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The FARMERS MAIL

AND BREEZE

Vol. 45

No. 48



A Lookabaugh Bunch—Cause and Effect

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JUST ABOUT FARMING

AN EXCELLENT record has been made by the sorghums this year. They have shown that they can produce high yields when the rainfall is large, just as they already have demonstrated that they can give good returns when the moisture is deficient. There is a considerable interest in these crops, especially in feterita, Sudan grass, kafirs, milos and in Kansas Orange sorghum in eastern Kansas and Red Amber sorghum farther west. It is probable that there will be a great increase in the acreage next year.

Isola

Isola, the grand champion Percheron stallion at the Kansas State Fair at Hutchinson, is now on the farm of the Kansas State Agricultural college at Manhattan, in charge of the animal husbandry department. He is owned by the Lyon County Percheron Breeders' association, which is allowing the college to use him this winter in its teaching work. This is an excellent idea, for it will help Dr. C. W. McCampbell greatly in teaching his courses in horse production. It is merely another indication that Kansas is making rapid progress in developing better horses—the advancement which is being made along this line is decidedly encouraging.

Drainage

This season has called attention to the vital need for better drainage. Many of the county agents are urging that more tiling should be done; P. H. Ross of Leavenworth county has been especially active in this. In a recent News Letter issued from his office, he says:

Those hillside seeps and wet flat fields are a bigger drain on Leavenworth county farmers than the taxes, and the cost of draining them probably is lighter than you think. Sure and certain returns can be realized from an investment in drain tile if the work is done properly. You have paid the water tax long enough. The hillside seeps are easily handled, and the results are at once apparent. The low, flat lands are a more difficult problem, and the results come slower. I will be glad at any time to go over your drainage problem with you, help lay out the tile lines, and make an estimate of the cost.

P. H. Ross

The county farm bureau idea has won in Kansas, and the movement is taking a big part in the agricultural progress of the counties where it is established. All the county agents are doing excellent work, which has a higher value than is generally recognized. While all of this is being considered the man who started the movement should not be forgotten. P. H. Ross, who became county agent of Leavenworth county August 1, 1912, was the first agent in the state. He started into the work when it was new and untried, when a very high proportion of the farmers believed that it would fail. Instead it has become a big factor in the excellent agricultural progress of Leavenworth county. This was well shown by the big fall festival which was held at Leavenworth recently. It also is indicated by the fact that the farm bureau now has 263 members, while it started with but 56 farmers.

Scientific Farming

Still there are farmers who look upon scientific agriculture as the medieval church looked on scientific astronomy, says Harold Chase in the Topeka Capital, but those who scoff at what the scientific agriculturists know or can do should be fair enough to agree that if the wizards at Manhattan, for instance, can go into competition at big fairs with the best producers of many lines, livestock and farm and horticulture, and get away with the prizes, they are making a pretty strong case for agricultural science.

A Manhattan dispatch says that "the most extensive winnings ever made by any institution at the American Royal Stock Show were secured by the Kansas State Agricultural college this year."

Before a farmer condemns the scientists at Manhattan or elsewhere, let him go in and carry away a few grand prizes in his own line. Kansas farm-

ers, however, as a rule cheerfully support the agricultural college, and their boys are all for it.

George Groh

The remarkable record which is being made by George Groh of Wathena on his fruit farm near that town deserves more than ordinary attention. He recently sold his Jonathan crop for \$3.25 a barrel, which maintains his reputation for getting far more than the ordinary prices for his fruit. His success is an excellent example of the big financial reward which can be obtained by a man who follows the best methods which have been worked out by specialists. George Groh, the practical fruit grower, and J. H. Merrill, of the department of entomology of the Kansas State Agricultural college, a specialist in fruit insects and diseases, made a winning combination. It is a combination, by the way, which has brought a great deal of profit to Mr. Groh. He has turned his fruit into cash—instead of into worms and cider apples.

Irrigation

The Topeka market is being supplied entirely with home-grown celery. Most gardeners have the belief that celery will not grow to advantage in this section, but B. H. Pugh, one of the leading potato growers of Shawnee county, is supplying the Topeka market with all the celery now being consumed. It has a better flavor than the celery usually received from Kalamazoo, Colorado and California, according to local epicures.

Irrigation, even during so wet a season as last summer, was needed to make the celery crop grow. Using a big gasoline engine and centrifugal pump, Mr. Pugh irrigated his celery three times "between showers" last summer. In a dry summer the celery would need many more irrigations.

"I believe that with irrigation good celery can be grown in Shawnee county every summer, no matter how hot and dry the season is," said Mr. Pugh.

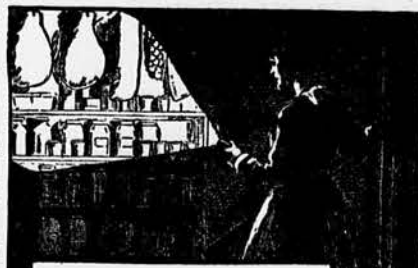
The success encountered by Mr. Pugh shows that irrigation has a place in eastern Kansas—that profits were obtained from it even in a season like 1915, which had an excessive rainfall that cannot be expected again soon, judging from the law of the average. There is certain to be a considerable increase in the use of pumping plants for irrigation in eastern Kansas in the next few years.

Dried Beans

We have just received a lengthy article from Washington explaining the attitude of the United States Department of Agriculture toward dried beans. This is extremely gratifying. If there is one thing we have worried over, more than another, it has been the Department's silence with respect to this bean business. Whole counties, we imagine, have been sitting up nights wondering when the country would hear the truth, and for all we know to the contrary factional strife threatening the political future of the nation may have been narrowly averted by this timely bulletin.

Furthermore, we wish it understood here and now that, no matter how much we differed with the Department about its lunk-headed management of the foot and mouth disease, we are ready to hip-hip-hurray over its stand on the bean problem. Under the Food and Drug Act beans are adulterated if they consist "in whole or in part of a filthy, decomposed or putrid animal or vegetable substance." We believe the entire country will agree with the Department on this point. The Department may sleep occasionally in its livestock work but it is right on the job when the nation's beans are at stake.

If the poor food sleuths will now do something in the interest of better bread, a minimum of one-half inch pie-filling, and less dried bean coffee in the restaurants of the land, a million traveling men will adopt resolutions and votes of thanks. This nation has a heap of food for every man of means; three cheers and also hip, hooray for every plate of beans, as Walt Mason might say, but didn't.



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THE FARMERS MAIL AND BREEZE

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The Rural Churches Need Pep

Without Some "Get Up" in Them the City Churches, Too, Would Die

By the Rev. Arthur E. Holt

THE church is going to have a more important part in rural life. Not because the minister can umpire a baseball game, nor because the church can afford a roof under which a farmers' institute can be held, nor because corn is grown in the churchyard instead of planting it with tombstones, but because it has a platform which deals with vital issues. It must co-operate with the Grange and the agricultural college.

Someone has said that "the one thing in which Jesus believed with unwavering faith was the value of a person to himself and his worth to God." I know of no better words in which to state the fundamental message of the church to the coming rural civilization. The farmer is a man with duties and privileges; he has an honorable vocation which he is to work out as a man. Let the church make that message plain with all its implications for an enriched, abundant life, and it affords the platform on which a new rural civilization can be built.

There are two groups of leaders which will mean much to the country church. The first is the country minister. The country minister must be, first of all, the same type of man as is required in any other minister. The farmer's gospel is no different from the gospel which any other man needs. But just because the farmer is a man with a special vocation his minister ought to have an understanding of that vocation. The country minister ought to be a man who understands the farmer's cause. He needs to know the difference between a business institution which is exploiting a community and one which is enriching it. He needs to sense the difference between a sugar factory owned by people 2,000 miles away who look upon the community as they would upon a factory, and a co-operative mill which yields its rich returns in larger community spirit as well as in dividends.

We need a rural ministry that will understand the farmer's cause as well as some ministers are coming to understand the laboring man's cause or the student's cause, a ministry with country sense, with an enthusiasm for the building of a country community. I am inclined to think that contact with a great agricultural college such as Kansas has at Manhattan would be a fine experience for a country minister. It is not so much for the sake of the teaching that I would have him go there as for the sake of the spirit which pervades the place.

Leaders of the Future.

There is no cut and dried program for the country church and the country minister. His success depends upon his ideals and his power of initiative. A life insurance manager recently divided his employees into three classes: Those who have to be told once every time they do a piece of work; those who have to be told several times to do a piece of work, and those who do not have to be told at all but are themselves creative workers with powers of initiative. I had in my possession not long ago a book on agriculture more than 100 years old. It was a compendium of recipes. Men are not teaching agriculture that way any more. They have a fine scorn of the rule-of-thumb farmer. They believe in the farmer who is so grounded that he

can generate ideals and methods. And there is no other hope for the country minister; he must be saved by the power of the spirit and not by the letter.

The next group of leaders to which the church must turn its attention is the students at the great agricultural colleges. I suppose it may be assumed that these colleges are to furnish the rural life leaders of the future. They have to quite an extent a monopoly of the situation. In order that we might have Christian leadership in the professions and in commercial life the church has built schools of its own or co-operated with the great universities with Bible chairs or guild halls. What is the church doing to insure a leadership in rural life that is Christian? The state is spending millions of dollars to give the country rural industrial leaders; can the church afford to neglect this situation? The rural minister will be helpless without the co-operation of the industrial leaders about him.

The situation is even critical. Splendid industrial education is turning out up-to-date farmers. The student returns to his home community prepared to take up the community industrial problems in a large way. He finds the most important institution the most out of date. If it were a steam engine he could fix it; if the farm were run down he could with confidence improve the soil; he can minister to a sick horse. But what can he do for a sick church? Lest he make it worse he avoids it. That the church would find a large response from its efforts to reach the agricultural colleges for rural religious leadership is indicated by the fact that from the agricultural college at Manhattan more than 200 men have gone into the Christian ministry. Yet the church has not spent one extra dollar in cultivating this field.

Why Some Churches Die.

The exodus of the rural population to the city has been responsible for the death of a good many rural institutions. The number of dead rural churches is variously reported from 500 in Kansas to 2,000 in Illinois. There is going to be a survival of the fittest. The church fittest to survive will be the one which is the most energetic in doing a creative work with the material which is at hand.

The next adjustment is forced upon us by a pernicious denominational rivalry in the country districts. The religious survey of Colorado revealed the fact that there are 150 places in that state with a population large enough to

justify a church which are totally without service; that there are 400 places to which the United States delivers mail where there is no church. It also reveals the fact that 92 per cent of the home missionary money spent in Colorado is spent in communities where there are two or more churches; that one-third of the total expenditure is made in places where the people are within street-car ride of 146 churches! That \$1,900 is spent in one small town where there are seven churches, and these seven are the only churches in the whole county; that almost without exception the more churches a town has the more home missionary money is expended upon it. An adjustment that will eliminate waste and promote efficient management is absolutely imperative if the protestant church is to survive in the country.

Another adjustment forced upon us is some recognition of the developing community spirit. The same spirit which is revolutionizing politics is demanding that religion as well as politics relate itself to local issues. It is just as wrong for people to keep on voting for John Calvin and John Wesley when the issue is one of common decency of character as it is for people to vote for Abraham Lincoln and Thomas Jefferson when the issue is just one of common decency of government. We have been accustomed to say that religion, like politics, must be carried on by the party system; but they are getting rid of the party in local politics, and a big effort is being made to do away with it in religion.

There are two objections to be urged against the union church. The first is that it is an individualistic, unrelated church. It is related to local problems but it is not related to the great national problems. The farmer who by co-operation joins in world-wide economic movements will want to join a church which by co-operation joins in world-wide moral and spiritual movements. Also, the denomination can be of invaluable assistance to the local church. Its schools and experts may place at the disposal of the local church a strength it never could develop by itself. The ideal method is for the denominational church to do a community work. Let denominational resources and traditions enter the rural community, not to have lordship over it but to be helpers of its joy, and it will be a welcome guest.

I believe we can relieve the congestion in the country towns to a certain extent

by making them the center of a systematic evangelization of the surrounding country. This is being done with good success by the Catholic church. The local church develops out-stations which are closely affiliated with a strong central church. This gives vision to the local church and relieves the country church of its feeling of isolation. The country church may be entirely undenominational, affiliating only for the sake of efficiency, and will thus be left free to unite all the elements in the community.

There is much to be said in favor of this plan. It will require some assistant pastors in the country towns, but it will be worth while if we can make the retired farmers who constitute 30 per cent of the membership of the town church feel some sense of responsibility for the district where they made their money. If we are to have landowners we must develop the responsibilities of landowners. We need to make the town think of itself in terms of the environment.

Uncle Henry's Book

It doesn't matter how hurried our lives may be nor how hard the struggle for a place in the jostling throng, there are certain bright spots to remember, as we journey through life. Some of the pleasantest in our's are the meetings with old friends and the anticipation of future meetings. We know of no more profitable hours, in the office, on the railway train, in great national conventions or in the home, chatting across the dinner table, than the hours we have spent with Henry Wallace, the dean of all of us, the veteran editor of Wallace's Farmer. We believe it is no affront to the many charming acquaintances we have in journalism or politics to use the superlative in writing of Uncle Henry. No man has contributed more to our store of information on every subject about which we have cared to be informed. To ride with him for half a day on a railway train is a privilege. To read his letters in Wallace's Farmer is better than to take a four-year course in philosophy.

And now Uncle Henry's letters have come out in book form. What more delightful company for a rainy day or a journey on the train? Perhaps you haven't kept a file of Uncle Henry's excellent paper—a vicious bit of carelessness on the part of any reader of a good farm paper—and if so you'll need the book. It's a fine companion, and it costs only a dollar, postpaid. The Wallace Publishing Co., Des Moines, Iowa, issues the book.

