

Reg. Hampshire Gilts Bred or Open Also fall pigs, and the tops of my herd boars. Priced to sell. F. B. WEMPE, Frankfort, Kansas

HAMPSHIRE Best of blood lines, well marked pigs, pairs or trios, with young boar to mate gilts. Breeding stock at all times for sale. Satisfaction guaranteed. S. E. SMITH, LYONS, KANSAS.

For Hampshire Hogs, Dutch Belted Cattle, Arab Stallion COLLIE DOGS AND GEESE FEATHERS. WRITE C. W. WEISENBAUM, ALTAMONT, KANSAS.

SUNNY SLOPE FARM

HAMPSHIRE

Pure bred, registered, well-belted, growthy, vigorous and immune Hampshire Hogs. I guarantee to please you or adjust any difference to your complete satisfaction. FRANK H. PARKS, Olathe, Kansas

BERKSHIRES.

Hazlewood's Berkshires Spring boars, bred gilts—immune: priced to sell. W. O. HAZLEWOOD, WICHITA, KANS.

Large English Berkshires

2 outstanding fall boars now ready for service, price \$40.00 and \$50.00 each. 20 head of spring boars at \$25.00 to \$40.00 each. 30 head of sows and gilts bred for spring litters, price \$35.00 to \$75.00 each. Address H. E. Conroy, Nortonville, Kan.

Walnut Breeding Farm

BERKSHIRE boars and gilts, spring farrow, grandsons of Barron Duke 50th, Big Crusader and Masterpiece 77000 and out of Lord Premier sows, also an imported bred outstanding 2-year-old boar and a few good Hereford bull calves. Leon Waite, Winfield, Ks.

BERKSHIRES

Help me put Berkshires on every farm; some nice boars ready for service, prize winners; also some nice bred gilts. FRED HALL, LONE WOLF, OKLAHOMA

OUTSTANDING BERKSHIRES Priced to SELL

Six spring boars ready to ship; two at \$25 each; two at \$35 each and two at \$50 each. Also one of our herd boars, Ideal Centerpiece 17854 at \$50. 15 sows and gilts and 30 pigs ready to ship. Buy early and save money. J. T. BAYER, YATES CENTER, KANSAS

BERKSHIRES

for show and utility purposes. Write for prices, describing your wants, and get a photograph of the animal quoted you and thus have some idea of what you are going to get for your money. Kiesler Farm, Perryville, Mo.

Special Offering Sutton Farm Berkshires. Image of a pig's head. 125 head for sale, 10 service boars, 15 bred sows and gilts, 100 fancy spring pigs, at attractive prices. Write today. SUTTON FARM LAWRENCE KANSAS

O. I. C. HOGS.

O. I. C. FALL BOARS REGISTERED FREE. HENRY KAMPING, ELSMORE, KANSAS.

THIS O.I.C. SOW WEIGHED 932 LBS. AT 23 MONTHS OLD. IONIA GIRL. Image of a pig.

I have started more breeders on the road to success than any man living. I have the largest and finest herd in the U. S. Every one an early developer, ready for the market at six months old. I want to place one hog in each community to advertise my herd. Write for my plan, "How to Make Money from Hogs." G. S. BENJAMIN, R.F.D. 33 Portland, Mich.

A number of the cows and heifers will have calves at foot and will be rebred to their best bulls. Remember the date, January 20, and write today for the catalog which gives full particulars concerning the breeding. When writing please mention Farmers Mail and Breeze.

Briggs's Immune Sow Sale.

The great opportunity of the season to buy Duroc-Jersey sows bred to great boars will be at Geo. Briggs & Sons' twentieth annual sale to be held at Clay Center, Neb., Monday, January 25. Forty head in this sale will be bred for March farrow to the great Illustrater 2d, one of the few out cross boars for Kansas and Nebraska. A boar of immense size, smooth and without a flaw. Winner of first and championship at Kansas State Fair the past season, second in class at Illinois last year. Everyone of judgment who has seen this boar places him as one of the very best living sires of the breed. The offering is composed almost entirely of big, strong spring gilts that will weigh by sale day around 350 pounds and they will not be very fat either. The writer has looked this offering over without finding a bad back or set of bad feet. Many of them are sired by Crimson Wonder 4th, the boar that has contributed so much to the success of this herd. Others are by Queen's Crimsons and other equally noted boars. The gilts that go in this sale are the tops of over 100 head and it may truthfully be said that every great family known to the breed is represented. Briggs & Sons spare neither time nor money to buy what they consider the best blood and individuality. The buying, at a long price, the great Illustrater 2d was in keeping with this progressive policy. Write for catalog that gives all information. Bids may be sent to Jesse Johnson in care of Geo. Briggs & Sons, Clay Center, Neb.

S. E. Kansas and S. Missouri

BY C. H. HAY.

Anyone needing a good big type Poland China boar or a few bred gilts, should write J. E. Axline of Wellsville Kan. He has a choice lot of individuals and will sell them worth the money.

W. A. Baker & Son of Butler, Mo., the well known Poland China breeders, will hold their annual bred sow sale February 19. This will be one of the toppy offerings of the season, and should not be overlooked by anyone wanting good Polands.

Combination Livestock Sale.

The Miami County Breeders' association is starting an advertisement in this issue announcing their sale at Paola, Kan., Thursday, February 25, 1915. In the card you will find a list of consignors. You will notice that all consignors are widely known and among the very best breeders of the state, so you can depend on the offering being first class. Write O. C. Hagans, Paola, Kan., for more information. Be sure and mention this paper.

Jack and Stallion Sale.

Last issue we ran large display advertisement announcing the sale of jacks, Jennetts and stallions at McCune, Kan. Mr. Fawcett in making his first sale of this kind will put up a most creditable offering and one that will bring him good results in the future. First sales are usually bargain counters and we suggest that any one interested in this line of breeding stock, attend this sale. The date is Saturday, January 16. Wire for catalog if you think it is too late to write.

Sutton's Sales Suit.

Sutton & Porteous, Rural Route 6, Lawrence, Kan., are having a splendid trade on their Angus cattle this season. In December they sold the following breeders: R. B. Choate, Oklahoma; five bulls and he is negotiating for more; A. Hood & Sons, Kansas, got six heifers; R. Pollard & Son of Missouri got three bulls; one bull each went to Wilson & Son, Parker & Son, Leonard Noll, Sam Wingert, all of Kansas; one bull was shipped to Estancia, N. M. This firm's business has increased each year for several seasons as a result of the high class cattle shipped out and the high class business methods employed. The aim of Sutton and Porteous in producing these cattle is size and quality combined with the rugged form of the Angus breed. In their present herd bull, Wakarusa Heatherson 6th, they have one of the best breeders they have ever used on the herd. This bull was bred by Sutton & Porteous and combines the blood of their very best cattle. He is not only an excellent breeder but a show bull as well, being first in class and grand champion at state fairs before being shipped. The herd is in excellent health. At present they have 25 bred yearling heifers for sale and 20 coming yearlings; also about 30 bulls, all ages. Sutton & Porteous are always anxious to show their cattle to interested parties. If interested in their offering write Sutton & Porteous, Rural Route 6, Lawrence, Kan., and mention Farmers Mail and Breeze.

Publisher's News Notes

A Beautiful Catalogue.

Among the beautiful and instructive catalogues received recently is the catalogue of J. A. Bauer, strawberry specialist. This book describes the work of producing small fruits, dealing in facts, and tells how to plant, work, pick and pack strawberries. If you want a copy, write Mr. Bauer of Judsonia, Ark., Box 24, mentioning this paper.

Resolve to Have Music.

Music not only entertains and spreads laughter and happiness, it also broadens and deepens a man's understanding, touches his heart, and makes him a bigger and better man for it. Music in the home makes it a brighter home, educates the children, and exerts a steadily refining influence. No step you could take at this New Year time to enrich your own life and the life of those around you will be so sure of producing results as the purchase of such an instrument as a Victor or a Victrola, which gives you all artists and all instruments in one—all the music of all the world without effort on your part. Pack a Victor into your wagon today, and tonight have Sousa's world-famous band play "The Stars and Stripes Forever" right in your own sitting room! Or listen to Melba, one of the greatest song-

O. I. C. HOGS.

SunnySide Herd O.I.C.

30 Spring pigs both sex, pairs and trios not related, best of breeding, priced right. W. H. Lynch, Reading, Kan.

Grandview Stock Farm

25 O. I. C., March and April, boars and gilts. Special prices for the next thirty days. ANDREW KOSAR, Delphos, Kan.

O. I. C. BRED SOWS and GILTS

A few tried sows and gilts bred for spring farrow; boars ready for service, pairs and trios not related. Best I ever offered. Very reasonable prices. JOHN H. NEEF, BOONVILLE, MISSOURI

Coon Creek O. I. C. Herd

32 Sept. pigs, both sexes, spring boars and gilts, and choice brood sows for sale. A. G. Cook, Luray, Kan.

MULE FOOT HOGS.