Show at Newton

The seventh annual show of the Central Kansas Poultry association will be held December 13-18 at the city auditorium in Newton, Kan. D. T. Heimlich, of Jacksonville, Ill., will be judge. The city auditorium has capacity for at least 2,000 birds, and the indications are that the entry list will be very large. Attendance this year will be unusually large, as no admission will be charged, and great interest has been created among the farmers by special prizes offered for the best birds shown by children. The secretary is Cooper Jackson, Newton, Kan.



Not Even a Live Church.

DEPARTMENT EDITORS
Field Editor.....F. B. Nichols
Farm Doings.....Harley Hatch
Mgt. Livestock Advertising.....Frank Howard

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Passing Comment--By T. A. McNeal

Booker T. Washington

In the death of Booker T. Washington, the founder of Tuskegee Institute, the negro race loses in my opinion, its greatest benefactor and the nation loses one of its greatest citizens.

Booker T. Washington was born a slave in 1857. He was therefore a comparatively young man at the time of his death and there was reason to hope that his career of usefulness might be prolonged for at least 15 more years. As a child he suffered all the hardships and deprivations of slave children generally. His book describing his rise from bondage and poverty is one of the most interesting biographies ever written.

After the war the lad evinced a great ambition to gain an education and do something for the upbuilding of his race. He managed to work his way through Hampton Institute and during the 80's founded the institution of which he was the head until his death and which became the most famous institution of its kind in the world.

When the young ex-slave founded his institution he had neither money nor influential friends. He had to combat the race prejudice of a large class of people in the South who still believed in the principle of slavery and who held to the doctrine that to educate a negro meant to spoil him as a laborer, the only vocation for which, in their opinion, he was fitted by nature or intended by the Creator.

Struggling against all these difficulties which would have seemed insurmountable to 99 men out of 100, white or black, he persevered until thousands of students every year came to Tuskegee to gather knowledge and inspiration and courage to overcome the handicaps which society had unfairly placed in their way.

I have heard Booker T. Washington speak on numerous occasions. His addresses were always characterized by remarkable practical sense. He had little or none of that emotional temperament so common even among the most highly educated of his race. He labored under no illusions about the status of the negro race. While realizing the injustice of present conditions he wasted no time in repining, but in season and out of season urged his fellow men and women to make the best use possible of the few opportunities they have.

He believed that on the farm the negro came nearer having an even show with the white man than anywhere else. He said that the grain raised by a black farmer would feed as many people as the grain raised by a white man and it would bring as much in the market. On the farm the black man could be his own master while in town he must necessarily be a servant for the most part. In his opinion it was of no use to spend time whining over injustice but by right living, by useful industry and the legitimate accumulation of property earn the confidence and respect of the whites, trusting that in time their own sense of fair play would lead them to do justice to the negro.

While he did not live to see his dream of equal rights and equal opportunities for the negro fulfilled, he did acquire the confidence and respect of a very large proportion of the white race of both the North and the South so that the death of no man in recent years has caused more general or sincere regret.

The names of a great many white men who have climbed to place and power on the stepping stones of race prejudice will have sunk into oblivion and been long forgotten when Booker T. Washington still will be remembered and honored as one who has made the world better by having lived in it and who accomplished a great amount of good for his race.

Write Them About It

Editor The Farmers Mail and Breeze—I always thought this was a representative government, but recent Washington dispatches inform us that military and naval experts have formulated a military plan for the expenditure of hundreds of millions of dollars annually in order that we may be prepared for attack from any foreign power. Are the people in favor of establishing a military despotism such as they have in European countries? Most certainly not. Will congress do the bidding of these militarists and ship and munition manufacturers?

Why this haste? There is no danger of an attack from any nation now at war. Nor will there be any danger in the next 25 years. For when this war is over these nations will be so enfeebled, so

overwhelmed with debts and the burden of caring for the crippled, the widows and the orphans, that it will be a practical impossibility to recuperate within a quarter of a century.

Why build expensive dreadnaughts? A little submarine can sink any of them in a few minutes. The money necessary to build a dreadnaught would build and equip 150 submarines. One hundred and fifty submarines properly equipped and placed along our shores would be sufficient to prevent any hostile navy from reaching our coast.

Farmers, laboring men everywhere, write your congressmen urging them to sit down hard on this iniquitous preparation, for on these classes will fall the burden of taxation which will follow.

Salina, Kan. WILLIAM RAMSEY.

Money and Wealth

Editor The Farmers Mail and Breeze—I always read your "Passing Comment" columns in the Farmers Mail and Breeze, also the columns of "World News" you write for Capper's Weekly. I like your stand against militarism in America now being urged by both old parties and by Roosevelt. In short, to my way of thinking, you are broad, liberal and impartial in your conception of most subjects you write upon.

In the November 13 issue of the Farmers Mail and Breeze you seem to think that "money is not wealth." Webster's dictionary defines wealth as being money and other valuables. I believe money is wealth so long as it has value to it just the same as any other commodity. Once I heard a greenback speaker say, "Give me a \$20 gold piece, an anvil and a hammer and I can knock out all the money there is in it at a few strokes." He could not do anything of the kind. If there was \$20 worth of gold in the double eagle, destroying the stamping could not destroy the value of the gold piece, though its use as circulating money would be destroyed.

To my mind money is wealth just in proportion to its purchasing power. If it took \$500 in Confederate money to buy a pair of shoes, that money had a little wealth or worth to it as long as it would buy something of value. The Constitution of the United States says in Section 8, "Congress shall have the power to coin money and regulate the value thereof, and of foreign coin," etc. The question naturally arises, can congress make money? If so, why should Congress pass tariff and revenue laws to make the poorest citizen pay money into the United States treasury when Congress can print a \$5 bill quicker than a cat can wink an eye? Why should the government waste time and sovereignty on \$1, \$2 and \$5 bills when it can easily and quickly make \$10, \$20, \$50 and \$1,000 bills?

If the government can coin and stamp money, or in other words, make money by stamping gold, silver and paper into dollars, why is the government always after revenue, tariff and other tax money from the poorest as well as the richest citizen? The government seems to make money for all its citizens and get it to them in a round about way, yet the government seems to be a pauper and has to be supported by public revenues, tariffs and other taxes collected from its citizens. Why?

I believe money is wealth in the same sense that a good promissory note is wealth. Thus you have promissory notes for \$500 each from John Smith and John Jones. The value of the notes will depend entirely on the wealth and integrity of Smith and Jones. If Jones has only about \$250 of wealth and less integrity his personal note will not amount to much to you, as no bank would want it. So with governments which have little wealth and integrity. Why cannot Congress order enough money stamped to pay the government's expenses without collecting revenue through tariff and other taxes, if it can make money?

I wish you would answer the following questions in the Farmers Mail and Breeze: 1. Why is the United States a revenue tariff and tax-collecting pauper, taking money for its support from its citizens rich and poor if Congress can coin money and regulate the value thereof?

2. Why doesn't Congress coin or stamp enough money to pay government expenses?

Clay Center, Kan. JAMES D. SHEPHERD.

Mr. Shepherd opens up a large field by this letter of inquiry. My answers will not agree with the conclusions of a majority of the eminent financiers of either this or other countries nor will they agree with the conclusions of many writers on finance. I must assume that these writers are honest and also that they have given the subject much study, therefore their opinions are entitled to careful consideration. They have not convinced me that I am wrong but I wish always to concede that I may be mistaken.

Now as to whether money is wealth depends of course on what is a proper definition of wealth. The Standard dictionary gives the following definition of wealth: "A store or accumulation of those material things that men desire to possess." It may be said that men desire to possess money more than almost any other material thing, and therefore it comes within the definition. But after all, most men do not desire to possess money for its own sake but because of the fact that they can exchange

it for the things that really contribute to comfort, happiness or love of display or power.

Money therefore is, in my opinion, not real wealth, but it is desirable because it enables the possessor to obtain the things he desires. The primitive man had few desires, therefore wealth according to his idea, was limited to a very few kinds of property.

This I hope will make clear the distinction in my mind between money and real wealth. Real wealth consists in those things which men generally desire and need while money is the means by which those desires may be realized and the real wealth obtained.

Different Kinds of Money

Now some kinds of money might I think, be classed as both money and wealth, because the material out of which the money is made possesses a value within itself and is among the things which men generally desire. This is true of gold, silver and copper. They are all useful and desirable aside from their use as money.

The greenbacker referred to by Mr. Shepherd was right. When he put the \$20 gold piece on the anvil and battered it with the hammer he did destroy its value as money but its commodity value would remain. That commodity value would of course be greatly enhanced by the fact that it could be immediately sent to the mint and again be turned into money, but when the impress of the mint was destroyed by the hammer the unmarked chunk of metal was no more money than a horse or a hog or a bushel of wheat is money.

As I tried to point out in several previous articles, originally money was simply a commodity commonly desired and therefore used as a measure of value for other commodities and a medium of exchange for all other commodities. The material out of which this common medium of exchange was made depended on the desires and tastes of the people of various localities. In some parts of the world certain bright colored feathers were more commonly desired, more for ornamentation, than anything else, and therefore became the common medium of exchange. Among other peoples certain kinds of shells were very generally admired and desired and they became the medium of exchange. Gold and silver however, were more commonly desired than anything else for the reason that they were better adapted for ornamental purposes than any other metals.

However, with advancing civilization the methods of commerce have been changed entirely. Metal money and even paper money is used to such a limited extent as a medium of exchange that either comprises a very small fraction of the whole volume of exchange business. About three-fifths of 1 per cent of the entire exchange business of the commercial world is done with gold and about two-fifths of 1 per cent is done with silver. A trifle less I believe than 3 per cent is done with paper money. The rest is done by exchange of credits.

According to the report of the treasurer of the United States June 30, 1914, the total stock of money in the United States amounted to \$3,738,288,000. On the same date the comptroller of the currency showed in his report that there were individual deposits in the banks of the country amounting to \$18,517,732,000. According to this report there were deposited in the banks of the country, to say nothing of the money held outside of the banks, almost five times as many dollars as the total amount of money in existence in the country.

It may be asked how such a thing can be possible. The answer is that what is deposited in the banks is not real money at all, but credit.

The same interesting report shows that on this date, June 30, 1914, the various banks of the country had as actual cash on hand, \$616,655,547. That was all.

Where Credit Comes From

And how did they get this credit which is supposed to represent cash? Well, Mr. Jones wants to do business. He has property worth we will say \$15,000. He gives his note for \$10,000, secured by a mortgage on the property or perhaps endorsed by other persons whose credit is good. The note is deposited in the bank and immediately its deposits are swelled by \$10,000 although not a dollar in real money has been deposited in the bank. In other words, Jones hands his own credit over to

the bank and then borrows it back from the bank to use in his business.

The government of the United States now establishes central reserve banks and permits the bank which has Jones's note to deposit it with one of these reserve banks and have issued to it currency to the amount of the face of the note. This currency is issued by the government and is backed by the credit of all the people of the nation.

What I insist upon is that a system should be adopted by which Jones should use his own credit and secure so much currency as he might need direct from the government without the intervention of the bank and without being compelled to pay interest for the use of credit which he himself furnishes. I insist that there is just about as much sense in our present financial system as there would be if there were established by the government a livery stable here in Topeka to which farmers would be compelled to bring their horses and then hire them back from the livery stable keeper, paying him 6 or 8 per cent interest on the value of the horses for the right to use them in plowing their own fields.

You can imagine what farmers would do to a highbrowed financier who would propose to establish that sort of system.

Government Money

Mr. Shepherd asks why congress doesn't coin or stamp enough money to pay government expenses. It could do so and in my opinion, ought to do so. However, it does not follow that because the government has this power it would therefore need no revenue.

Where I think Mr. Shepherd falls into error is that he has not clearly defined in his mind what the government is. It is a common error to look on the officials who transact the business of the government as the government itself. The curious thing is that we are not apt to make this mistake in talking of local and state governments. We speak of the state of Kansas but no one thinks of the state officers who have their temporary habitation over here in the state house as composing the state of Kansas. When we speak of the state of Kansas we mean the 1,750,000 people who compose its citizenship and who individually and collectively own its lands, houses and other property which make up the nearly 3 billion total.

What Is the Government?

The United States does not mean the officials who gather at Washington. They are merely the agents of the hundred million people who compose its citizenship and own its wealth. The agents who are selected by the people and who are empowered to do only the things authorized by the people may not own any property, but the government of the United States which is composed of all the people living in our large territory owns great wealth. These people have given their own agents authority to use the credit of all and to levy taxes on all in order to pay the expenses of the government. This is the reason why the credit of the government of the United States is the best in the world.

I have heard this statement often iterated and reiterated that the government is a pauper. That is a fallacy. If it were true do you think it would be possible for a pauper to borrow untold millions at a rate of interest less than that charged any private individual or any corporation however wealthy? The government of the United States is not a pauper because it means all the people and all their combined resources.

In theory at least, the government should have neither a surplus nor a deficit of revenue. Its expenses and its revenues should balance each other. It should be neither a borrower nor a lender. Having the constitutional right to issue money it should issue its notes, the notes of all the people, in payment for service rendered to the government and these notes in turn should be received back by the government in payment of dues or taxes to the government.

The government cannot create something out of nothing any more than an individual can do it, but by authority of the people who compose it, can issue pieces of paper which are called money. This represents the combined credit of the whole people.

Why Pay Interest to Banks?

Instead of being compelled to pay interest to the banks the people should be permitted to use their own credit. There is nothing mysterious about the plan. Jones is a part of the government of the United States. He has property worth \$15,000. He should be permitted to pledge this property with this central agency which we erroneously call government, as security, not to the agents, but to the whole people of the United States and on that security the government of the United States, that is the whole people acting through their authorized agents, should issue to him legal tender currency representing the combined credit of 100 million people.

Municipal corporations like the city of Topeka, instead of being compelled to issue bonds for public improvements on which before the principal of the bond is finally paid, there will have been paid by the taxpayers twice the face of the bond in interest,

should be permitted to deposit its bond without interest in the United States treasury, representing the combined credit of the people of Topeka and on this security should be issued as much currency as the city might need to pay for its improvements.

I want to call the attention of Mr. Shepherd and others to two or three truths often overlooked: First, the government is not composed of the President and his cabinet, the two houses of Congress and the United States courts. It is composed of the 100 million people with all their property, corporate and private, who acknowledge allegiance to our flag. Second, the government is not a pauper but is the richest concern the world ever has known. Third, as the credit of this tremendously rich concern is the credit of all, it is manifestly unjust that it should be used to enrich a few.

Who Ought to Enlist

A subscriber at Elk City who is not enamored with the idea of a great standing army and navy makes this suggestion: "If we must have a standing army," he says, "let congress pass a law compelling every editor who has been boosting for a standing army to enlist and if we have trouble with any foreign country make these editors march in the front rank and fight in the first trench. Then every man in the United States who is in favor of a great standing army should be compelled to enlist along with the editors. Every preacher who stands in his pulpit and preaches in favor of preparedness for war also should be compelled to join the army."

This Elk City subscriber says he is willing to spend a week and give the use of his car in circulating a petition to that effect.

Stands with Bryan

Editor The Farmers Mail and Breeze—I have just read the reply of Mr. Bryan to the President's New York address. I think his argument is sound to the core and should carry conviction to all who are not carnage crazed by the European conflict. Mr. Bryan's argument has the history of the past to sustain its soundness as well as the painful facts of the present.

The stronger the military and naval organization of a government the less civil rights enjoyed by the citizen. The wisdom of our forefathers in making the military subservient to the civil authority never has been seriously questioned until now.

It seems the height of folly to increase the taxes of our people, already overtaxed, and whose revenues are now less than the expenditures, to build a great navy and equip a great army to meet an imaginary foe, when we know that the European war when it ends will have exhausted those nations, decimated their ranks and so depleted their resources as to leave them in no shape for aggression. It will require at least half a century to prepare for another conflict, granting that their experience has failed to satisfy their thirst for rapine and murder. By that time President Wilson's great navy will be in the junk heap and his great army a gray haired burden on the pension rolls of the nation.

Every Christian church of whatever creed should raise the danger signal against this departure from the doctrine of the founders of our government. The saddest blow Christianity ever received was when Constantine militarized and commercialized the religion of Jesus Christ and reversed the teachings of the meek and lowly Nazarene. Oh, for a Bryan to lead the peace-loving citizens in this hour of peril!

Kingfisher, Okla.

J. WRIGHT SAIN.

Doesn't Like Junkers

Editor The Farmers Mail and Breeze—I am a German, not only by birth but by education. I have been in this country only a few years, but, contrary to most of my German brothers in this country, I want, like you, to see the downfall of the German ruling class.

Most of the Germans in this country come from the farming districts in Germany and the farming districts in Germany are the reactionary districts. The farmers there do not take much interest in public affairs and usually vote for the big landholders, the junkers, who are the ruling class in Germany. They look at the Socialists, the patriots of Germany, as the internal foes of the fatherland.

The farmers of Germany belong to the working, producing class but strange to say do not join the labor people in their fight for the betterment of conditions. They support the exploiting junker class. In England and France the people overthrew the power of the junkers a hundred or more years ago, but in Germany, the great Germany of industrialism, of commerce, of the best organized labor unions in the world, the best organized labor co-operative societies in the world, the strongest organized Socialist party in the world, the junkers still rule and the country is half feudalistic.

So you easily can understand why our German brothers in this country who come from the farming districts have a wrong point of view concerning things in Germany.

Of course, when I say I want to see the ruling class in Germany overthrown I do not mean that I want to see Germany beaten in the present war. Not because Germany is right in the struggle, but because I am a German. I can't help it. Right or wrong, my fatherland. I want to see the people of Germany get through with the ruling class, the junkers, the worst foes the German people ever had, but I want to see them beaten from within and not from without.

My German brothers in this country who uphold German Caesarism and German militarism don't know anything about German history of the years from 1870 to 1890. Don't you know what happened in 1878 when the Socialist party was growing stronger and stronger and the ruling class didn't know how to help itself or how to stem the rising tide of Democracy and Socialism? It was in that year that Bismarck, a junker himself, a great statesman, but whose statesmanship was overshadowed by his brutality, instituted the so-called exception laws degrading the best citizens of Germany to second class people. All those brave and fine people who dared to fight for economic and political freedom were deprived of the protection of the law. Bismarck with his miserable beadles, hunted them through the country

from one corner to the other, put them in jail, confiscated their property and beat them like dogs whenever they had a chance.

Of course the Socialist movement grew in spite of Bismarck's exception laws and for one fighter he put in jail or drove out of the country 10 others sprang up until finally the year 1890 saw the downfall of the exception law and the downfall of its maker.

I remember those 12 years from 1878 to 1890. My father was one of the founders of the Socialist party. Under the exception law he had to suffer like the rest. The police and the courts were after him day and night, year in and year out. As he had to suffer of course the whole family had to suffer. No father at home; the good mother uneasy and afraid. We never knew whether he would ever come back to us.

My dear German brothers who are strangers to the history of modern Germany, before you uphold the German ruling class in the present struggle, look only 30 years back. Think how the ruling class was responsible for the suppression of human rights in Germany. So has the same ruling class a good deal of responsibility for the present war and if this war would bring nothing more than the downfall of the German junkers it would not be fought in vain.

Marion, Kan.

JOHN FISHER.

I certainly appreciate the feeling of Mr. Fisher for his fatherland, but one thing is certain. If Germany wins that same junker class will be more firmly entrenched in power than ever.

A Question of Fence

Editor The Farmers Mail and Breeze—I own a farm of 160 acres which had a hedge fence all around it until last winter, when I cut down 80 rods of it, which left no fence between my land and that of my neighbor, who is a renter. My neighbor had oats on the land adjoining mine. I had corn on my side of the fence. After harvest my neighbor turned his cattle on his oat field to pasture on the volunteer oats and they came across into my field and destroyed a good deal of corn. He called me up over the phone and told me that I had better get busy and put up a fence where the hedge had been or he would let his stock eat up all my corn. Does the law compel me to put up a fence? Could I collect damages for the corn destroyed?

Wellington, Kan.

SUBSCRIBER.

That depends on whether your county is a herd law county or not. If it is a herd law county you can take up the neighbor's stock under the provisions of that law and collect damages. If it is not a herd law county you would have to build half the fence along your line and your neighboring landowner or his tenant would have to build the other half. Your county clerk will give you the information about the herd law.

View of Preparedness

Editor The Farmers Mail and Breeze—I enjoy "Passing Comment" in the Farmers Mail and Breeze and take especial delight in reading the letters from some of our German-American friends. I gather from some of these letters that the German people are superior to all others, and that the German nation has no equal. Can you tell me why, in view of this opinion held by some of these writers, they or their fathers ever left the old country, and also, in view of this unjust war thrust upon Germany, why they do not accept it in the spirit in which it was offered, believing that a feeling of brotherly love and confidence would be inspired, thus rendering entire safety to rights and possessions?

Also, assuming that this nation had no means of national defense and some other nation were to make certain unjust demands upon this country, what could we do about it? In the light of this present war, would it be too much to assume that such demands could be made even though we were posing as an innocent, defenseless nation? If we asked that these demands be arbitrated and the other nation refused, then what?

Or, if we had occasion to make demands on another nation, would that nation accede to these demands, knowing that we had no means of enforcing them?

I am against war, but believe that the dignity and integrity of our nation should be maintained at all costs. If this can be done without war, so much the better. And if it can be done without an army and navy, I say amen. Do you believe that it can, or do you think it would be better for us to suffer any humiliation, or to carry it to the extreme, to lose independence itself, rather than undergo the horrors of war?

You will see that I am following the national defense line of argument. I am reading the argument both for and against national defense. I do not know that my mind is made up in regard to this. If some scheme of universal disarmament could be agreed upon, I would be heartily in favor of it. But until this is done, I do not know that we alone should be unprepared for war.

If your good city of Topeka should be without police protection and your doors and windows without locks, for instance, would you feel that your property and rights as a citizen were perfectly safe?

Sumner, Okla.

H. ROBINSON.

Autumn Out in Kansas

How glorious are the autumns out in Kansas! Such ozone in the air; the skies all pure and fair, An atmosphere most rare, with beauty everywhere. So we're "Happy on the way," out here in Kansas.

As we garner in big crops way out in Kansas; Come days superbly fine, with nights almost sublime,

So splendid is the climate, seraphic harps might chime,

With the anthems in our souls, out here in Kansas.

The frost-touch'd hills, and vales and streams in Kansas,

Where nature does bestow rich variegated glow;

An iridescent flow; a kaleidoscopic show;

Putting gladness in our hearts out here in Kansas.

They're all Thanksgiving Days, out here in Kansas,

Her duty never fears, her loyalty so cheers,

Fame, to her pioneers; had we a thousand years,

We'd live them all, with joy, in sunny Kansas.

Kansas.

P. C. YOUNG.



To Study the Farm Tractors

The Kansas Traction Plowing Exhibit for 1916 will be Held the Second Week in July at Wichita

THE KANSAS Traction Plowing exhibit for 1916 will be held the second week in July at Wichita. The land, which consists of more than 1,000 acres, is in a compact body near Tyler station, about six miles west of Wichita, on the Atchison, Topeka and Santa Fe railroad. The soil is uniform and well drained, and it is especially well adapted for the demonstration.

There is a big organization behind the Wichita show. This includes the Kansas Farmer, the Farmers Mail and Breeze and other Capper Farm Papers in co-operation with the Kansas State Agricultural college, the Topeka Daily Capital, the Wichita Commercial club and the Threshers' club of Wichita, the membership of which has representatives from 27 tractor firms.

A much larger demonstration than that of last year is planned, and it also will be much more complete. The experience with the demonstration of last summer, which was held at Hutchinson, will enable the officials to give a better show, and to bring out the facts of tractor farming in much better shape for the farmers who visit this exhibit. Especially is it planned to make it much more educational than the show of last year. One of the features this year will be a tractor school, where technical training will be given in tractor operation to all who enroll.

It is expected that there will be a larger list of entries than last year, which up to that time was the largest tractor show ever held. The big list of entries came largely because of the appreciation that Kansas is the greatest tractor territory in the world, and that there is certain to be a great extension in the use of tractors in this state. The companies already have prepared for this by making Wichita the great distributing center for the Southwest—more tractors are sold through that town than from any other city in the United States. The Threshers row there, where almost all the firms are located, is famous among the tractor circles of the country. The field where the plowing will be held is out in the country but a few miles from this tractor center, and the visitors will have an ample opportunity to visit the store-rooms of the firms there, and to see the hundreds of tractors and other heavy machinery on display.

The success of the tractor farming demonstration idea was well shown by the record which was made last year. It is an excellent educational opportunity to see all of the leading makes in operation side by side; a visitor had a chance to form an idea in regard to the relative efficiency of the different makes, and especially in regard to whether they are adapted to the conditions on his farm. Tractors are designed for many different places and conditions, so the adaptation should be considered very carefully in deciding on the tractor to buy. One has the best opportunity to determine this of course when he can see all of them at work side by side. This fact is generally appreciated by Kansas farmers, and it is responsible for much of the remarkable success which has been encountered by the tractor farming movement.

The outlook for the annual demonstration of the Kansas Traction Plowing exhibit at Wichita next July is excellent. With its big organization, which includes all the farm papers of the state, in co-operation with the Agricultural college, and the threshermen's organization from the leading tractor distributing center of the country, in

connection with the experience gained last year, it is believed that a much better show than ever can be held.

Hard for Hogs to Breathe

It is difficult for one of my hogs to breathe. It does not fatten as well as the other hogs, but it always is ready for meal time.

Sedgwick County, Kansas.

I cannot tell you positively what causes the difficult breathing in your hog. The following are some of the conditions that might cause this: Some foreign body in the nostrils, a tumor in the nostrils, a diseased or thickened condition of the partition of the nostrils, some bone disease such as ricketts, parasites in the nostrils. You would have to examine the animal carefully in order to find out the nature of the trouble and on account of the narrowness of the nasal passage in the hog this is frequently very difficult and sometimes impossible. It is only when the condition, responsible for the difficult breathing is near the outer opening that an accurate diagnosis can be made.

Dr. R. R. Dykstra.

Kansas State Agricultural College.

Swamp Fever or Worms

Our horses have what the horse doctor calls swamp fever. They hang their heads, and their legs are swelled at times. They eat pretty well, but they are getting poorer all the time. They stumble badly when they are driven. Is there anything I can do for them, and are they likely to die from this disease?

Anderson County, Kansas.

Swamp fever of horses is a contagious disease caused by a germ which is so small that we cannot detect it by the

most powerful microscope. The only way of diagnosing the disease positively is to take some blood from the vein of a suspected horse, and inject it immediately into the vein of a healthy horse. In the course of a week or 10 days an elevated temperature and possibly other symptoms of the disease will appear in the inoculated animal. Animals affected with this disease should be segregated and their urine and feces should be disinfected by sprinkling with lime. It is claimed that animals contract this disease by eating contaminated food or drinking water. There is no form of treating the disease and affected animals usually die in from two weeks to possibly a year depending upon whether it is an acute or chronic form of the disease.

A disease that resembles swamp fever very closely in its outward symptoms is due to the presence of a small intestinal worm. This worm is about an inch long and when present in great numbers will produce symptoms very similar to swamp fever, in fact so closely do the two diseases resemble each other that it is only by a blood test that they can be positively differentiated. This worm disease may be quite readily treated by the use of ordinary worm medicine.

Dr. R. R. Dykstra.

Kansas State Agricultural College.

Test Cow for Tuberculosis

I have a cow that is troubled with a bad cough. The cough comes on four or five times a day. She eats and drinks well, and is in good condition. Is it dangerous to use her for a dairy animal?