Mule Foot Hogs All kinds for sale. Gilts sired by and bred to my first premium winning boars at Ohio and Indiana State fairs of 1913 and 1914. Some fine fall pigs in pairs. Zene G. Hadley, Box 6, Wilmington, Ohio not related.

"Mule Footed Hogs"

The coming hogs of America. Hardy, good rustlers. Pigs 10 to 18 weeks old \$30 per pair. Circular free. J. B. DICK, LABETTE, KANSAS

MAPLE GROVE O. I. C.'s

Pigs 2 to 3 mo. old \$8.00; 3 to 4 mo., \$10.00; 4 to 5 mo., \$12.00; pairs and trios no kin. Gilts farrowed May 2nd, bred to farrow in April, \$20.00. Gilts farrowed last March bred to farrow in March and April, \$22.50. Gilts farrowed January, 1914, bred to farrow in March and April, \$25.00. All bred to boar that won three first premiums at St. Joe, Interstate fairs, last August. Sows to farrow second litters in March, \$30.00; sows to farrow third litters in January, \$35.00; bred to fine herd boar. Entire herd in perfect health and never had cholera on farm. F. J. GREINER, BILLINGS, MISSOURI

POLAND CHINAS.

Poland Chinas with size and quality herd Giant and Long Look. Cholera immune. Stock for sale. LAMBERT BROS., SMITH CENTER, KAN.

Poland China Bred Sows, Norton, Kan., Feb. 13, 40 sows and gilts. A few choice spring boars at private sale. J. F. Foley, Oronoque, Kan. (Norton Co.)

Courtland Herd Big Type Polands

For Sale boars and gilts by Long John. Gilts bred to Orange Wonder 2nd or Tecumseh Sam. W. A. HEINTOSH, COURTLAND, KAN.

I HAVE SOME FALL PIGS for sale at a bargain. Priced to sell. Sired by my blue ribbon, reserve champion and grand champion boar. W. Z. BAKER, RICH HILL, MISSOURI

SPECIAL BOAR BARGAINS

15 yearling and spring boars for sale, sired by Cavett's Mastiff by King Mastiff and Sterling by Brookside, by Hadley. \$20.00 to \$30.00 to move them quick. A. L. ALBRIGHT, WATERVILLE, KANSAS

Erhart's Big Type Polands

25 head of our top sows and gilts for sale, bred to four of the greatest big type Poland China boars in use today including Herodius, a 1200 lb hog; also fall pigs from Orphan Big Gun, Big Hadley, Mr. and Big Giant, at \$20 each; three for \$45.00; a few Robidoux fall males at \$25 each for quick shipment. A. J. Erhart & Sons, Ness City, Kan.

Both Large and Medium Type Polands—300 Head

Great big, stretchy, spring pigs from mammoth sows, the kind that have show type and yet with abundance of size. We want to sell only the kind that will please you and at prices that will make you buy more. Write today. Olivier & Sons, Danville, Kan.

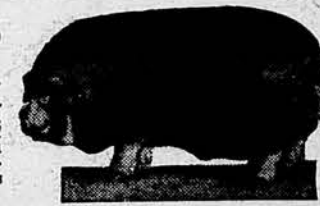


DOOLEY'S SPOTTED POLANDS

Etterville Breeding Farm, home of the old original spotted Poland Chinas. I am selling spring pigs, either sex, sired by five of the biggest and best spotted boars of the breed. Pairs and trios not related. Get your order in early as they are going fast. Over 100 head to select from. EDGAR DOOLEY, EUGENE, MISSOURI

Blough's Large Type Polands

Big Growthy Spring and Yearling Boars, good enough to head a breeder's herd and at prices any farmer can afford. Big, stretchy spring gilts, also a few tried sows and fall yearling gilts will be sold bred for early spring farrow. Come and see these hogs. If you are disappointed in their size or quality when you see them I will pay your car fare home. Yours for business and at prices we both can afford. Write your wants today. JOHN BLOUGH, BUSHONG, KANSAS.



LOOKABAUGH POLAND CHINAS 600 Head. Best of Large Type Breeding.

A Wonder, Hadley, Designor, Long King and other noted blood lines. ANY FARMER CAN AFFORD ONE 100 SPRING BOARS They grow big and mature early and will breed just that way for you. Why not have a crop of pigs next spring that, not only will look good, but make hogs big enough to ship out next fall before the weather gets cold. I want to sell 50 of these boars to farmers the next 30 days and when your pigs arrive if you are not satisfied you have made a good buy I will refund your money cheerfully. But you must do business quickly if you get one of these good boars. Also bred sows and gilts.



H. C. LOOKABAUGH, Watonga, Oklahoma

POLAND CHINAS.

POLAND CHINA BOARS

of March farrow for sale. Prominent breeding. Prices will suit. Address Sam Herren, Penokee, Graham Co., Kan.

Wiebe's Immune Polands March boars weighed 300 lbs. Nov. 1st with 7 1/2 in. bone. Choice March and April boars; \$2.50 to \$5.00 reduction in order to close out and get ready for our Feb. 25th bred sow sale. G. A. WIEBE, BEATRICE, NEBRASKA.

Becker's POLAND CHINAS

Spring gilts, Hadley, Expansion, Mastodon, and other leading strains and safe in pig to Orphan Boy, by Orphan Chief. Fall pigs, pairs and trios, by Orphan Boy and Hadley's Wonder, a grandson of A Wonder. J. H. BECKER, NEWTON, KANSAS

FULKERSON'S BIG TYPE POLANDS

50 serviceable males weighing from 165 to 300 pounds and 175 pigs, either sex, for sale. They are by Ben's Son and Oronoka and out of sows by A Wonder, Bell's Price, etc. 80 registered Shropshire rams. F. D. FULKERSON, BRIMSON, MISSOURI

SHEEHY'S BIG POLAND CHINAS

Fall yearling gilts, spring gilts and tried sows, bred for early farrow. Fall weanling pigs. Everything immune. Ed Sheehy, Hume, Mo.

Success Stock Powder

Corrects indigestion, removes worms, is an appetizer and is absolutely the best conditioner on the market. It is an honest stock conditioner and sold at a fair profit. For reference, testimonials and prices address, DOUGLAS & SON, MANHATTAN, KAN. FARM AGENTS WANTED.

Poland China Boars

March and April farrow. Also a few choice fall yearlings. These are actual tops and for sale at reasonable prices. Strictly Big Type. Gilts reserved for bred sow sale. JAS. ARKELL, Route 4, Junction City, Kansas

Strauss' Big Poland Chinas

Six last fall boars and 18 spring boars by Model Wonder (900 pounds) and Blue Valley Chief by Blue Valley. Write me your wants. O. R. STRAUSS, MILFORD, KANSAS

ENOS' Big Type POLANDS

30 head of fall and spring boars, 40 head of sows and spring gilts by Orphan Chief and Major Hadley. Out of Knox-All-Hadley and A Wonder's Equal dams. All strictly big type. Private sale only. Write for prices. A. H. ENOS, RAMONA, KANSAS.

Gephart—Long King

A few choice spring boars at attractive prices. I will sell 50 bred sows and gilts at the Agricultural College, Feb. 17. I start the big Riley County circuit. Write to day for my catalog. J. H. HARTER, Westmoreland, Kansas.

Fairview Herd Poland Chinas

Choice Fall Yearling and Spring Gilts, bred for March and April farrow, offered at prices to sell quickly. Write us for guaranteed descriptions. P. L. WARE & SON, PAOLA, KANSAS

MT. TABOR HERD POLANDS

I am offering the tops of my 150 spring pigs by four different boars at attractive prices. Write for prices on one or as many as you want. J. D. WILLFOUNG, ZEANDALE, KANSAS.

Axlines' Big Type POLAND CHINAS

Herd Headed by Jumbo Hadley 69993 one of the big boned, smooth, easy feeding kind. Both boars and gilts for sale. Prices reasonable. Write to J. E. AXLINE, WELLSVILLE, KANSAS, or E. E. AXLINE, INDEPENDENCE, MISSOURI

POLAND CHINAS.