I believe that you should have your cow tested for tuberculosis. The tuberculin test may be applied by any competent graduate veterinarian. If the animal is tubercular, her milk will be unsafe for human consumption. If she does not react to the test, then she probably is affected with some other lung disease which can only be positively diagnosed by a careful personal examination.

Dr. R. R. Dykstra.

Kansas State Agricultural College.

Hogs May Have Rheumatism

My shotes are fat and seem to be in good health until they get lame. They begin by getting lame in the left hind leg. The trouble then goes to the other hind leg, and finally to all four legs. Even after they cannot get up they eat and drink, and stay fat.

Franklin County, Kansas.

I am inclined to believe that your hogs may be affected with rheumatism though it is impossible to make a positive diagnosis. I suggest that you treat the animal for rheumatism as follows: Keep them in clean, dry quarters, free from drafts, and give the animals 1 dram

of salicylate of soda in the feed every two hours for a period of 12 hours. After this, continue the remedy in the same dosage, but only three times daily. If rheumatism is the cause, this treatment will relieve it.

It is barely possible that a bone disease such as ricketts may be responsible. This is a disease of young animals in which the symptoms mentioned by you are observed, and in addition after the disease has existed for some time, the bones become deformed, that is bent, and bony enlargements, appear especially near the joints. This condition may be treated in the early stages by administration of foods rich in lime such as alfalfa or clover hay, and in addition giving ordinary chalk in the feed. Table-spoonful doses of cod liver oil daily are of value.

Dr. R. R. Dykstra.

Kansas State Agricultural College.

The Cover This Week

The cover is made up this week from scenes on the farm of H. C. Lookabaugh of Watonga, Okla. He is a very extensive Shorthorn breeder; he now has about 300 purebred animals on the place. Mr. Lookabaugh has been very prominent in the movement for more and better livestock in the Southwest; he is president of the Oklahoma Shorthorn Breeders' association, and also of the Blaine County Livestock Breeders' association, which is an especially active county organization. The upper picture on the cover is of some of the members of this association, at a picnic recently held at the Lookabaugh farm. The bull is Fair Acre Sultan, the sire at the head of the herd. Mr. Lookabaugh is standing at the left of Fair Acre Sultan, with his hand on the animal's neck.

Trouble not in the Lungs

Can you tell me what caused the death of my horse? I opened her and found that one lung was almost gone, and what was left was black. The other lung was almost all black.

Okiahoma.

I cannot tell you positively what the trouble was with your horse. As soon as the chest cavity is opened the lung on the upper side will collapse. This might cause the impression, in the uninitiated, that the lung was practically absent, while the facts are that its volume was simply greatly reduced on account of the normal collapsing of that organ. At the same time the undermost lung, if the animal had been lying on its side for a long time, would be filled with blood so that it would have a much darkened or even a blackened appearance. In other words it is immaterial what disease destroyed the horse, the lungs if normal would be collapsed on one side and darkened on the other side. It, therefore, appears that the actual cause of the animal's death may have been entirely overlooked and should be sought for in some other organ.

Dr. R. R. Dykstra.

Kansas State Agricultural College.

Talk—Talk—Talk

Meetings of the agricultural associations of the state will be an important feature of farm and home week at the Kansas State Agricultural college, December 27 to 31.

Tuesday, December 28, the Kansas Crop Improvement association and the Swine Breeders' and Growers will have their programs. Wednesday, the Kansas Horse Breeders' association and the Fruit Growers will have their respective programs. Thursday, the Kansas State Dairy association and the sheep breeders will meet, and Friday the beef producers and the Kansas Poultry federation.

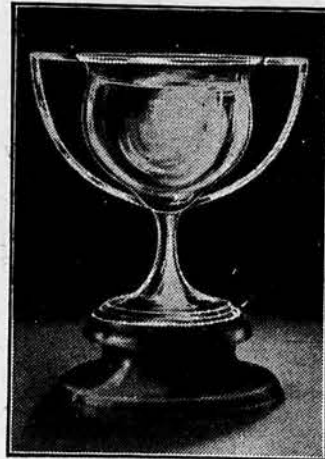
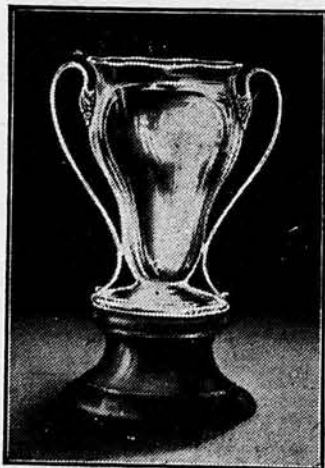
Professor A. R. Whitson, in charge of the soils work at the agricultural college of the University of Wisconsin, will appear on the program of the Crop Improvement association; Dean W. L. Carlyle, of the Agricultural College of Oklahoma, will be on the Horse Breeders' program and on the Sheep Breeders' program. C. T. Graves, dairyman of Maitland, Mo., will meet with the dairymen, and Prof. A. G. Phillips, of Purdue university will address the poultrymen. An effort is being made to procure the secretaries of both the American Shorthorn Breeders' association and the American Hereford association to appear on the cattlemen's program Friday.

The fly net season was a short one this year.

Cups For Corn Contests

HERE are the silver trophy cups that have been selected for the winners in the Acre Yield of Corn, and Acre Yield of Kafir contests conducted by Arthur Capper this year. These cups are being engraved now, with blank lines left for the names of the winners. Hurry in your reports, boys, and we shall try to get the names of the winners engraved before the jewelers get busy with the Christmas rush.

It is going to be a lot of honor to own one of these cups. The honor will be worth a lot more to you than the silver in the cup is worth, and there is a lot of silver in them, as you would find out if you tried to buy one in a jewelry store.



A boy who won a cup last year wrote to us and said that he would lots rather have his cup than \$25, and you will feel the same way about it.

Be sure that your report is complete. Several boys failed to give their addresses last spring when they enrolled for the contest. Be sure that your sample of grain is well packed, properly addressed, and that your name is both outside and inside the package.

We hope that you have had a prosperous year, and remember, no one loses in a contest of this sort. It will be fine if you win the cup, but every boy who finishes in the contest has accomplished something that he can be proud of.

Boys Are Lining Up

More Than Forty Counties Now Have Official Representatives in the Capper Pig Club Contest

By JOHN F. CASE, Manager



"Sure, They Are Mine. Some Class to That Lot, Isn't There?" That's What You Can Say When a Friend Calls Next Summer.

"PIGS is pigs," might apply very well to those of the Guinea variety. But it doesn't go in the Capper Pig Club contest. "More and Better Swine for Kansas Farms" is the club slogan, and we are placing considerable emphasis on the word "better." Starting with a purebred sow there's a fine opportunity for the right kind of a boy to become a successful breeder. Remember, fellows, that it isn't strictly a market proposition you are going into. With purebred stock and the feed and care you will give your contest sow and her litter, every boy should have several pigs next fall that will bring top prices as breeding stock. Of course no estimate of actual value of the animals is to be made in judging when the reports are sent in. Pounds of pork produced (live weight) when the sow and the pigs were killed, sold or weighed at the contest's close December 15, will count 35 points, and cost a pound for the pork production will count 40 points, but the sow and pigs should be worth several times market value. And if you borrowed the money to pay for your contest sow the sow should sell for enough to pay off the note. Don't lose sight of the fact that there's a fine opportunity to make some additional money because your pigs are purebred.

Then, too, boys, don't be influenced in buying a contest sow just because the price seems low. Of course breeders are going to treat you right but it isn't going to pay to enter a big contest like this with "cheap" goods. If I were intending to buy a sow for the Capper Pig club entry I should expect to pay not less than \$25. But that's up to you. Along with the other good things in this contest you are going to get some business training. Successful farmers must be business men as well. Farming is the biggest game of all and it takes brains as well as muscle to win. Here's what W. L. Blizzard, formerly assistant in animal husbandry at Manhattan, has to say about choosing a brood sow:

"Select the breed that you like and the care and management you give them will determine to a large extent the profits you will realize. Most all the lard hog breeds are alike with a few exceptions in regard to some minor points about the head and ears and color markings. All breeders look for quality, depth, length and width of form and depth and condition of flesh, regardless of whether their hogs are black, red, or white.

Requirements for a Good Hog.

"The time is nearly past for the smaller hogs. We ought to have a hog that will weigh 300 to 350 pounds or more at a year old, and that will finish nicely. We have been breeding for a nicer ear and head, better feet, legs, loin, ham and back and we have been after the better hog and have it, but we have to keep the size as well. The end of every hog is the pork barrel and the farmer wants the sow and male that will produce a hog that will go on the scale and weigh 300, 350 or even 400 pounds at a year old. The qualifications of a good hog are: 1. Pork producing

ability; 2. Adaptability to any particular locality; 3. Individuality.

Selecting the Sow.

"The selection of the breeding stock is always of prime importance. The beginner should start with but few animals. Select good individuals. It is better to buy one good sow than to spend money for several poor ones.

"Sex characteristics are not differentiated as clearly in hogs as in horses and cattle, yet there are certain female traits to be looked for in a good sow; a smoother and higher forehead, lighter neck and finer head than the boar. The head of the sow should be fine, yet broad; the neck thick enough to blend smoothly into the shoulders, the legs straight with strong pasterns; the chest deep and wide indicating constitution; back, strong and wide, giving ample room for the vital organs. Sows with good length and depth of body generally prove the most prolific. Quality should not be overlooked, yet in the search for quality, do not sacrifice substance nor select delicate animals. Uniformity among the sows selected is very important, as is also uniformity of breeding, that is, they should be bred along the same line. Uniformity in a herd is the surest index to the worth of the stock and the skill of the breeder. A uniform bunch of pigs will feed better, look better when fat and sell better on the market.

Time of Breeding.

"Unquestionably the best time to raise hogs is in the spring. The early pigs are always stronger, grow faster and are more healthy than the later arrivals. The sows should be thriving at breeding time, but not over fat.

Age to Breed.

"The best time to breed gilts is when they are 8 months old. Breeding too early hinders development and lowers the vitality of both litter and dam. A sow should remain in the herd as long as useful. A proved good sow is not "second hand" in the same sense that a buggy or gas engine is considered second handed. A good steady sow with

well developed teats usually can be depended upon to repeat every past performance."

Now there's some mighty valuable information. Probably most of the boys will buy gilts and if properly cared for it should prove a mighty good investment but if you never have had much experience in caring for a sow and her litter it would be advisable to purchase a tried sow instead. A brood sow that has proved herself a good mother usually has considerable "hog sense." That will be a help when farrowing time comes next spring.

Watch the Farmers Mail and Breeze for official lists of the boys who have qualified as county representatives. If your county is not represented send in your name. Up to Saturday, November 20, these boys had filed approved recommendations with the contest manager and are the official representatives of their respective counties:

Name.	Postoffice.	County.
Harry A. Pulver....	Muscotah....	Atchison
Orin Crump.....	Benton.....	Butler
Richard White....	Clements....	Chase
Floyd Guffy.....	Moline.....	Chautauqua
Elmer Jones.....	Clay Center....	Clay
Lawrence Sargent..	Jamestown....	Cloud
Arthur Gilbert....	Hartford.....	Coffey
William Rauhut....	McCune.....	Crawford
Charles Madinger..	Wathena.....	Doniphan
Roy Miller.....	Howard.....	Elk
Paul Walters.....	Holcomb.....	Finney
Ernest Ruth.....	Princeton....	Franklin
Andrew Hauck....	Newton.....	Harvey
Wilton Allen.....	Satanta.....	Haskell
Clarence Musgrove.	Holton.....	Jackson
John Wood.....	Ozawie.....	Jefferson
Clyde Johnson.....	Lowmont.....	Leavenworth
Theodore Burge....	Mound City....	Lin
Harry Peterson....	Lindsborg....	Marion
Homer Neece.....	Lincolnton....	Marion
John Shepard.....	Irving.....	Marshall
Clarence Utz.....	Plains.....	Meade
Dillon Wooten....	Glen Elder....	Mitchell
Walter Farrar....	Council Grove	Morris
Walter Kramer....	Ness City.....	Ness
Emereth Wray....	Norton.....	Norton
Harley Dawdy....	Richland.....	Osage
Charlie Prosser....	Minneapolis..	Ottawa
Ray Jones.....	Sylvia.....	Reno
George Anderson..	Stockton.....	Rooks
Fred Hartwell....	Goodland.....	Sherman
Elza Franklin....	Smith Center..	Smith
Louis Kahle.....	Alta Vista....	Wabaunsee
Ira Powers.....	New Albany..	Wilson
Grant Wilkoff....	Modoc.....	Wichita
Hugh Deaver.....	Sabetha.....	Brown
Bonnie Frather....	Dexter.....	Cowley
Kenneth Donnell..	Minneapolis..	Rice
Samuel Clapper....	Minneapolis..	Clark
Randall Woodcock.	Hugoton.....	Stevens
Clark Jenkins....	Paola.....	Miami
Francis Wilkinson.	Wichita.....	Sedgwick

Only one boy of all those chosen to represent counties has passed up the opportunity. "Please count me out," wrote this boy after being notified that his name headed the list from his county, "I've figured it out that a boy has only about one chance in 100 to win a prize and unless he won a prize he couldn't pay for his sow." Our young friend hadn't "figured it out" that after all the prize money is the smallest part of the contest. Every contestant is to have more than a year to pay for his sow and he will be a poor hand at pig feeding if the sow alone isn't worth more at close of the contest than when she was bought. The interest on a \$25 loan for 12 months at 6 per cent is only \$1.50. It will be a queer sort of a boy who can't show \$26.50 value over cost

of feed before January 1, 1917. Don't you think so, fellows? I'm glad this chap quit before he began. The prizes, \$25, \$20, \$15, \$10 and \$5, are yours for the winning and Mr. Capper is glad to provide them but we want boys who can see more than a few dollars prize money and a year's pig feeding in this contest. More than one boy is going to get a start in business with profits from his prize pigs.

There are 105 counties in Kansas. Although several hundred applications have been received a number of counties have no representatives. The first qualified applicant heads the list, and as soon as his entry coupon is received a recommendation blank is sent to him. This blank which calls for signatures from the postmaster, bank cashier and a farmer who knows the boy selected must be returned within 10 days. After recommendations are approved, a blank note is sent to the contestant, providing he wishes to borrow the money from Arthur Capper, and he is given 30 days to investigate and purchase a sow. The note is to be signed only by the contestant. Neither the persons who recommend him nor his father will be in any way responsible for its payment. Mr. Capper has absolute confidence in the honesty and integrity of Kansas boys.

\$25 For Boys

There still is time for you to compete for the \$25 prize offered by Arthur Capper for the best 10 ears of any variety of corn exhibited in the Capper Boys' Corn show, in Topeka, December 11, 1915. Every Kansas boy between 10 and 18 years old, who grew an acre or more of corn this year, is eligible to enter the show.

Pack 10 ears of corn carefully, being sure that your name and address is written plainly on the outside of the package, and send it to the Secretary, Capper Corn show, the Farmers Mail and Breeze, Topeka, Kan., not later than December 2. After the show the corn is yours to do with as you please.

Institutes in December

Here is a list of farmers' institute circuits for Kansas:

December 13-14, Minneapolis; 15-16, Glasco; 17-18, Excelsior; 20, Aurora; 21-22, Longford. Speakers: Carl P. Thompson and Miss Alice Poulter.
December 13-14, Lawrence; 15, Linwood; 16-17, Gardner; 18, Williamsburg; 20, Homewood; 21, Vinland; 22, Rossville. Speakers: Ross M. Sherwood and Miss Marion Hepworth.
December 13, Leon; 14, Severy; 15-16, Eureka; 17, Toronto; 18, Moran; 20, Colony; 21-22, Yates Center. Speakers: C. G. Elling and Dr. O. E. Strodman.
December 13-14, Ellsworth; 15, Lorraine; 16-17, Nickerson; 18, Pretty Prairie; 20, Huntsville; 21, Hudson; 22, Radium. Speakers: Roy Johnson and Miss Louise Caldwell.
December 13, Everest; 14-15, Troy; 16, Denton; 17-18, Atchison; 20-21, Effingham; 22, Cummings. Speakers: George O. Greene and Miss Mary Hoover.
December 13-14, Garden City; 15-16, Syracuse; 17, Johnson; 18, Richfield; 20, Elkhart; 21, Hugoton; 22, New Ulisses; 23, Santa Fe. Speakers: M. C. Sewell and Lee H. Gould.
December 9-10, Scott City; 11, Leoti; 13-14, Tribune; 16-17, Dighton; 18, Ness City; 20, Alexander; 21, Rush Center; 22, Timken. Speakers: P. E. Crabtree and C. A. Cassel.
December 9-10, Horton; 11, White Cloud; 13, Highland; 14, Severance; 15, Robinson; 16-17, Hawatha; 18, Powhattan; 20-21, Onelda; 22, Soldier. Speakers: Miss Stella Mather, C. A. Scott and H. B. Walker.
December 2-3, Indian Creek. Speakers: Miss Frances L. Brown, M. G. Burton and J. B. Fitch.

To Capper Pig Club Boys

The Farmers Mail and Breeze will be glad to publish photographs of boys who have sent in approved recommendations and been designated official county representatives in the Capper Pig Club contest. Send the photograph and a short letter about "Winter Care of Hogs at Our Farm." The best letter sent in before December 10 will win a Delta electric lantern, just the thing to use in looking after your sow and pigs on chilly nights next spring.

A snug, warm chicken house is a necessity if laying hens are to be kept through the winter.

THE CAPPER PIG CLUB

Arthur Capper, Eighth and Jackson St., Topeka, Kan.

I hereby make application for selection as the representative of

.....county in the Capper pig contest. If selected I will send recommendations as requested, I will read carefully the bulletin entitled "The Feeding and Growing of Swine" published by the Kansas State Agricultural college, will follow all instructions carefully and will keep an accurate record of the weight of the sow when received, the weight of the sow and pigs when slaughtered, sold, or at the end of the contest, and the quantity of feed fed to the sow and her litter. I will do all the work myself as far as possible and will give complete direction as to how it is to be done at any time when I cannot do it myself.

Signed.....Age.....

Approved.....Parent or Guardian

Postoffice.....Date.....

An Excellent Dairy Sale

Licenses were Issued Last Year for 3,244 Purebred Draft Stallions

BY DR. C. W. McCAMPBELL.

The best index as to the kind and quality of horses in a community, county, or state is the kind of stallions in

The counties having 50 or more stallions in which the smallest percentage of purebred stallions were licensed rank in this order:

County.	Stallions.	Per cent purebred
Rush	51	29.4
Bourbon	70	33.8
Cherokee	78	34.6
Marshall	91	36.2
Wilson	63	42.6
Stafford	53	43.4
LaBette	84	45.2
Neosho	74	45.9
Phillips	76	46.0
Rooks	69	46.3
Norton	56	46.4
Brown	67	47.7

Future improvement in the kind and quality of the horses of a community depends almost upon the influence of the good, sound, purebred sires. The



use. The following table gives the number of stallions of each breed, also the number of grades and scrubs standing for public service in Kansas in 1910 and in 1915.

Breed.	1910.	1915	Increase or Decrease
American Saddle.....	16	34	+18
Belgian	133	201	+68
Cleveland Bay	15	6	-9
Clydesdale	41	38	-3
French Coach	25	18	-17
French Draft	261	294	+33
German Coach	38	37	-1
Hackney	12	9	-3
Morgan	17	25	+8
Percheron	1342	2008	+666
Shetland	9	10	+1
Shire	114	88	-26
Standard-bred	553	416	-137
Suffolk	1	2	+1
Thoroughbred	12	8	-4
Purebreds	2569	3224	+655
Grades and scrubs...	3766	2611	-1155
Total ..	6265	5735	-530

The different breeds ranked in the order of numbers licensed for 1915 appear in this table:

Percheron	2,068
Standard-bred	416
French Draft	416
French Draft	294
Belgian	201
Shire	88
Clydesdale	88
German Coach	37
American Saddle	37
Morgan	24
French Coach	25
Shetland	18
Hackney	10
Thoroughbred	9
Cleveland Bay	8
Suffolk	6
	2

The striking feature of this table is that 63.2 per cent of all purebred stal-

tables show that even in the counties where purebred sires are most numerous there is need for more, while in the counties where they are few the necessity for more good, sound, purebred sires is most urgent. Such sires provide both pride and profit to stallion owner and stallion patron.

The stallion license law has given mare owners a means of knowing the exact breeding of the stallions they patronize, and has eliminated the misrepresentations regarding bloodlines which formerly appeared in many stallion advertisements. In 1909 more than 2,000 grades and scrubs were advertised as purebreds, while in 1915 not one such animal was so advertised in Kansas newspapers. Previous to the passage of the stallion license law hundreds of grades and scrubs with fake and fraudulent pedigrees were sold as purebreds to unsuspecting purchasers at prices ranging from \$500 to \$4,200 each. These unscrupulous stallion peddlers have left the state, as the stallion license law has exposed their wares.

These practical and beneficial results from the operation of the stallion license law make it of inestimable value to the horse raisers of Kansas. The co-operation of everyone interested in horses by seeing that the law has its widest application will result in even greater benefits.

Farmers who have separate houses for their laborers usually have no difficulty in getting help.

Mott & Seaborn's sale of Holstein cattle at Maplewood Farm, near Herington, Kan., last Thursday, was a big success. It was attended by well known dairymen from all over Kansas who were out to buy good dairy cows and they bought them and paid liberally for them. Twenty cows and heifers from 2 to 4 years old sold for an average of \$142.80. Seven cows 5 years old and over sold for an average of \$130. Three registered bull calves dropped in October sold for \$200. A March bull calf sold for \$100. The total offering of 52 head sold for \$6,288 and at an average of \$114.35. The six registered cows and heifers included in the offering and consigned by Dr. Schuyler Nichols sold for an average of \$186.40. The sale was conducted by Col. James T. McCulloch assisted by Col. Fisher and Col. Oliver in the ring. In opening the sale Col. McCulloch called to the block Prof. O. E. Reed of the agricultural college who made a short talk about the outlook for the dairy business. The sale was a big success and the reputation of Mott & Seaborn for square dealing and the fact that practically everything was bred to the wonderful bull, Canary Butter Boy King, one of the greatest living Holstein sires and owned by this firm, were factors that went to make the sale a success. Here is a list of buyers:

Registered Cows and Heifers.

No.	Registered Sows and Heifers.	
2-	Sissy Beker De Kol 3d, December, 1902, Reg., H. C. Witt, Liberal, Kan.	120.00
5-	Violet Beechwood Netherland 2-year-old, Reg., J. A. Engle, Talmage, Kan.	\$265.00
6-	Butter Boy King Sarcastic, September, 1915, Reg., H. J. Theander, Lost Springs, Kan.	65.00
8-	Sita Ideal De Kol 3d, March, 1907, Reg., W. H. Mott,	230.00
9-	Calamity Jane Helena Belle, October, 1902, Reg., H. C. Witt,	140.00
10-	Rossita Ideal De Kol, February, 1914, Reg., George Lenhart, Abilene, Kan.	195.00
11-	Pontiac Gem Ideal De Kol, January, 1915,	170.00

Grade Holstein Cows and Heifers.

1—	Marie, 4 years old, J. A. Engle.....	\$235.00
2—	Setsy, 3 years old, J. R. Collins, Seward, Kan.....	250.00
3—	Caroline, 2 years old, J. A. Engle.....	130.00
4—	Roberta, 2 years old, M. A. Anderson, Hope, Kan.....	67.50
5—	Ruth, 2 years old, H. C. Witt.....	180.00
6—	Steele, 4 years old, H. C. Witt.....	150.00
7—	Blackie, 4 years old, H. J. Theander.....	165.00
8—	Polly Ann, 3 years old, H. J. Theander.....	185.00
9—	New York, 2 years old, George Rock, Hope.....	140.00
10—	Babe, 4 years old, William House, Hope.....	100.00
11—	George, 5 years old, George Rock, Hope.....	180.00
12—	Martha, 3 years old, Dr. E. N. Farham, Hope.....	100.00
13—	Bessie, 4 years old, Dr. E. N. Farham.....	210.00
14—	Rhodie, 9 years old, H. J. Theander.....	140.00
15—	Daisy Jr., 2 years old, J. R. Collins.....	210.00
16—	Olivette, 3 years old, C. J. Burdett, Herington.....	75.00
17—	Evalana, 5 years old, George Rock, Herington.....	180.00
18—	Carrie Nation, 3 years old, Muriel Mott, Marlon, Kan.....	90.00
19—	Nellie, 6, 2 years old, J. E. Collins.....	250.00
20—	Daisy, 6, 2 years old, J. A. Engle.....	135.00
21—	Topay, 3 years old, Dr. F. H. Fisher, Herington.....	130.00
22—	Kickay, 6 years old, Isaac Snider, Herington.....	90.00
23—	Sugar Beet, 4 years old, C. A. Branch, Marlon.....	90.00
24—	Mono, 9 years old, D. O. Landis, Abilene.....	85.00
25—	W. J. Yeoman, La Crosse, Kan.....	60.00

Starting Dairy Herds

A. F. Anderson and George Townsend of Phillipsburg, Kan., have been looking over the dairy herds in Kansas with a view to starting a herd of their own. They called on Ira Romig of Topeka, Kan., last week, and selected 21 high class cows and a registered bull. They say dairy cattle of all kinds are scarce and very high in their part of the state. Mr. Anderson is one of the county commissioners of Phillips county and Mr. Townsend is one of the extensive feeders of that county. At present he has on full feed 300 steers. He says he has been feeding cattle all his life but is going into the dairy business for the reason that feeding is too uncertain. The selection from the Romig herd indicates that they are thoroughly versed in what dairy cows ought to be. They were very particular in selecting only the animals which gave greatest promise of production at the pail.

In A Useful Spot.

Willie was being measured for his first made-to-order suit of clothes. "Do you want the shoulders padded, my little man?" asked the tailor. "Now," said Willie significantly, "pad de pants."

"Better Than Gas"

wrote the man who had lived in New York and had used gas and electricity.

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
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When Pasture Days Are Over

The Gate was Closed at Jayhawker Farm November 18

BY HARLEY HATCH

WE SHUT the pasture gate this morning, November 18, for the winter. There is still some feed along the creek but not enough, we believed, to pay for the tramping the cattle would have to do to get it. This has been the longest prairie pasture season I can remember.

Seven old sows were sold this week which we had been feeding some time. They averaged 366 pounds and brought \$6.25 a hundred. Had we kept them three days more we would have seen another 40 cents a hundred knocked off the price. I would not object so much to the drop in price if consumers could get the benefit, but they do not get it except to a limited extent. The drop in price is "absorbed" by dealers all along the line and consumers are still paying the same old price for ham and bacon.

A neighbor refilled his silo, this week, which I think marks the latest date for silo filling in this part of Kansas. The silo had been filled earlier with kafir but it had settled and it was again filled, this time with cane. The cane was planted about July 15 with a lister on ground which had not been touched prior to the planting. Despite this bad start the cane had pushed along until some of it showed heads in which the seed had started to mature. There is no cultivated plant which can stand adversity like cane.

November 1, 1909 we bought our motor car and November 1, 1915 we sold it after six years faithful service. On the whole we can say that the car ran that length of time with less trouble and less repair than the average piece of farm machinery. The engine in the old car was just as good and gave just as good service as the day we bought it. Of course we have a new car to take the place of the old one; we live so far from town that, once having had a car, we cannot—or think we cannot—do without one. The new car was brought down from Kansas City with only one shift of the gear lever and that in the teeth of the wind that was so destructive at Great Bend, so we think it has plenty of power. A car that can climb Tuqua hill on high in the face of that wind is not lacking in pulling ability.