KLEIN'S BIG POLANDS

Boars and Gilts, spring farrow at attractive prices. Can furnish them not related. I guarantee satisfaction. **L. E. KLEIN, Zeandale, Kan.**

King of Kansas Bred Sow Sale

50 fall and 50 spring gilts sired by the above great boar. Five choice proven brood sows bred to King of Kansas. A big percent of the gilts bred to Long Jumbo Jr. Write to day for catalog. **J. L. GRIFFITHS, RILEY, KANSAS**

Big Spotted Poland Chinas

50 Big Spotted Poland China sows and gilts in my Feb. 24 bred sow sale. I want you to come. Write today for Catalog. **The Farmers Kind, Alfred Carlson, Cleburne, Kan.**

ABERDEEN-ANGUS.

Aberdeen Angus Cattle

DUROC HOGS
Johnson Workman, Russell, Kan.

ANGUS CATTLE

I will sell my herd bull Rutger Heatherson 3rd, 18604 and eight coming yearling bulls; also some females, open and bred. My herd consists of animals of the best breeding, strong in the blood of the Blackbirds, Queen Mothers, Bruce Hills, Heatherblooms and Lady Jeans.
W. G. Denton, Denton, Kansas

Aberdeen Angus Cattle

50 Females Yearlings and coming yearlings; also one three-year-old bull.
50 Bulls These are the best cattle we have ever offered and priced for quick sale.
Sutton & Porteous, R. O. Lawrence, Kan.

GALLOWAYS.

Registered Galloways

250 in herd. 40 bulls from 5 to 18 months, sired by the 2200 lb. Carnot. Imp. breeding. **W. W. DUNHAM, Denihan, (Hall County), Nebraska.**

CAPITAL VIEW GALLOWAYS

Bulls from 6 months to 2 years; also a few females of modern and quick maturing type.
G. E. Clark, Topeka, Kan.

DAIRY CATTLE.

Sunflower Herd Registered Holsteins

A number of choice young bulls all from A. R. O dams and from proven sires and grandsons. (A good bull is a profitable investment, a cheap bull will prove a disappointment.) Buy a good one from **F. J. SEARLE, OSKALOOSA, KANSAS**

Linscott JERSEYS

Premier Register of Merit Herd Est. 1878. Bulls of Reg. of Merit, Imported, Prize Winning stock. Most fashionable breeding, best individuality. Also cows and heifers. Prices moderate.
R. J. LINSOTT, HOLTON, KANSAS

Holstein-Friesian Bulls

Very attractive prices on a registered herd bull, two years old and on younger registered bull calves for next few weeks. One a son of 90 lb. cow and her grand dam a 101 lb. cow. **HIGGINBOTHAM BROS., ROSSVILLE, KANSAS.**

BONNIE BRAE HOLSTEINS

I am offering this week 7 head of Registered heifers coming two year olds and 6 head of cows from 3 to 5 years old. Will make an attractive price on the bunch. **IRA ROMIG, Sta. B. TOPEKA, KANSAS.**

HIGH GRADE HOLSTEINS

Over 200 head in herd. Special prices on cows and 40 yearling and 2-year-old heifers, sired by Sndt Butter Boy King, whose dam and granddam were 37 lb. cows. 40 miles west of K.C. N. **EAGER, R. R. No. 8, Lawrence, Kansas**

Holsteins For Sale

Big Type
80 head well marked Holstein heifers, two to three years old. Some to be fresh soon, others this spring. Prices reasonable.
WAGGONER & SON, INDEPENDENCE, KS.

Holstein Herd Material

Choice Bull Calves; Serviceable Bulls; and Females:
Herd headed by Wauseona King Korndyke, a grand-son of Pontiac Korndyke, that sired 102 A. R. O. daughters.
T. M. EWING, INDEPENDENCE, KAN.

HOLSTEINS

—CHOICE BULL CALVES
H. B. COWLES, TOPEKA, KANSAS.

SOMMER--BLADS GUERNSEYS!

TUBERCULIN TESTED.
Some matured cows and young bulls by Chief Glenwood Boy of Haddon, Penwyn 2d and Flash of Fenmore (A. R. 55). Address **ERNEST KENYON, Nortonville, Kansas**

GUERNSEYS

I have one very choice Guernsey bull of serviceable age, out of imported sire and dam; also one six-months' old bull—very choice.
OVERLAND GUERNSEY FARM, OVERLAND PARK, KANSAS

birds who ever trilled a note, sing "The Old Folks at Home" or "Comin' Thro' the Rye." There's bound to be a change in your home and in your life if you and those about you listen to music such as this every day. You will work better, eat better, sleep better; your wife will be happier, your children more refined. For no one who has an ear to hear can resist music in one of its forms at least. A Victrola gives you the actual tones of all voices and all instruments and Victor Records include selections by practically every famous artist and player of the day. Any Victor dealer will be glad to demonstrate the different styles of this wonderful instrument and play any music you wish to hear, or you can write to the Victor Talking Machine Co., Camden, N. J. The company will gladly send the latest catalogs of instruments and records.

Horse Has Abscessed Neck

I have a large horse that has a swelling on the top of his neck half way between the ears and the collar mark. I put medicine on the swelling. It came to a head, and has been running for two weeks now. The swelling is no smaller than it was. Will it go away in time? **B. D. Minneapolis, Kan.**

Your horse is affected with an abscessed neck which is to all intents the same as fistula of the withers. The treatment consists in removing all dead and necrotic tissue, making large drainage openings on the side of the neck so that the pus will run out freely, washing off all filth and dirt daily with soap and water and washing out the inside of the wound with a 2 per cent solution of carbolic acid. The treatment usually takes a long time and if you get healing in three months you may consider yourself fortunate.

R. R. Dykstra,

Kansas State Agricultural College.

Cow Gives Bloody Milk

We have a fine Jersey cow that began to give bloody milk about a month after she was fresh. She gave it for a week, and then her milk got all right again. She continues to be affected that way. For a week or two she will give good milk, and then it will be bloody for a week or two. Is there any remedy for this condition?

The cause of bloody milk is either a small ruptured blood vessel, or a tumor in the udder. The manipulations of milking start the rupture to bleeding. It is very difficult in many cases to obtain relief.

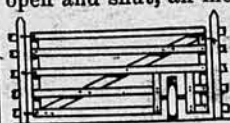
If the bleeding is due to a small ruptured blood vessel the internal administration of an ounce of fluid extract of ergot daily is sometimes of value. If it is due to a wart there is no known treatment. Some persons recommend inflating the udder with air. This operation should be performed under strictly sterile conditions, as otherwise you may set up an infection of the udder which would be much worse than the bleeding.

Dr. R. R. Dykstra,

Kansas State Agricultural College.

Why Drag the Gate?

Most farm gates have to be dragged open and shut, an inconvenience that can be remedied with



little labor and expense. Take a 12-inch iron wheel and fasten to the second slat from the bottom of the gate. The illustration shows how to place the wheel and I can assure you it will work nicely.
High Point, Mo. Harry A. Short.

Water For Hogs

If B. C. D. of Kearney county, Nebraska, will get into communication with **B. W. Ryan** of Clay Center, Kan., he can tell him of a device to water hogs in winter without ice, which also will give them a cool, clean drink in the summer. **B. C. D.**, made his inquiry in the issue of December 26.

James T. McCulloch,

Clay Center, Kan.

Farmers Mail and Breeze Pays Advertisers.

Farmers Mail and Breeze, Topeka, Kan. Gentlemen—Your statement received. Find enclosed check to cover same. Have received several good orders through the Farmers Mail and Breeze and many inquiries. Yours very truly,
G. M. SHEPHERD,
Breeder of Duroc-Jerseys.
Lyons, Kan., Dec. 14, 1914.

Farmers Mail and Breeze, Topeka, Kan. Gentlemen—Kindly take out my advertisement at once. Am entirely sold out of everything I had for sale, and have sent back about \$300 that got here too late. Yours very truly,
PAUL E. HAWORTH,
Poland China Hogs.
Lawrence, Kan.

Every week for years the Farmers Mail and Breeze has printed voluntary letters from its advertisers and different letters are printed every week.

Lookabaugh's Shorthorns

More and better Shorthorns for my customers than ever before. \$20,000 worth of pure bred Registered Shorthorns to sell the next 60 days. \$1000 properly invested in these cattle will make you rich. Come early and get your pick; we pay your car fare home if you do not buy.

Foundation stock that carry the blood of the very best Scotch families.

THE FARMER'S COW



Strong in the blood of the most noted sires of the breed.

2 heifers and a bull — milking strain, not related —\$250.

8 head of heifers, milking strain and Scotch herd bull all for \$1,000.

2 fresh milk cows, calf at foot and rebred—milking strain—\$350.

A car load of rugged young bulls, \$100 to \$150 each.