The new car has many improvements which the old car did not have, but we appreciate most the electric lights and the full floating rear axle. In the old cars the rear axle was likely to crystallize and break after it had been run about 5,000 miles. We did not know this at first and ran the old car until the axles broke. After that we did not wait for the axles to break but replaced them with new ones whenever the car had been run about 5,000 miles. By so doing we never had another breakdown. In the new cars with the full floating rear axle there is no weight on the axle so that no breaks are to be feared. In the old car we had to depend on acetylene lights which gave some trouble in cold weather although there was never but one time in the six years that we had to run in without lights of some kind.

We have received a number of letters regarding the barn on this farm which was illustrated in this column a short time ago. The shed part of the barn is sided with O. G. drop siding. The main barn has the sides above the roof of the sheds sided with the same material but the ends of the main barn are covered with shiplap. If we had it to do over again we should use drop siding throughout as it has developed fewer cracks than the shiplap. The posts in the main barn are nearly all 6 by 6 inch white pine. We could not get quite enough of the white pine so made the rest out of 2 by 6 yellow pine, three being spiked together to make the 6 by 6. I believe that the yellow pine 2 by 6 spiked together makes a stronger post than the solid white pine and they will last just as long under cover. Many now build post barns with telephone poles but it is very difficult to find poles straight enough for the work.

The posts in the main barn are 8 feet apart so that each bent forms a double

stall. Each post is set on a large rock sunk in the ground. A hole is drilled in the rock to hold an iron pin in the bottom of the post. This prevents any slipping of the post or moving by ordinary winds. As I said in the paragraph describing the barn, I think that, capacity considered, it is the cheapest barn to build. Better barns can be built, of course, and in many cases a hay floor is desirable but it costs much more to build in that style. What we were after was shelter for a large lot of hay, room for our horses and shedding for our machinery at the lowest cost combined with permanent structure; and we think we got it.

Egg prices are high and have been all summer. Despite this condition there are at this date half a million more cases of eggs in storage than at this time a year ago and this notwithstanding that half a million cases have been sold out of storage during the last month. This means high prices for the next six months at least. The only thing that

Did you hear heavy firing at sea last night? "We must have," says Congressman Gardner, of Massachusetts (big army and navy advocate), "a fleet strong enough to take the high seas and stay there in spite of any fleet which Great Britain can muster for an attack on us." How is that for a sane and sensible excuse for going the whole world one better and spending twice as much money as anybody else on the armament game? A few years ago Great Britain, the world's greatest military power, invaded its own colonies in Africa, and was hard put when it got there to whip a mere handful of Boer farmers. It is fighting now for its very existence. When you think of the risk we are running of an invasion from Great Britain, don't you feel scared all over?

might lower prices would be heavy laying during December and this does not appear likely. Hens moulted late this year, and the fall laying is not so heavy as usual on that account. If the hens can be made to lay this winter they will pay well for their keep.

Howe Holds Successful Sale

J. U. Howe, who has been breeding Duroc-Jersey hogs for a quarter of a century on his farm just west of Wichita, has retired from the business. He has leased his farm and will live in Wichita. His dispersion sale of livestock, November 17, resulted in a fairly good average all the way through. He had only a few purebred Holsteins, not enough really to attract buyers from any great distance; still the two cows with calves at foot sold for \$207.50 and \$205 respectively. A 2-year-old heifer sold for \$155 and a yearling went at \$65. The prices on the horses were fairly good. The big end of the sale, and really the important part, from a breeder's standpoint was the Duroc-Jersey division. The herd boar, Red Count, bred by J. H. Sullivan of Mangum, Okla., topped the sale at \$165. He was sired by Select Muncie and out of Silk Lady, both sire and dam being bred by W. A. Williams of Marlow, Okla. This boar went to W. D. McComas, of Wichita, who also bought quite a number of good gilts in this sale.

J. W. Mowatt of Arkansas City, was the heaviest buyer. Mr. Mowatt was the savior of the sale. He bought fully one-fourth of the offering and was the runner up on Red Count. Another heavy buyer was T. J. Grace, of Burns, Kan. Mr. Grace owns two big stock ranches, one at Burns and the other at Chaney. On the Burns ranch he maintains a herd of purebred Duroc-Jerseys and on the Chaney ranch he has a herd of purebred Hereford cattle.

The majority of the hogs went to the local farmers and breeders. The few outside buyers, however, were the men who were responsible for the good aver-

age made. Twenty tried sows sold for an average of \$35.38; 30 spring gilts sold for an average of \$25.53. The 50 females sold for an average of \$29.67. The 10 boars sold for an average of \$35.90 and the general average on the 60 head was \$30.71. Col. J. D. Snyder made the sale. This is a list of the buyers and the representative purchases by each. Practically every buyer bought several head.

Number	Name	Price
1—	W. D. McComas, Wichita, Kan.	\$165
2—	H. O. Thomas, Wichita, Kan.	33
3—	Chris Valbracht, Wichita, Kan.	34
4—	E. C. Carp, Wichita, Kan.	45
5—	C. W. Jones	40
6—	Roy Osborn, Peck, Kan.	45
7—	Jake Hibargo, Wichita, Kan.	28
8—	T. J. Grace, Burns, Kan.	40
9—	C. A. Miller, Wichita, Kan.	37
10—	D. Jackson	40
11—	E. J. Gabrielson, Wichita, Kan.	38
12—	J. B. Taylor, Wichita, Kan.	36
13—	F. C. Adams, Wichita, Kan.	32
14—	W. C. Hoover, Wichita, Kan.	36
15—	W. R. Larrimer, Bliss, Okla.	22
16—	W. Wink, Turon, Kan.	33
17—	J. W. Mowatt, Arkansas City, Kan.	40
18—	W. J. Lucas, Clearwater, Kan.	20
19—	H. M. Showalter, Wichita, Kan.	20
20—	E. H. Dowd, Valley Center, Kan.	28
21—	G. L. Brent, Leon, Kan.	26
22—	L. N. Hadley, Valley Center, Kan.	21

Acetylene is Cheaper He Says

I noticed in the Farmers Mail and Breeze of October 15 an article on "White Light from Carbide," by Grayson B. McNair of the Kansas State Agricultural college. Having had quite a bit of experience with acetylene, I should like to say a few words to correct the article.

Acetylene is acknowledged by all who know to be one of the most convenient and cheapest lights. The cost of installation and upkeep as mentioned in that article is far in excess of the real cost. The best automatic, self-regulating acetylene generator of 100 pounds carbide capacity, with good brush brass fixtures and self-lighting burners, in a house of 8 rooms, piped for gas, with 2 to 4 lights in the barn, with a good tested job of gas fitting, can be installed complete and guaranteed satisfactory for about \$225. A 200-pound carbide capacity generator can be had for about \$25 additional. Either of these is sufficient to supply all the gas needed about the farm for lights, cooking and ironing.

The upkeep by the year for carbide will be from \$10 to \$15 for lights alone and from \$15 to \$20 if used for cooking and ironing and lighting.

The depreciation on this system is very small. When rightly installed it should last from 25 to 30 years. There are no expensive bulbs or mantles to keep up, as the burner tips are of lava. Lawrence, Kan. J. C. Sproull.

Some one asks if he should mound young peach trees. By all means. It is easier for borers to destroy a small tree than a large one.

WISE WORDS

A Physician on Food.

A physician out in Oregon has views about food. He says:

"I have always believed that the duty of the physician does not cease with treating the sick, but that we owe it to humanity to teach them how to protect their health especially by hygienic and dietetic laws.

"With such a feeling as to my duty I take great pleasure in saying, that, in my own experience and also from personal observation, I have found no food to equal Grape-Nuts and that I find there is almost no limit to the great benefit this food will bring when used in all cases of sickness and convalescence.

"It is my experience that no physical condition forbids the use of Grape-Nuts. To persons in health there is nothing so nourishing and acceptable to the stomach especially at breakfast to start the machinery of the human system on the day's work.

"In cases of indigestion I know that a complete breakfast can be made of Grape-Nuts and cream; and I think it is necessary not to overload the stomach at the morning meal. I also know the great value of Grape-Nuts when the stomach is too weak to digest other food.

"This is written after an experience of more than 20 years treating all manner of chronic and acute diseases, and the letter is voluntary on my part without any request for it."

Name given by Postum Co., Battle Creek, Mich.

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



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Remember: That a bottle of "Sloan's" insures your animals against

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Write for our illustrated folder and particulars of easy purchase contract by which you get 160 acres for \$200 down, and no further payment on principal for 2 years—price \$10 to \$15 an acre. Address,

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Santa Fe Land Improvement Co.
1860 Santa Fe Bldg., Topeka, Kan.

A Man's Christmas Presents

Things Useful and Serviceable Usually Bring Pleasure

BY MABEL GRAVES



MOST of us have heard of the woman who thought long and earnestly over the question of what she should give her husband for Christmas, and finally decided on a side saddle; and of the other woman who on Christmas morning presented her husband with a toaster.

Women love to give Christmas presents. But every year there are so many sad misfits in the things we give our friends, especially the men, that it occurred to me it would be a wise plan to find what the men really want. The obvious way was to ask them. So I went in search of a man.

"What would you like for Christmas?" I asked of the first man I saw.

"A pleasant smile," was the instant reply. That sounded easy, so I went on. Presently I saw another friend and propounded my question again, "What would you like for Christmas?"

This man looked distinctly embarrassed, so I hastened to explain that I was asking merely for purposes of general information, so I could pass the word along. He seemed relieved. "Men want something useful," he began, "and they want it to suit them." That sounded easy. Study your man, and find out the things he individually cares for. Then he explained:

"Men are just as fussy about their things as women, perhaps more so. Usually a pair of gloves or a necktie is appreciated, if it is chosen with a man's personal preferences in mind. There's some way to find out what he would like, by some of the tricks women always are using. A woman could pretend, for instance to be planning a pair of gloves for another man, and inquire what kind he would give if he were doing it. But I want to buy my own gloves."

Here's a perfectly original plan for Christmas presents. It should bring joy to the woman who always has regrets when Christmas is over. "At our house," continued this man, "each member of the family makes out a list of the things he would like, 10 or 12 of them, then the others decide their selection of gifts from this list. There still is left an element of surprise, because he never knows just which of the things he has in mind he is going to get. Before we began doing this a lot of nice and expensive things were bought every year, and yet, more than likely, no one was exactly pleased."

"What would you like for Christmas?" I asked another man.

"Whoo-e-e! That's some order! It's too early. I suppose—you're trying to find out what to give some one else, aren't you?"

Again I explained that I was merely trying to get some authentic information about the things men like. His first remark was perfectly masculine.

"Well, I'm not much for frail and dainty things. I want something useful. If a man hasn't a photograph of his mother, or his father, he'd like that, always. But after that he wants something to wear. I'm always sure of ties for Christmas, and socks, and handkerchiefs. That's when I get my year's supply."

"What a man wants depends on the man. If he travels a traveling bag or toilet set would please him. Most men like gloves, if they get the right size—service gloves or dress gloves or automobile gloves. My fingers are short, though, and my family never gets me gloves. A man never has too many cuff buttons or collar buttons. I don't care for collar boxes."

"How about the silk handkerchief

cases tied with ribbon that women like to make for men?" The question seemed to fit, so I asked it.

"Not for a man! Never! A man wants something he can open easily. He wants the cover to come straight off; or if it's on hinges all the better."

Ties? They're a delicate question. But here are some rules that sound easy to follow. Just find out what the man likes. Plain dark colors are almost always good. "When I was in college," explained this man, "the ties they gave me usually were red. I wore them two or three times, and then traded them off for something else. Black is always good, or black and white. That's a good rule in anything. Notice the men you know, and nine times out of ten you'll see them wearing shirts with black stripes in them."

Whatever you do, don't give a crocheted tie to a man. I have this from two different authorities. Several years ago crocheted ties were fashionable, but they're not now. There are styles for men, too, it seems.

"What do you want for Christmas?" It was getting old, but I asked it again. "Say, that's some question! Er—going to give me something?"

Once more I explained that I was on the quest of information that would help other people decide their Christmas problems. This man spoke from the heart.

"Now, I'll tell you some things I'd really like. There's Jack, you know."

"When Jack and I go hunting we both have to use one gun. I'd like a Winchester automatic shotgun for ducks; and Jack wants a 22 rifle. I'd like a sleeping bag, and a motor boat, and the things that go with them—cooking kit and thermos bottle, and all that. Outdoor things, you know. Jack wants a flash light. I've already got him one, but he doesn't know it. Then I'm going to get him a lock for his bicycle, with a special locking device. Health is the biggest thing of all, and you get it by getting outdoors."

Truly, there are many things men like. One man enjoys his bedroom slippers so much he has bought them for every member of his family and given them to several of his friends. They are a comfort whenever one finds it necessary to be out of bed in the middle of a winter's night. These slippers are of sheep skin tanned with the wool on, and they are made with the wool inside. They are in three pieces, front, heel, and sole, and cover the ankle nicely. The front and heel pieces overlap a little, but are not sewed. Both are buttonholed to the sole. At the store these slippers cost \$1.50.

The man who travels enjoys Pullman slippers. These slippers are also for night wear. When not in use they are folded up and packed in a little leather case. Pullman slippers cost \$1.25.

"What do you want for Christmas?" Once again I asked the question, and the reply was prompt. "Something to read or something to wear—ties and gloves and—"

"Do you trust other people to select your ties?"

"Well, no, not everybody. Usually I get two or three every Christmas I can't wear. When my wife and boy buy them they're all right. When other people buy them—"

The subject seemed unpleasant. I hastened to change it.

"Isn't it the same with books—you have to know the tastes of the one who receives them?"

"Well, no," he said, "not quite the

same. There are certain books by standard authors that you like to have and like to put on your book shelves, even if you don't read them right away. They are there for reference when you do want them, and they are there for your friends to read."

After all, a man's Christmas gifts don't seem very hard, once you have duly considered them. Men want something useful, something made for service. Then if you know the personal likes and dislikes of the man you have in mind, the question is solved.

Making Over Last Year's Dress

BY MABEL GRAVES.

Remember the years when your skirts dragged the sidewalk, or the dust in the country road? They don't do that this



year. Skirts are up in the air, although their wearers are safely anchored. Shoes are unusually high in an effort to keep up with the retreating skirt, but they seldom succeed.

The very longest skirt one is permitted to wear is 4 1/2 or 5 inches from the floor. Most of them are shorter, very much shorter. And they are very pretty. Skirts are full and ripply around the bottom, and when such a skirt just a little more than meets the tops of the new high shoe the result is charming. Nor are we likely to have long skirts for a while, says one of the fashionable Topeka dressmakers. As long as they stay full they will be short.

A few months ago we threw away our tunics; but they are with us once again. Tunics are being worn mostly on evening dresses and other thin materials. They are very full, over a narrower foundation. Frequently they are cut in three or four deep points at the bottom, or are draped in pannier effect over the hips.

In the stores the pretty girl who has longings for an up-to-date party dress will find hoops displayed alluringly. No, that's not a printer's mistake; they are hoops. They are made with three wires held together with net. And it is quite possible that by spring we shall be wearing these same hoops as a part of our day-time costume.

"Necks shall be high," decreed the fashion magazines this fall. But after so many years of comfort most women refuse to be tied up in any such way. "I'd like it high, only please give me just a little space in front," pleads Mrs. Every Woman when she is having her new dress made. And so the dressmakers have given up trying to make high necks, which are ungraceful anyway. Collars are high on the back, made of lace and fur and all sorts of pretty things; but the front still is in the comfortable V.

All the coats have high collars though, which will protect us from cold. The collars of suit jackets often are edged with fur, and separate furs are made to wrap high and close around the neck.

Old Dresses Made New.

Every one of us is confronted by the same situation this year. We must give up our last year's dresses, perfectly good though the material may be, or else make them over. Fortunately for us, there never was a season when it was so easy to make over. Perhaps the makers of fashions really have had this thing in mind.

In the window of one of the big stores this week there were on display several dresses made of two materials. One of them was of plain dark green serge and a harmonizing plaid silk. The lower part of the skirt was of the plain material, stitched onto the silken upper part in points, a little above the knee. The lower part of the waist was plain, stitched onto the silk just below the bust line in corresponding points. The rolling collar was plain green, and plain shoulder straps were caught to the top of the sleeve with a button. The sleeves were of serge to above the elbow, faced at the hand with silk. At the wrist they were caught in with a band of the silk, which let them extend over the hand with a slight fullness. The inside seam was opened at the hand and the points turned back and fastened with

a button. The waist fastened with buttons down the front.

In one of the December fashion sheets an attractive two-material dress is made with pleated tunic, lower waist and deep cuffs of plain material, while foundation skirt, upper waist and upper sleeves are plaid with a red line running through. The tunic is made with a deep point on either side, and it is faced with red. The hat is black velvet, with a red rose that exactly matches the red touch in the dress.

Buttons have an important place in all dresses and coats this year—big round buttons that have to be seen.

Skirts made with the kind of tunics we wore a year ago usually have to be made over. Here is a plan that proves satisfactory. Use the tunic for side sections, and the original skirt for front and back. Piece the side sections out at the top with percaline or other lining material as deep as necessary, and after it is fitted set on a shaped hip yoke to cover the lining. Fasten on the left side, under the yoke. Of course, to be a success this made-over dress must be given up-to-date lines by cutting it over a new pattern.

For Winter Parties

What refreshments to serve at a winter party is a question that bothers many hostesses. Ice creams and sherbets, the summer standby, are too cold to serve to guests before a long homeward drive in the frosty night air, and dainty substitute dishes are not always easy to think of. Nut frappe is new to many persons and sure to be pronounced delicious. To make it soak 1/2 envelope of granulated gelatin in 1/4 cup of cold water for 5 minutes, then dissolve by setting the dish of gelatin over hot water. Dissolve 1/2 cup of sugar in 1 pint of cream and add the melted gelatin. Let set in a cold place and when the gelatin begins to stiffen, beat with an egg-beater for several minutes, then add the beaten white of 1 egg and continue the beating till the gelatin is firm enough to hold a drop on the beater. Stir in 1 cup of grated pineapple and a cup of chopped nut meats and set away to become firm. Serve cold in sherbet glasses.

Another dainty evening dessert is pecans in jelly. It requires 1/2 envelope of granulated gelatin, 1/2 cup of cold water, 1/2 cup boiling water, 1/2 cup sugar, 1/2 cup orange juice and 1/2 cup lemon juice. Soak the gelatin in the cold water 5 minutes, then dissolve in the boiling water and add sugar, and the fruit juice. Rinse a pan in cold water, then pour into it a layer of the jelly, and when it begins to set, arrange pecan nut meats on it about an inch apart. When firm add the remaining jelly. Chill and cut into cubes. Serve with or without whipped cream.

Almond caramel charlotte russe sounds difficult but is really easy to prepare. Put 1/2 cup of sugar in a saucepan over the fire and let it melt, stirring constantly with the bowl of a spoon until the sirup turns a dark brown, almost black. Add to the sirup 1/2 cup of boiling water, pouring carefully and slowly, as the caramel splatters like hot grease. Soak 1/2 envelope of granulated gelatin in 1/4 cup cold water for 5 minutes, then dissolve by pouring over it the boiling caramel water. When all is dissolved, add 1 cup scalded milk in which has been dissolved 1/4 cup sugar and set away to cool. When beginning to stiffen beat with an egg-beater for several minutes, then add a cup of cream whipped stiffly, and continue beating till the spoon will hold a drop of the mixture. Add 1 teaspoon of vanilla and 1 cup of chopped blanched almonds. When set, serve in sherbet cups lined with thin strips of sponge cake or lady fingers.

A delicious salad is made by preparing a jelly of strained tomato juice and granulated gelatin according to previous directions. Chop 1 cup walnuts; cut up a bunch of celery and 3 or 4 tart apples, using a silver knife to prevent the apples turning black. Mix with mayonnaise dressing. Rinse cups in cold water, then put in the bottom a tablespoon of the jelly and let set. Into the middle of the cup heap 2 tablespoons of the salad and pour over it the cooling jelly. When firm unmold by setting for an instant in hot water and then running a thin knife blade around the edges. Garnish with lettuce, water cress, parsley or sliced lemons.

A box of charcoal should be kept where the chickens can get at it.

Christmas Toys You Can Make

Children Enjoy Their Homemade Toys Even Better Than Those That Come from the Store



CHRISTMAS is coming! That is the reason for all the wonderful displays in the store windows. But not everything need be bought ready to use; some delightful toys can be made at home. Here are some that every boy and girl will enjoy.

Appropriate outer materials for "Billy Possum" and "Tige" are bear skin, plush or cotton flannel, with excelsior, hair or sawdust for filling. Chamois or pieces from old kid gloves will do for the soles of the feet. Shoe buttons make eyes, and embroidery floss outlines the mouth and nose.

Dolls are measured from top of head to soles of feet. Be sure to tell size wanted. The animals are cut in one size only. The price of the patterns is 10 cents each. Send all orders to the Pattern Department of the Farmers Mail and Breeze, Topeka, Kan.

Pattern 7450 is for a rag doll 16, 20, or 24 inches in length. Besides the body of the doll the pattern includes dress and bloomers.

No. 6943 includes clothes for both boy and girl dolls. The boy has a Dutch suit with high-waisted trousers, in bloomer or open edge; the girl has a pretty skirt, and the same waist does for both. Seven sizes, for dolls measuring 14, 16, 18, 20, 22, 24, or 26 inches in length.

Set of clothes 7435 includes seven garments. For dolls 14 to 26 inches in length.

C 106 is a set of baby doll clothes. One size.

Pattern 7398 is an outfit of six pieces. For dolls 14 to 26 inches in length.

Pattern M 9 is for small boys who love to play Indian. Sizes 4, 8, and 12 years.

No. 6953 is an elaborate little dress and cap for doll. Sizes 14 to 26 inches. Pattern 6908 is for dolls 14 to 26 inches.

Pattern 6400 also is for dolls 14 to 26 inches long.

Pattern 7479 includes dress, petticoat, waist, and drawers. For dolls 14 to 26 inches long.

The Santa Claus doll should be dressed in red. The pattern is No. M 11, and is cut in one size.

All the animals—Tige, No. C 103; the

rabbit, C 102; the elephant, C 104; Billy Possum, C 100; Puss in Boots, C 101; and the lion, C 105—are cut in one size.

Danger in Whooping Cough

A warning to mothers to keep their babies at home because of the prevalence of whooping cough and diphtheria has been sent out by the Kansas state board of health. Whooping cough is not the harmless disease that it is considered by many mothers. This disease alone is the direct cause of the death of 10,000 babies in the United States every year. How many more die from other diseases after having their vitality lessened by weeks of coughing and fever never will be known.

Whooping cough is a wholly preventable disease, and when mothers realize the seriousness of the infection they are going to refuse to expose their little folks to this danger.

Diphtheria is a disease which may be carried by a third person. Many children who are apparently well are carriers of the diphtheria infection. A common method of infection in school rooms is the use of common lead pencils and common drinking cups. An abundance of fresh air is vital to the health of every child, and is a great aid in preventing these diseases as well as the commoner diseases of children, such as colds and sore throat. Children should be dressed warmly, but not so heavily as to interfere with their freest movements.

True Gladness

Be glad when the flowers have faded?
Be glad when the trees are bare?
When the fog lies thick on the field and moors?
And the frost is in the air?
When all around is a desert,
And the clouds obscure the light?
When there are no songs for the darkest days,
No stars for the longest night?
Ah, yes, for the truest gladness
Is not in ease or mirth;
It has its home in the heart of God,
Not in the loves of the earth.
God's love is the same forever.
If the skies are bright or dim,
And the joy of the morning lasts all day
When the heart is glad in Him.
—Driftwood.

NOW—add the right leavener
so your biscuits or rolls will raise just right, and be just as deliciously light and wholesome, as you can make them.

Rumford Baking Powder brings out the fine flavor of your fresh materials, and insures the success of your home-baking. Rumford is a perfect leavener—never varies in strength and always dependable. A baking-day help and a baking-day economy for the farm-home.

Let us convince you—send for a trial can.

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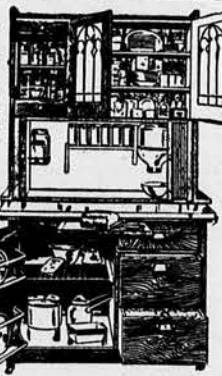
Your strength and energy are far too precious to be wasted upon tasks that a comparatively inexpensive Klemp Cabinet would make easier. The Klemp Cabinet is a neat, untiring automatic helpmate in the kitchen. It is generous in size and capacity and conveniently arranged.

Klemp Kitchen Cabinet

The Helpmate Every Housewife Needs.

It has more than a score of features, one of the most important being sliding or disappearing doors, enclosing space above the aluminum covered work table. The doors roll easily, and to open or close them it is not necessary to remove a thing from the table. Some other features are, large drawers and shelves, glass jars for sugar, spices, coffee and tea, wide sliding cutting board, 50 pound flour bin. The Klemp Cabinet is sold through dealers everywhere. Write us today for complete description and prices.

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Full weight 40 lbs., 6-lb. Pillows to match \$1.15 a pair. New, Live, clean, Feathers. Best Tickings. Sold on Money Back Guarantee. Write for **FREE** catalog. Agents wanted. **American Feather & Pillow Co., Desk 95 Nashville, Tenn.**

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CUTS OF YOUR LIVESTOCK FOR LETTERHEADS & SALE CATALOGS

Plymouth Rocks Win First

White Leghorns Again in Lead in National Contest

BY C. T. PATTERSON



Pen of Five Single Comb White Leghorn Hens which Won in the National Contest with 939 Eggs to Their Credit.

THE fourth egg laying contest at Mountain Grove, Mo., closed October 31, and the fifth annual contest began November 1.

During the four contests, 386,030 eggs were laid, of which 6 per cent were laid in January, 8 per cent in February, 12 per cent in March, 14 per cent in April, 12 per cent in May, 10 per cent in June, 10 per cent in July, 8 per cent in August, 7 per cent in September, 5 per cent in October, 3 per cent in November, and 5 per cent in December.

The fourth contest was in two parts, the Missouri and the National. The fifth contest is called the National contest and is composed of 106 pens from 23 states and two foreign countries. Each pen contains five hens and one substitute, which is used in case one hen should die or become incapacitated.

One of the many interesting features of the Missouri contest this year was the very close race between the two leading pens. Both pens were Barred Plymouth Rocks. The hens are very much alike in size, shape and general appearance, but not related in any way. Their records were very close all the way through the contest. From January on for 10 months the two pens did not vary over 14 eggs at any time, closing with only one egg difference.

Estimating that eggs average 20 cents a dozen and that it costs \$1 to feed each hen a year, the hen which lays 60 eggs in a year, just pays for her feed, and estimating that it costs one-half as much for housing and labor, the hen which lays 90 eggs a year just pays her keeping. The hen which lays 100 eggs in one year makes a profit of 10 eggs, while the hen which lays the sum of 120 eggs in one year makes a profit of 30 eggs, and is therefore three times as profitable as the hen which lays 100 eggs. The hens which lay 200 eggs a year are 110 eggs profit, which would be \$1.83 1/3 profit. Considering this as interest at 8 per cent on an investment, the hen would be worth \$22.91. This estimate is considered from a commercial viewpoint and not from a fancier's or breeder's viewpoint. The only breeder's consideration given is that the hen would reproduce herself so that the investment would be continuous.