A WORD TO MR. BREEDER

It is easy to increase the value of every Shorthorn you raise from \$10 to \$30, simply by using a better breeding bull. Stop and figure what this means even on the first crop of calves, whether you have 5 or 50 breeding cows and heifers in your herd. I have never before had such splendid herd bull material from which to select. I want to place these bulls where they will do the most good. The success of those who buy these herd bulls will prove more than all my prize winning and show ring honors my ability as a breeder. Come and see them, you will say with others they are the greatest bunch of herd header material you ever saw on any farm.

CALL ON OR WRITE

H. C. Lookabaugh, Watonga, Okla.

Cattle! Shorthorn Cattle!! 150 Head

(100 cows and heifers bred or with calf at foot. 25 choice young heifers. 25 young bulls, 8 to 20 months old.)

Rosewood Dale by Avondale and out of Rosewood 92nd, a sire of unusual merit heads this herd. A large per cent of these cows and heifers are bred to this son of the champion Avondale. When you visit the herd and see 30 of his last season's get, 17 sweet heifers and 13 young bulls, 8 to 10 months old, they will prove without a word his ability as a sire and you will appreciate more the cows and heifers bred to him. Here is

A RARE CHANCE FOR BREEDER AND FARMER

who can use a number of breeding Shorthorns to increase their number or lay the foundation for a beginning Shorthorn herd.

Special Prices will be made to those who buy a male and females to mate. The foundation females of this herd are mostly from my Wisconsin herd and are strong in milking strains. If you want Shorthorns we can do business. Phone, No. 1212.

LEVI ECKHARDT, 1203 East 10th St., Winfield, Kan.

Reduction Sale of Shorthorns
Come to Doyle Valley Stock Farm



175 Head of Shorthorns

50 HEAD MUST SELL IN 60 DAYS. Here is the Bargain Counter for the man who expects to start in the Shorthorn business. All kinds of Shorthorn Breeding Stock from which to select—Cows, Heifers and Bulls, cows with calf at side others due to calve soon. Included are grandsons and daughters of such sires as Avondale, Prince Oederic and other noted sires. If you want Shorthorns come now. Write, wire or phone me when to meet you at Peabody either Rock Island or Santa Fe Depot.

M. S. CONVERSE, Peabody, Kansas

HIGH GRADE and REGISTERED HOLSTEINS

OVER 100 HEAD OF COWS, HEIFERS AND BULLS.
The silo and dairy cow are here to stay. There is big money and sure profit in the dairy farm if you use the right kind of cows. The Holstein has proven her worth in the North and East and is sure to take the lead in the southwest. Visitors welcome; call or write today.
Clyde Girod, Towanda, Kansas

HOLSTEINS

Herd headed by Sir Juliana Grace's DeKol. Dam one year, semi-official, milk 2207 pounds; Dam one year, semi-official, butter 924 pounds. Sire's dam one year, semi-official, 1026 pounds butter, as a three-year-old (world's record) and over 3,000 pounds butter in three years (world's record). We will let this great bull to a few good cows this season at \$25.00. We have several young bulls for sale. Write for particulars to
SHULTHIS, ROBINSON & SHULTZ,
(Owners), INDEPENDENCE, KANSAS

SHORTHORNS.

Shorthorn Bulls

6 bulls from 10 to 14 months old. Also 6 heifers from 1 to 2 years old. Got by pure Scotch sires. A grand lot. Prices reasonable.

L. M. Noffsinger, Osborne, Kan.

SCOTCH and SCOTCH TOP BULLS

Three pure Scotch bulls; one 12-month-old Butterfly; one 8-month-old Orange Blossom, and one Brawley Bud. Three herd headers. I have other good bulls that carry several Scotch crosses. All priced to sell.

S. B. AMCOATS, CLAY CENTER, KAN.

Shorthorns Priced to Sell

A nice lot of Scotch and Scotch topped bulls 8 to 20 months old; also cows and heifers safe in calf. These cattle can be bought so they will make you a good profit. Do not wait, first come, first served.

**H. C. Stephenson
CLEMETS, (CHASE CO.) KANSAS**

SHORTHORNS

Choice Young Herd Bulls 10 to 14 months old. A few Choice Young Heifers. Some Cows close to calving. Everything guaranteed free from tuberculosis, or any other contagious disease. Prices very reasonable.

C. H. White, Burlington, Kan.

Pearl Herd Shorthorns

Vallant 346162 and Marengo's Pearl 391962 in service on herd. Choice early spring bulls for sale. Thrifty and good prospects. Scotch and Scotch Topped. Correspondence and inspection invited.

**C. W. Taylor
Abilene, Kansas**

Three Shorthorn Bulls

Almost perfect in conformation yet representing three distinct types. **Love**, by Lavender Lord, by Avondale and out of lovely, is a beautiful red calf with great length and heavy bone; weight about 1000 pounds; age 12 months. **Spring Goods 2nd**, by Spring Goods, by Choice Goods and out of Maud Muller, a great cow. One of the best you ever saw; long, deep, wide, low-down, beautiful coat; eight months old; the prize-winner kind. **Avondale 2nd**, out of my Butterfly cow, dropped May 18th, is too good to sell but I cannot afford to keep him. It pays to buy the best, I have them. You can afford to buy them. Photos on request. (Also three extra good Duroc-Jersey boars.) Write today.

D. O. WILSON, Winfield, Kan.

HEREFORDS.

Prime Herefords

Clover Herd headed by Garfield 4th, by Columbus 53rd. Choice cows from Funkhouser, Sunny Slope, Newman and other noted herds.

FOR SALE—Choice bulls of all ages; also heifers and cows. Will sell Garfield 4th, because related to my young stock.

F. S. Jackson, Topeka, Kansas

Herefords-Durocs

3 bulls, 1 year old in March, weight from 450 to 500 pounds several weeks ago. All eligible to record. Sired by a son of the Champion Simpson. 20 extra good Duroc-Jersey boars at \$20 to \$25 each. Spring farrow. Big bred sow sale Feb. 11.

SAMUELSON BROS., CLEBURNE, KAN.

For Sale

20 registered Hereford bulls, 6 to 15 months old, \$75.00 to \$100.00, delivered. 10 registered Heifers, 6 to 9 months old, \$65.00. A-No. 1 coming 3-year-old Columbus bred herd bull. 16 head good registered Poland China boars from 8 to 14 months old, \$15.00 to \$25.00, delivered.

FRED R. COTTRELL, Irving, Ks.

Sedlacek Herefords

14 bulls from 6 to 16 months old for sale. Popular breeding and the best of individuals. Write for full particulars and prices.

J.F. Sedlacek, Blue Rapids, Kan.



Lorimer of the Northwest

(Continued from Page 28.)

did not appear, for he smilingly abandoned the opportunity for improving the occasion. He had put on flesh and vigor, and now, instead of regarding him as a flippant worldling, which was formerly his plainly expressed opinion, he even looked up in a curious way toward my partner, and once informed me that there was a gradely true soul in him under his nonsense. The spell of the mountains and the company of broad-minded cheerful toilers had between them done a good deal for Lee. Then up on the hillside a strip of bunting fluttered from the summit of a blighted pine, the cry "She's coming!" rolled from man to man, and there was a thunderous crash as some one fired a heavy blasting charge. A plume of white vapor rose at the end of the valley, and twinkling metal flashed athwart the pines, while a roar of voices broke out and my own heart beat faster in the succeeding stillness. Enthusiasm is contagious, and a feeling of elation grew upon me. Nearer and nearer came the cars, and when they lurched clattering up the last grade the snorting of the huge locomotive and the whir of flying wheels made very sweet music to those who heard them.

Then as, with the red, quartered ensign fluttering above the head-lamp and each end platform crowded, the train passed the last construction camp, a swarm of blue-shirted toilers cast their hats into the air, and the scream of the brakes was drowned in a mighty cheer, while I found myself cheering vehemently among the rest. The blasts ceased at the funnel, and as the slackening couplings clashed while the cars rolled slowly through the eddying dust I started in amaze, for there were two faces at the unglazed windows of the decorated observation car which I knew well, but had never expected to see there. Martin Lorimer waved his hand toward me as the train stopped, my cousin Alice stood beside him smiling a greeting, and with shame I remembered how long it was since I had sent news to her.

"Have you seen a ghost?" asked Harry. "You are a regular Don Juan. Who is that dainty damsel you are honoring with such marked attention, to the neglect of your lawful business? Don't you see the surveyor is beckoning you?"

This was true, for, standing among a group of elderly men who I supposed were railway magnates or guests of importance, the surveyor, to my astonishment, called me by name.

"I have been looking for you all along the track," he said. "Must present you to these gentlemen. We have been discussing your work."

Several of the party shook hands with me frankly, while the names the surveyor mentioned were already well-known in Winnipeg and Montreal, and have since become famous throughout the Dominion. One with gray hair and an indefinable stamp of authority touched my shoulder with a friendly gesture. "I have had the pleasure of meeting Mr. Lorimer before," he said. "We have some business together, and expect you to join us in the opening ceremony. Meantime, you will excuse me—Jardine, I'm thankful it is your turn. There is evidently a deputation coming."

Preceded by tossing banners, and a band which made up in vigor what it lacked in harmony, a procession approached the train, and its leader began reading something awkwardly from a written paper in time to an undercurrent of semi-ironical encouragement. I saw some of the visitors' eyes twinkle at his sentiments, but for the most part they listened with becoming gravity; and when a man with gold eyeglasses had suitably replied, there was a wild scuffle for even a foothold on the train. One musician smote another, who strove to oust him from a platform, with his cornet, which promptly doubled in; the big drum rolled down a declivity with its owner hurling back wild language in frantic chase of it; then the locomotive snorted, and, with the bell clanging, it hauled the first train into the wooden town amid the acclamations of the populace. After this I had an opportunity for greeting my uncle, and we looked at each other with mutual curiosity. Martin Lorimer seemed thinner and older. His hair was freely sprinkled with white now, but his eyes were as keen as ever, and I could read approval in them. Then as Alice came toward us from an adjoining car he laughed boisterously.

"What do you think of your cousin, lass?" he said. "He left us an obstinate stripling, and this country has hammered him into a man. Thou art a credit to the land that bred thee, lad. Ralph, I wronged thee sorely, like the blundering fool I am, and first of all I ask thy forgiveness."

TO BE CONTINUED.

POLLED DURHAMS.

POLLED DURHAM BULLS

Good Enough X8933, also a coming 2-year-old, by Spring Brook Orange. T. M. Wilson, Lebanon, Kansas.

Sleepy Hollow Polled Durham Cattle

12 good bulls coming 1 year old, bred cows and heifers for sale. Also a number of good jacks. C. M. HOWARD, Hammond, Kansas.

RED POLLED CATTLE.

FOSTER'S RED POLLED CATTLE Write for prices on breeding cattle. C. E. FOSTER, R. R. 4, Eldorado, Kansas.

RED POLLED CATTLE

Choice bulls, cows and heifers for sale. Best of breeding. Write or better come and see. CHARLES MORRISON & SON, Phillipsburg, Kan.

RED POLLED CATTLE

BEST of BLOOD LINES and cattle that will please you. Cows, heifers and young bulls, at attractive prices. I. W. FULTON, MEDORA, KAN.

PUREBRED HORSES.

Miami County Breeders Sale

Thursday, February 25, 1915

J. M. Nolan, Paola, Kan.	Percherons
J. D. Detar, Spring Hill, Kan.	Percherons
J. W. Masters, Paola, Kan.	Percherons
Heflebower & Laskie, Bucyrus, Kan.	Percherons
M. A. Kelly, Bucyrus, Kan.	Herefords
H. L. McMill, Paola, Kan.	Herefords
C. J. Woods, Chiles, Kan.	Polled Durhams
C. L. Ware & Son, Paola, Kan.	Poland Chinas
L. W. O'Keefe, Bucyrus, Kan.	Poland Chinas

For information write O. C. HAGANS, Secy., PAOLA, KANSAS



German Coach

70—Horses—70
The great general purpose horse. Satisfaction guaranteed. Write or call.

J. C. BERGNER & SONS, Pratt, Ks.

Percherons Belgians

I have a fine bunch of Percheron, Belgian and French draft stallions and one Shire stallion. Also mares, colts and fillies that I am offering for sale very cheap. I will sell you a stallion ready for service next spring for from \$300 to \$500. Some extra good ones higher. Colts and fillies very cheap.

**J. M. NOLAN,
Paola, - - Kansas**

PUREBRED HORSES.

STALLION FOR SALE

Best Percheron in Kansas. Coal black, coming 3 years old, will mature 2050 and has the style of a coacher. Registered, sound and right in every way. \$750.00 buys him.

Sutton Farm, Lawrence, Kan.

JACKS AND JENNETS.

35 Years A Breeder For Sale

35 head Jacks and Jennets 14 1/2 to 16 hands. These Jacks have all been raised here on our Farm in Kansas and are acclimated. We are not speculators but raise and sell our own stock. Also 1 Imp. Percheron Stallion and 1 grade Belgian Stallion. In the 3-year Old Form.

M. H. Roller & Son, Circleville, Kan.

Kentucky Jacks and Saddlers

Fine Kentucky, Mammoth jacks with plenty of style, bone and weight. Saddle stallions, mares, colts and fillies. Buy your jacks and horses on the farms where they are bred. Home cured bluegrass seed. COOK FARMS, Box F, Lexington, Ky.

Big Boned Jacks and Jennets

Herd won more prizes at Oklahoma State Fair 1914 than all others combined. One of the oldest established herds in the state. J. H. SMITH Kingfisher, Okla.

MAMMOTH JACKS

You will find at my barns one of the largest number of best quality registered, big-boned black jacks, 15 to over 16 hands, to be found in the U.S. Reference, Banks of Lawrence, Location 40 miles west of Kansas City on the U. P. and Santa Fe. Prices reasonable.

Al E. Smith, Lawrence, Kas.

Jacks and Jennets

A good lot of two to six-year-old jacks, well broke and quick servers, the kind that gets business in any community. Reduced prices for the next 30 days. Call or write.

**PHIL WALKER
MOLINE, KANSAS**

Brilliant Blood, Jet Blacks, Rich Grays

Registered Percheron studs, 1, 2, 3 and 4 years old. I grow the ton type with extraordinary bone and heavy quarters—I love a good horse. Come and visit at my plain old-fashioned Percheron farm that has the goods, and lots of them. Don't let anyone tell you that they have Percherons just like Fred Chandler's. Just above Kansas City. FRED CHANDLER, Route 7, Chariton, Iowa.

Breeders' Sale of 400 REGISTERED HORSES—400

IN COLISEUM, BLOOMINGTON, ILLINOIS, JANUARY 26, 27, 28, 29

300 imported and native-bred registered Percheron, Belgian, French Draft, Shire and Clydesdale stallions and mares.

200 HEAD of imported and registered stallions and mares of the very choicest breeding.

100 HEAD of the best registered mares that ever went into an auction ring.

50 HEAD of imported and registered fillies.

100 REGISTERED STALLIONS of the very choicest breeding and individuality.

100 REGISTERED TROTTERS. Grade draft stallions and mares.

60 HEAD OF PONIES—imported and native-bred registered Shetland and Welsh.

D. AUGSTIN, President. CATALOG READY JAN. 12, 1915. C. W. HURT, Mgr., ARROWSMITH, ILLINOIS

Registered Percheron Studs

We have them, big fellows, 1, 2, 3 and 4 yr. olds. Real Drafters, big bone, lots of quality and action, grown right, will go out and make good both as to sires and foal getters. You lose money if you don't look at Bishop Bros.' Studs before buying. 20 miles east of Wichita on Mo. P. Ry.

BISHOP BROS., Box A, TOWANDA, KANSAS

Watson, Woods Bros. & Kelly Co.

LINCOLN, NEBRASKA
Imported and American Bred Stallions,
PERCHERONS, BELGIANS AND SHIRES.

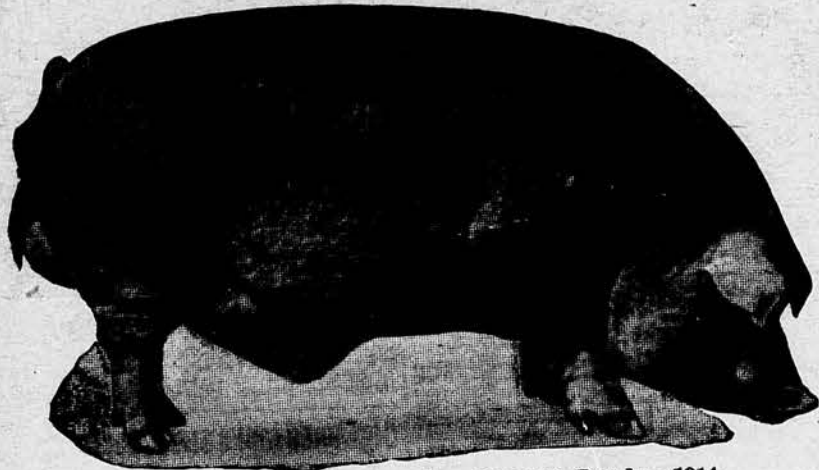
We have a splendid lot of stallions of various ages selected especially for the requirements of our trade. They are big, drafty, clean boned, well finished and good actors. We have never offered better bargains. 150 Choice Holstein Heifers unregistered, from best milking strains, soon to freshen.

OUR PRICES ARE RIGHT



Briggs' Sale!

Clay Center, Nebraska
Monday, Jan. 25, 1915



Illustrator 2d, Grand Champion Boar at Topeka, 1914.

45—Immune Duroc-Jersey Bred Sows at Auction—45

6 TRIED SOWS. 39 SPRING GILTS TOPS FROM OVER 100 HEAD.
40 HEAD BRED TO THE GREAT STATE FAIR WINNER ILLUSTRATOR 2ND LITTER BRO. TO \$2,000 CHAMPION AT ILL. LAST YEAR.

The offering is uniform, extra strong backs and good feet. Sired by our herd boars Crimson Wonder 4th, Queen's Crimson, Ohio King and Briggs's Golden Model. Many are out of sows sired by Crimson Wonder 4th and Lincoln Wonder. Among the attractions will be a two-year-old daughter of Queen's Crimson, full brother to Uneda Crimson Wonder.

Everything is bred for March farrow. Remember ILLUSTRATOR 2ND is one of the greatest living boars of the breed. 1st and champion at Kansas State Fair the past season and an out cross for Kansas and Nebraska breeders. Write early for catalog. Trains met at Clay Center, Fairfield, and Harvard.

GEO. BRIGGS & SONS, Clay Center, Neb.

AUCTIONEER—Col. N. G. Krashcel.
Jesse Johnson will represent this paper. Send him bids in our care.

Hereford Sale

Wamego, Ks., Saturday, Jan. 23

50 Breeding Females
15 Bulls, 18 to 24 Months Old.

I am going to offer to the public on this occasion one of the most useful lots of breeding cattle that has been presented at public auction in recent years. The females will include 10 young, useful cows that have proven good producers; FIFTEEN two-year-old heifers, having abundant scale and quality, sired by DALE 21652, DANDY ANDREW 27th and TOGO 257836 and safe in calf to the champion SIMPSON; TWENTY-FIVE yearling heifers sired by LERADO BOY 35846, DANDY ANDREW 6th, BEAU MISTIC 39th and OHIO DONALD 290050.

FIFTEEN BULLS, 18 to 24 months old by the sires above mentioned.
Write for catalog and be my guest January 23.

CARL MILLER, Belvue, Kan.

AUCTIONEER—Col. Fred Reppert.

MOUSELS' HEREFORDS

== AT AUCTION ==

Cambridge, Nebraska, January 20, 1915

Sale to be held under cover, commencing at twelve thirty sharp. Cambridge is located on the main line of the Burlington running from Kansas City and Omaha by the way of Denver and is easily reached from any route.

The most select lot of Herefords we have ever offered at public auction. Fifty bulls and thirty females of good ages, bone and quality. Herd headers and show bulls of the highest order. Range bulls that are strictly high class and of good strong, serviceable ages; show females, and a number of young cows and heifers with calf at foot and rebred to our best bulls.

Send for illustrated catalog and full particulars.

MOUSEL BROS., Cambridge, Neb.

DUROC-JERSEY Brood Sow Sale

Aledo, Ill., Jan. 26, 1915

(There's no other time like the right time and that is NOW. We are selling the best we have.)

PROUD CHIEF (145889), by Proud Ohio Chief, (69219), by Ohio Chief (29571). Dam; Milley (269828), by Wonder Boy 87895). 1st prize winner at the Iowa State Fair in 1913.

ILLUSTRATOR 3RD (144199), by Illustrator 2nd (129093), by L. E.'s Valley King (120621). Dam; Miss Briggs (287828), by Cherry Boy (56503). Won 4th prize at the Illinois State Fair in 1914.

DODSON'S NONPAREIL, sired by Round Up (143131) by Chief Defender (120129). Dam; Golden Queen 28th (341900), by Golden Model 2nd (77339). This pig won 5th prize at the Illinois State Fair in 1914.

SELECT KING, bred by Hanks & Bishop of Iowa, sired by Cherry Chief (21335) by High Chief (13425). Dam; Red Rose (106928).

The forty sows will be bred to the above herd hogs and sired by Defender Boy (147919), Meddler 2nd (147921), The Governor (142999), Musketeer (40483), Strawberry King (147817), Proud Duke (160619), Professor II (133282), Proud Ohio Chief (11756P), Crimson Ohio, (98375), out of daughters of Proud Chief (145889), Cherry Chief (21335), Nebraska Wonder (114957), Model Chief Again (90465), Professor II (133282), Red Max (43343).

We sell in Warnock's sale pavilion at Aledo. Both the R. R. and interurban service is splendid. We will not say this is the best offering ever to be sold but you will kindly allow us to say we do not know where they could be beaten. We presume all who read this announcement are interested in Duroc-Jersey hogs and if so writ for our catalog.

IRA DODSON & SON, Aledo, Ill.

Send bids in our care to Ed. R. Dorsey, fieldman.

Shorthorn Cattle

BIG BONE, PRIZE-WINNING
POLANDS

Guilford, Mo., Thursday, Jan. 21

Twenty registered Shorthorn cattle as good as can be found anywhere

Twenty big type Poland China sows; good enough in quality to win at State fairs and American Royal. Most all of our cows have calves at foot by Count Ramsdon (24714). Col. Geo. Bellows once said, "There might be better bulls than Count Ramsdon, but the world hasn't a higher or better bred bull in it." Not only are these cows high bred but they are the milk-and-butter kind. (We keep no Jerseys to furnish the milk and butter.)

This is a very important Poland China sale. The twenty bred sows are daughters or granddaughters of Looks Hadley (69109), Great Look (47659), Grand Look (38305), Missouri's Mastodon Wonder (61477) and Capital 53854. All are bred to our own herd boars on Evergreen Stock Farm: Mastodon Wonder (61477), one of Mastodon Chief's best sons; I Am Expansion, by Mammoth Expansion (66964) out of Expansion's Darkness by Expansion's Son; Look Tecumseh 72694, by Great Look 47659. Dam Big May 3d, by Expansion's Son.

REMARKS: We are selling nothing but first class animals. They are a credit to the reputation that Evergreen Farm has enjoyed for thirty-five years. Guilford is thirty miles N. E. of St. Joseph, Mo., on the Great Western R. R. Trains arrive and depart in time to take in the sale. You are invited to spend a day with us on Evergreen Farm and see our Shorthorns and Poland Chinas. If it is impossible to attend and you desire to buy just send your bid to Ed R. Dorsey, fieldman, in my care. Send for catalog.

E. E. Carver & Son,
Guilford, Missouri

Percheron Sale!

On Wednesday, January 20th, 1915, I will sell at Public Auction, commencing at 10:30 a. m. on my Pioneer Stud Farm, 17 miles south of Salina, three miles east and one mile north of Lindsay, two miles south of Bridgeport, Kansas:

Wednesday, Jan. 20, 1915

45 Head Registered Stallions, Mares and Colts

Consisting of Ten (10) Mares; Sixteen (16) Fillies; Thirteen (13) Stallions; Six (6) Colts. These mares are all bred and in foal by the Grand Champion Stallion Ilmen (80190) 78696. Ilmen (80190) 78696 was awarded Grand Championship at the American Royal Live Stock Show at Kansas City in 1912. Most of these mares were worked on my farm the past summer and every attention was given to secure them safe in foal. My stallions consist of yearlings and two, three and four year olds and without any exceptions I can show you as much weight and conformation as you will find in any one barn. No breeder owns a bunch of yearlings that will excel the ones I am offering in this sale.

NOTE: Also Twenty (20) head of Mules; Fifty (50) head of Farm Mares, part of them heavy in foal and as good as you will find anywhere in the country, from 3 to 7 years old. Five (5) Saddle Horses.

Trains leave Kansas City on Union Pacific for Salina at 8:00 a. m., 10:30 a. m., and 6:00 p. m., each day. **Special Train** for Station at farm will leave Salina on Union Pacific at 8:30 a. m., morning of sale—returning after the sale. Write for catalog. When the clock shows 10:30 we will be selling horses.

C. W. LAMER, Salina, Kansas

AUCTIONEERS—Sayer, Curphey, Crews and Morene.

Combination Registered Percheron Sale

At State Fair Grounds

Topeka, Kan., Wed., Jan. 13

30—HEAD—30

14 Stallions—16 Mares

The following breeders will have consignments in this sale: W. A. Gilchrist, Topeka, Kan.; D. F. McAlister, Topeka, Kan.; Geo. Groenmiller & Son, Pomona, Kan.; John W. Foster, Elmont, Kan.; H. W. McAfee, Topeka, Kan.; Wm. Branson, Overbrook, Kan.; R. H. Town, Valencia, Kan.; H. J. Urish, Seranton, Kan.; and J. T. Schwalm, Baldwin, Kan.

Casino blood prevails in most of the animals in this offering. One of the mares consigned by H. W. McAfee is a granddaughter of Casino. For catalog write Chas. Crews or D. F. McAlister.

H. W. McAFEE, Mgr., Rt. 8, Topeka, Kan.

D. F. McALISTER, Sec'y,

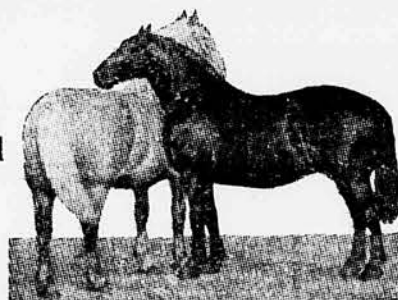
Station C, Rt. 8, Topeka, Kan.

Clerk, J. W. Thurston. Fieldman, J. W. Johnson.
Auctioneers, Crews & Ansel, J. T. McCullough.

Percheron Stallions and Mares

50 Head of
Percherons

All Registered
in the
Percheron
Society
of America



Algarve
by Samson

at the head of
the herd, is a
wonderfully im-
pressive sire,
weighing over
2200 pounds.

Young stallions and mares by Algarve and big handsome mares of correct type, in foal to him, make up a large part of this offering. His two-year-old daughter was 1st in class at the International and the mares we offer you bred to him are the kind that will do honor to him.

If you want Percherons, we want to meet you and there is no better way than right at our barns and pastures, where you can see what they are and how we raise them. When you see this year's crop of big-boned, square-built, handsome colts you will have a better idea of what we have to sell.

These Percherons are strong in the best blood ever imported from France. They have size, bone and conformation that cannot help but please you if you want the good, big draft type of Percheron. We expect to sell Percherons because we have the right kind and at prices you will say are reasonable. Write wire or phone what you want or when you can call at the farm, 3 miles East of Great Bend. Shipment over both Missouri Pacific and Santa Fe. Call on or address

Harris Bros., Great Bend, Kan.

B-U-S-T-E-D P-R-I-C-E-S

50,000 Big Bargains—And the Reason!!

Water or Storage Tanks
Made of 20 gauge galvanized steel; w/ rust; strongly made with riveted seams.

Lot No. F-1901. Cap. 2 1/2 Bbls. \$4.25
Lot No. F-1902. Cap. 3 Bbls. \$5.50
Lot No. F-1903. Cap. 4 Bbls. \$6.75
Larger sizes proportionately low.

BARGAIN CLOSET OUTFIT \$9.98

Elegant low tank closet outfit of guaranteed "A" grade material; nickel plated trimmings. Golden oak seat.
Lot No. 5-F-902. Other like savings in Free Plumbing Book.

Save Half on Rugs

Finest rugs from auctions, all grades, sizes, patterns and colors. Biggest rug, blue and red carpet bargains ever offered; see them in actual colors in our book. 9x12 ft. rugs \$3.38, 36 inch Axminster \$7c.

Fine Shoes \$1.28

Just one of the many remarkable values offered in our Shoe Department. Stylish last in Patent Colt blucher. Cuban heel. Sizes 7 to 8. \$2.00 value. Width, 2E. Order by lot No. F-48. Proportional savings on shoes for all.

Iron Pipe and Fittings

3c per ft.
Good iron pipe in random lengths, complete with couplings. Suitable for gas, oil, water and conveyance of all liquids. Size 1/2 to 1 1/2 in. Our price on 1 in., per ft., 14¢. 1 1/2 in. Complete stock of valves and fittings. Send us specifications and requirements. Largest size priced just as low.

White Porcelain Lavatory \$7.98

Porcelain enameled cast iron, one piece half circle roll rim lavatory with all fittings. See the many other savings in Free Plumbing Book. Send for it today!
Lot No. F-321.

\$4.39 Tank Heater

Self sinking cast iron tank heater. Needs no rods to hold it down. May be used in galvanized, cement, wood or any kind of tank. Complete with gaskets, set tray and 24-inch smoke stack with damper. Any fuel. Width 12 in. Height 24 in. Lot No. F-38.

Guaranteed Shot Gun \$3.45

Best grade long range, single-barrel shot gun with extra quality nitro steel barrel, front tapered choked bore. Used with black or smokeless powder. Lot No. F-539. 12 gauge, 30 or 32 in. barrel. But one of our many sporting goods bargains. Write for Free Catalog.

EXPLANATION

Why We Can Undersell Any Other Concern On Earth

Countless thousands of shrewd, posted Buyers KNOW that we DO undersell others, but do YOU know why? Talk is cheap. Big claims are easy to make. So, here is the exact REASON WHY we can—AND DO—S-M-A-S-H all competition: Our unique and original buying methods are different from any concern on earth.

Get this idea: Why are we known from ocean to ocean as the "Great Price Wreckers?" Because for 22 years we have bought—and sold—absolutely nothing but bargains. Price Wrecking on a gigantic scale we have reduced to a system of automatic machine-like efficiency. We buy nothing in the regular way. We are interested only in Bankrupt Stocks, Sheriffs' and Receivers' Sales, Big Rug Auctions, Furniture Expositions, Manufacturers' Outlet Sales, etc., where our \$10,000,000 buying power gives us at our own price the cream of the country's merchandise offered at forced sale. If the goods are new, clean and desirable, and the prices right, they are practically certain to find their way to our 40-Acre Price Wrecking Plant for distribution to our vast army of customers at one small added profit.

Buy like we do—nothing but bargains! Share the benefits of our P-R-I-C-E W-R-E-C-K-I-N-G System. Don't pay Boosted prices. Pay our B-U-S-T-E-D Prices and keep the big saving in your pocket. You can safely order anything on this page with your eyes shut, because everything we sell is backed by our \$10,000,000 "Satisfaction-or-Money-Back" Guarantee. Every price a tremendous economy, truly representative of the 50,000 additional bargains listed in our Mammoth "PRICE WRECKER." Write for it today.

HARRIS BROTHERS CO., OWNERS
Chicago House Wrecking Co.

Hog Troughs 89c

Biggest bargain ever offered on strong, durable Troughs for hogs and cattle. Heavy galvanized steel cross bars and legs, square rivets; Round bottom; easily cleaned. 5 1/2 ft. long x 16 gauge. Each, 89c. Order by lot No. F-42. Heaviest galvanized iron, standard size, 6 ft. long. Each, \$1.05. Lot No. F-44.

Bath Tub Complete \$13.00

White enameled, cast iron, one-piece, heavy roll rim bath tub; 6 ft. long; latest style nickel-plated trimmings, including Fuller double bath looks for hot and cold water, nickel-plated concealed waste and overflow and nickel-plated supply pipes. Order lot No. F-101.

Wood Plane 75c

Wood bottom smoothing plane. Length 8 in.; outer 1 1/4 in. A good tool for all purpose small and large tools proportionately low.

Kitchen Sink 87c

Guaranteed "A" grade cast iron. No flaws or defects. Complete with nickel-plated strainer and iron sink collar and bolts. Standard size connection. Order lot No. F-39. Painted Sinks, 18x24 in., 87c. Order lot No. F-40. Enameled Sinks, \$2.55.

Heating Plants Priced Low

You can easily install your own Heating Plant with the assistance of our free expert engineering service. Warm air as low as \$67.00, steam \$134.00 and hot water \$154.00. Send for our Free Heating Book today.

Shingle Bargains

Lot No. F-923. Clear 5-2, 16 in. Washington red cedar shingles, per 1000, \$2.57. Lot No. F-924. Extra Star "A" Star, 6-2 1/2 in. Washington red cedar shingles, per 1000, \$2.59. Lot No. F-925. Extra clear 5-3, 16 in. Washington red cedar shingles. Absolutely clear. Per 1000, \$3.27.

Four Tools in One \$2.65

Combination tool consisting of vice, drill, saw and handle. Works easily. Quickly adjusted. Steel faced jaws, opens 8 in. Width of jaws, 2 1/2 in. Case hardened steel. Drills hold up to 3/8 in. Lot No. F-721. Drills not supplied.

Horse Shoes -- 100-Lb. Keg \$2.49

Specially purchased and offered while they last at this big saving. Sizes, 0 to 1, fronts and hind, Strong and nicely made of light steel. Lot No. F-816.

Right Now is the Time

Lumber Prices S-M-A-S-H-E-D
Send Your Lumber Bills to Us!!

We lead the world on Lumber! No one can compete with us on our great specialty. Our bed-rock B-U-S-T-E-D Prices on over 20,000,000 feet of brand new, high grade material, suitable for every building need, undersell every concern on earth. Make no mistake! When the "GREAT PRICE WRECKERS" say it's so!! No matter who or where you are—or what you're going to build—we positively guarantee to make you a tremendous saving on material. The simple easy way to make us prove it is to send us your lumber bills and get our figures. Prices fall? Seeing is believing. Come to Chicago. Visit our vast 40-Acre PRICE WRECKING Plant. View the millions upon millions of feet of choice up-to-grade lumber awaiting your selections, and all possible doubt will disappear! You will then realize that it would be the height of folly to buy lumber from any one but us. We require no money in advance. Send us your lumber bills now!



"I saved big money by sending my Lumber Bills to Harris Brothers for their Buster Prices."

To Build or Improve!

Material in this Home \$759

Think of it—you Home Lovers! Here's your dream come true! Only \$759 pays for the material to build this beautiful modern Harris Home No. 6-A; an up-to-date, full 2-story, 7-room house with bath—a real home that any real man or woman would be proud and happy to own. Easily built under our no shortage, no extras system, with positive, accurate plans. The tremendous saving is due to our different buying and selling methods; only one of over 100 similar Home Building Bargains shown in our \$10,000 Book of Plans. Coupon or letter brings it FREE.

READY CUT doors and window frames; inside door jambs; outside door and window casings; balance in lengths to work without cutting or waste, wherever possible. Coupon with \$1.00 brings complete set of blue print plans, specifications, material list and guaranteed delivery price to your station. If plans do not suit, return them and we will refund you 50¢. We require no money down on shipments of material.



READY ROOFING 47c Per Square

Best buys the best and heaviest 3 ply rubber surfaced, perfect, lasting roof covering. Our Ajax brand in rolls containing 108 sq. ft. 2 to 3 pieces in every roll. Nails and cement included. For 3 ply order by lot No. F-28. For 2 ply, price per sq. \$5c. Order by lot No. F-29. For 1 ply, price per sq. 75c. Order by lot No. F-30. For 1/2 ply, price per square 47c. Order by lot No. F-18.

\$1.15 buys high grade red or green slate asphalt roofing. Rolls contain 108 sq. ft. to 3 pieces to the roll. Nails and cement included. Order by lot No. F-31.

\$1.75 buys our unequalled heaviest white marble surfaced, Gold Medal Roofing. One piece continuous length rolls, contain 108 sq. ft. An unequalled quality and service guarantee for 20 years goes with every roll. Nails and cement included. Order by lot No. F-27.

METAL ROOFING \$1.19 Per Square

Never before have we been so splendidly equipped to supply best roofing at lowest prices. We are originators of roofing direct to the consumer. In controlling our own factories we have made better arrangements for this season than ever before, to supply positively the best roofing bargains. Perfect light weight sheets, 22 inches wide and 72 inches long. 1-4 inch corrugated. Order by lot No. F-25. Write for Free Roofing Book Today.

Best Mixed 89c

The name "Michaelsen" on paint has been a guarantee of quality for years. Order by lot No. F-41. For best ready mixed house paint at 89c per gallon. Michaelsen Bar Paint at 56c per gallon. Lot No. F-42. Write for Free Paint Book.

Stop!

THINK! ACT!!

Why should any Farmer pay regular prices for anything nowadays? Wise, well-posted buyers everywhere have learned to buy their supplies of all kinds direct from the vast 40-Acre Bargain Plant of the Chicago House Wrecking Co., owned and operated by Harris Brothers, the great "Price Wreckers." Their \$10,000,000 Cash Capital guarantees satisfaction or money back on every sale.

Strong Fencing, Per Rod 14c

Here again our extensive operations and big deals enable us to quote heretofore unheard of low prices. Strong, heavy Fencing fortunately secured recently at our own price. 26-inch, 7 line wires high. Square mesh, stays 12 inches apart. Put up in rolls of 20, 30 and 40 rods. Order by lot No. F-33. Same as above, except stays space 6 inches, per rod 21c. Order lot No. F-32. Staples for erection, 100 lbs., \$1.75. Order by lot No. F-34. Our wire catalog tells more.

Galvanized Wire Fence \$1.13 Per 100 LBS.

Smooth galvanized wire. A handy and positive necessity about the farm. Suitable for fences, stay wires, grape vines and all purposes for which wire is generally used. Put up in rolls of irregular lengths ranging from 50 to 250 feet. This low price is for 100 pounds of our No. 9 gauge, the standard size mostly in demand. We have every desired size in this lot at proportionately low prices. Order by lot No. F-37. Galvanized Staples 2c per lb.

Barb Wire Less than 2c Per Rod

New galvanized heavy weight Barbed Wire. Put up on reels of about 100 lbs. 2 point barbs. Strong and well made for long service. Price per 100 lbs., \$1.95. Order by lot No. F-35.

Galvanized Barbed Wire, light weight, first grade and best made, put up exactly 80 rods to the reel. 2 point barbs. Price per reel, \$1.45. Order by lot No. F-36. Best quality Barbed Wire per 100 lbs., \$2.25. Order lot No. F-12.

Mixed Wire Nails 100 Lbs. \$1.25

Standard wire nails put up in 100 pound kegs, all kinds and sizes mixed. Price per keg, \$1.25. Order by lot No. F-45.

100-lb. kegs, per keg, \$1.65. Order by lot No. F-46.

\$10.00 Washing Machine \$6.49

Biggest and best high speed washing machine. Operates from sitting or standing position. Runs easier with a full load than others do empty. Lot No. F-425.

FREE THIS BIG BOOK OF 50,000 BARGAINS

You Need this Wonderful Big "PRICE WRECKER," filled with 50,000 Bargains!!

Nearly 1,000 profusely illustrated pages of clean, new, desirable merchandise covering every need for farm, factory, home and personal use at prices that simply wipe out all competition. Send for yours today! The free coupon, letter or postal brings it at once to your door. Let this greatest of all guides to Bargain Buying start you saving on everything you need.

HARRIS BROTHERS CO.
35 IN GIRON ST. CHICAGO, U.S.A.

\$1.89 Buys This Khaki Suit

Heavy weight genuine Khaki cloth suit. Strongly made, nicely finished. Standard model, single breasted coat with two outside patch pockets and one breast pocket. Regular trousers with belt loop, side pockets and cuff bottoms. Reinforced seams. Khaki belt with each suit free. Lot No. F-270.

Here's the Best Ever!! \$21.50

1 1/4 H.P. 4 Cyl.
Positively the biggest small engine value ever offered. Test it 30 days at our risk and judge for yourself. Unexcelled in service and fuel saving for pumping, grinding, sawing, cream separator, washing machine, etc. Only \$21.50

This Fine Door 98c

Lot No. F-27; this splendid door bargain is but one of our building material savings. Consider this—a good and substantial, four panel painted door for 98c. Convince yourself of the big savings we are equipped to make you on a full line of millwork of every description. Ask for our catalog of lumber and millwork bargains. You will get all the building information you require. Every single item for the erection of any building priced low.

Mail this Coupon Now

The Big PRICE WRECKER are eager to give you the benefit of their gigantic \$10,000,000 BUYING POWER.

Buy like we do—nothing but BARGAINS. Don't pay regular prices for anything you need.

Bath Room Outfit \$37.50

Extra values in high grade brand new "A" quality plumbing material at all times. Enameled beautiful mahogany finish; rubber tire, ball bearings, smooth running wheels. Price, complete with handle, only \$4.50. Order by lot No. F-47.

\$4.39 Buys this Vacuum

Wonderful value! Thousands sold at \$10.00. Vacuum cleans carpets, rugs, etc., perfectly. Sucks out all dust, takes up thread, lint, etc. Sanitary steel body beautiful mahogany finish; rubber tire, ball bearings, smooth running wheels. Price, complete with handle, only \$4.50. Order by lot No. F-47.

DINING TABLE "SNAP" Less than Factory Price \$5.45

Just as illustrated, well made and finished a rich golden. Made by one of America's best and biggest factories to sell for 60 per cent more. 42 inch top. Complete with two leaves. Non-blinding slides. Good top lock. While supply lasts. Order by lot No. F-49. Price only \$5.45. Other sizes and styles at proportionately savings.

HARRIS BROTHERS CO. 35th & Iron Sts. CHICAGO

HARRIS BROS. CO., Dept. F. 57 Chicago

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Plan Book of Houses & Barns Roofing, Siding and Ceiling

Wire and Fencing Plumbing & Heating Paint

My Name is.....

My Address is.....

County..... State.....

R. R..... P. O.....