Two hundred and forty-nine hens in the four contests laid 200 eggs or over in one year. This is approximately 10 per cent of the hens in the contests, while 358 or 14 per cent of the hens in the contests laid less than 90 eggs in one year. All hens in the four contests averaged 152 eggs each.

Twenty-five hens in the fourth con-

test laid 200 eggs or over during the year. They are as follows:

Eggs	
247	Buff Wyandotte
243	Barred Plymouth Rock
240	White Plymouth Rock
234	S. C. White Leghorn
225	Barred Plymouth Rock
225	Barred Plymouth Rock
222	S. C. White Leghorn
217	S. C. White Leghorn
216	R. C. Red
215	S. C. White Leghorn
214	S. C. White Leghorn
214	White Plymouth Rock
210	S. C. White Leghorn
207	S. C. White Leghorn
207	S. C. Red
206	White Wyandotte
206	S. C. Red
205	S. C. White Leghorn
205	Barred Plymouth Rock
205	S. C. White Leghorn
203	Buff Wyandotte
203	S. C. Black Minorca
201	Barred Plymouth Rock
200	S. C. White Leghorn
200	White Plymouth Rock

A pen of Rose Comb Rhode Island Reds won in the first contest with an average of 208 eggs a hen.

A pen of Single Comb White Leghorns won in the second contest with an average of 207 eggs a hen.

A pen of Single Comb White Leghorns won in the third contest with an average of 229 eggs a hen.

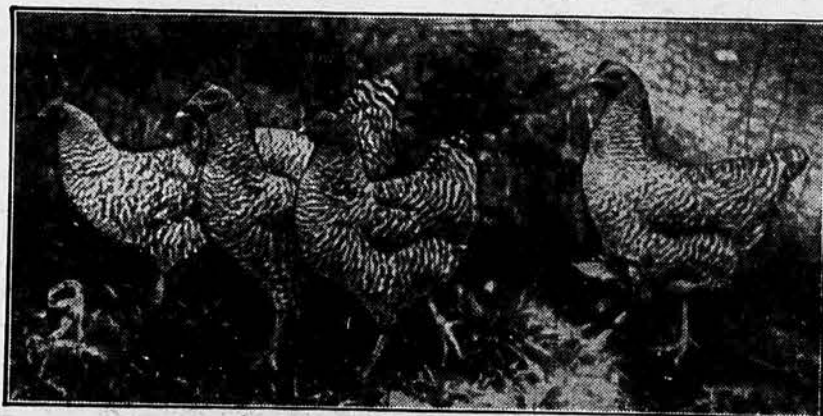
A pen of Barred Rocks won in the fourth contest with an average of 210 eggs a hen.

The ten highest pens for 12 months in the National contest this year are as follows:

Eggs	
939	Single Comb White Leghorns, England
845	Rhode Island Whites, Illinois
844	Single Comb White Leghorns, England
844	Single Comb White Leghorns, Pennsylvania
830	Single Comb Reds, Pennsylvania
824	Rhode Island Whites, New Jersey
795	Single Comb White Leghorns, Pennsylvania
789	Single Comb Black Leghorns, Georgia
755	Single Comb White Leghorns, Kentucky
754	Single Comb White Leghorns, Texas

Sharp Grit Aids Digestion

Many feed oyster shell and believe that this is all that is required in the line of grit. Oyster shell is necessary for the welfare of the hens, supplying lime that goes into the formation of egg shell and bone, but it will not altogether answer as a substitute for grit, for the reason that it is too soft. Experiments have proved conclusively that it is a matter of economy to keep a plentiful supply of good sharp grit before the fowls all the time. Where fowls are not supplied with grit much of the food eaten passes through their bodies in an undigested state. Besides, the lack of grit throws an undue strain upon the digestive system, resulting in liver and bowel trouble.

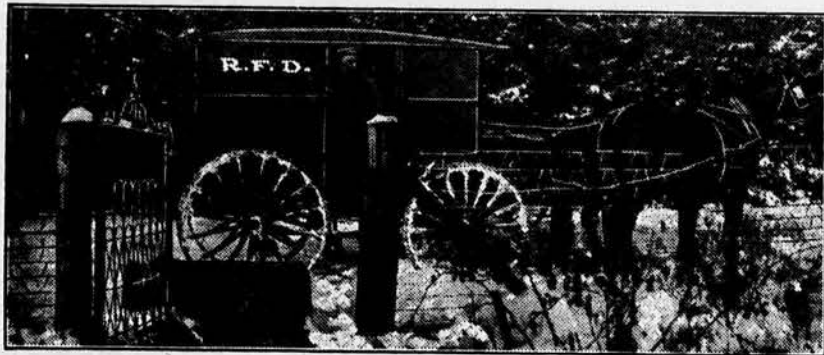


Pen of Five Plymouth Rock Hens which Won in the Missouri Contest with 1050 Eggs to Their Credit.

Butter By Parcel Post

People Will Pay Fancy Prices For Superior Products

BY C. A. BURNS



CONSUMERS who are willing to pay for quality are the consumers who are willing to go to the extra trouble and expense of ordering their butter shipped by parcel post. The man who would market his butter by parcel post and thus obtain a fancy price for it, necessarily must cater to the better class of consumers by putting out butter of extra quality. Not many years back, consumers as a usual thing wanted country butter, simply because they thought it better than creamery manufactured butter. However, we now know that creamery butter often is far better than the bulk of country butter in quality.

Selling Butter and Cream.

In many parts of Kansas, grocery dealers are buying and shipping cream simply because they find it to be a much more economical business than buying and selling country butter. That is, they actually lose money on the greater part of the country butter they buy, simply because it is of such poor quality. But is the groceryman the only one who loses on this poor quality of country butter? Indeed, he is not!

Now, it costs practically as much a pound to manufacture this poor quality of butter as it would cost to make butter that would bring the top price on the market. Now then if you will stop a moment and reason the thing out, you perhaps will see that after the cost of producing this "poor quality butter" has been taken out of the amount you are receiving for the butter, your profit is almost nothing. Not many of us like the idea of working for nothing!

We cannot take the space in this article to give all the details of manufacturing the best butter on the farm, nor marketing it by parcel post. But we will give a few suggestions which will no doubt improve the most of country butter, if followed, and also improve the farmer's chance for realizing a profit on the butterfat which he places on the market.

"Good quality butter" cannot be made from dirty rotten milk, or cream! Produce clean milk, skim this milk in a sanitary manner and cool the cream at once. Cleanness and coolness are the two watch words in the making of "good quality butter." With a certain amount of care, the problem of cleanness is solved easily, but in such a summer climate as Missouri ordinarily has, the question of coolness may be much more difficult for the most of us. Most Missouri farmers have to depend upon such agents as wells, springs, caves, and the use of cold water for cooling purposes. If milk or cream be exposed to a cool atmosphere for a long enough time it will become as cool within a few degrees, as the surrounding air, but the trouble is that it requires too long, and the milk becomes sour in the meantime. Butterfat is a very poor conductor of heat and therefore gives up its heat very slowly.

Methods of Cooling Milk.

One of the most successful ways of cooling milk or cream is that of the use of cold water. Place the milk or cream in one vessel and place this vessel inside another through which cold water is allowed to run, or at least changed several times until the cream is cooled to the desired temperature. Stirring the cream will very much hasten the cooling. Never add warm cream to that portion which has been cooled previously, as this often causes the entire lot to sour. Always cool the cream before

adding it to the can of cream which is being held for churning.

In case enough material is handled to justify it, a small cooler would be very beneficial. Cold water is also used in connection with this. Those using hand separators, should separate the milk immediately after milking and proceed at once with the cooling process. Those who depend upon hand-skimming, should cool the milk immediately after it is drawn.

Keep the butter cool and firm until it is packed in boxes for shipment. Butter should be molded neatly and uniformly, usually in the regulation form of creamery butter, neatly wrapped, placed in well fitting 1-pound cartons, and these cartons in turn, placed in either 2-pound or 4-pound cardboard boxes as desired. Butter-paper, cartons, and parcel post boxes may be ordered from any creamery supply house, and cost but little. A neat package is always attractive.

Do not wait until your parcel post packages of butter are ready to ship before you know to whom you may ship them. Let your friends and old butter customers know of your new system ahead of time. Insert a small advertisement in two or more papers if necessity demands it. Others advertise—why not you? Good advertising always pays. The consumer understands the advantages in your system, such as cutting out the middleman's profit, and getting the butter fresh from the farm; and now my farmer friend, you understand some of the advantages in this system for yourself. How about the better profit you are realizing; the doing away with peddling your butter on hot days, and always having a ready market for your "good quality butter?" Better think it all over, and act before it is too late.

New Record for Butterfat

The Holstein-Friesian cow Duchess Skylark Ormsby 124514 has broken all records for fat production, not only Holstein-Friesian, but those of all other breeds, by producing in 365 consecutive days 27,761.7 pounds milk containing 1,205.09 pounds fat. She freshened at 5 years, 3 days old. Her sire is Sir Ormsby Skylark 47010; her dam is Oakhurst Duchess Clothilde 106988. She was bred by R. B. Young, Buffalo Center, N. Y., and is now owned by John B. Irwin, Minneapolis, Minn. The test was made under the supervision of the Minnesota Agricultural college and 13 different supervisors were employed in its conduct, the test running very evenly month by month from start to finish. This remarkable production gives this Holstein-Friesian cow place above all other cows in the world and makes her the world's new dairy queen.

Malcolm H. Gardner.

Wheat is one of the best grain feeds for poultry all the year around, and especially during the laying season. It contains more protein than corn, and is, therefore, a greater aid in flesh and egg production. It is the protein in the bran mash that makes it so valuable, and if wheat cannot be had reasonably, the bran mash should be a part of the daily feed for laying hens.

To be continually changing the bill of fare hurts, rather than benefits egg production. Have one system of feeding, but let that system have as great a variety as possible.

Prof. Willis L. Moore

Ex-Chief of the United States Weather Bureau

"Tuxedo appeals to me because it is fragrant, without being heady; mild, but not tasteless. A thoroughly enjoyable, satisfying pipe tobacco that affords wholesome relaxation."

Willis L. Moore



Tuxedo—the Wise Man's Smoke

Great thinkers find Tuxedo

helpful, inspiring and re-

freshing. Nothing like a pipe of "Tux" to set an

active brain a-jumping or to clear the cobwebs out of

a tired one.

Prof. Moore is not only weather-wise—he is also tobacco-wise—and his tobacco is Tuxedo. Surely, his frank and sincere statement is enough to make you try it.

Tuxedo

The Perfect Tobacco for Pipe and Cigarette

Why do so many distinguished smokers endorse Tuxedo? Simply because it's the one tobacco that has *all* the essentials of a perfect smoke.

No such tobacco was ever known until the "Tuxedo Process" was invented to refine the natural leaf and remove the bite.

And Tuxedo is beyond the reach of imitations, because no other tobacco can be made by the "Tuxedo Process."

One week's trial will make you a permanent Tuxedo smoker.

YOU CAN BUY TUXEDO EVERYWHERE

Convenient, glassine wrapped, moisture-proof pouch 5c

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Bumper Grain Crops — Good Markets — High Prices

Prizes Awarded to Western Canada for Wheat, Oats, Barley, Alfalfa and Grasses

The winnings of Western Canada at the Soil Products Exposition at Denver were easily made. The list comprised Wheat, Oats, Barley and Grasses, the most important being the prizes for Wheat and Oats and sweep stake on Alfalfa.

No less important than the splendid quality of Western Canada's wheat and other grains, is the excellence of the cattle fed and fattened on the grasses of that country. A recent shipment of cattle to Chicago topped the market in that city for quality and price.

Western Canada produced in 1915 one-third as much wheat as all of the United States, or over 300,000,000 bushels.

Canada in proportion to population has a greater exportable surplus of wheat this year than any country in the world, and at present prices you can figure out the revenue for the producer.

In Western Canada you will find good markets, splendid schools, exceptional social conditions, perfect climate, and other great attractions. There is no war tax on land and no conscription.

Send for illustrated pamphlet and ask for reduced railway rates, information as to best locations, etc. Address

CEO. A. COOK,
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Canadian Government Agent.



Horizontal Engine

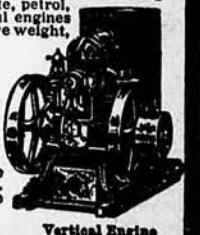
Run on Kerosene—6c for 10 Hours

Ellis Engines develop more power on cheap lamp oil than other engines do on high-priced gasoline. Will also operate successfully on distillate, petrol, alcohol or gasoline. Strongest, simplest, most powerful engines made; only three working parts. No cranking, no excessive weight, no carbonizing, less vibration, easy to operate.

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Vertical Engine

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Model 75 is a comfortable, family car with virtually all the advantages of the very large cars at a price which is well within your reach.

The price is only \$615!

It has a powerful motor; electric starting and lighting system; high tension magneto ignition; 104-inch wheelbase; cantilever springs; four-inch tires; demountable rims; streamline body design.

This season our factory capacity has been increased to 600 cars a day.

This, in itself, explains our ability to give so much car for so little money.

This newest Overland is a beauty.

The body is the latest full streamline design with a one-piece cowl.

It is handsomely finished in solid black with bright nickel and polished aluminum fittings.

Five adults can ride comfortably.

While the car is roomy, it is light in weight, 2160 pounds.

It has demountable rims with one extra.

The tires are four inch all around because we believe in the advantage of large tires.

They insure greater mileage and comfort than can be obtained from the smaller size used on other cars of similar specifications.

The motor is four-cylinder, long stroke bloc type, having a $3\frac{1}{8}$ -inch bore and 5-inch stroke. Horsepower is 20-25. It is of the most modern design.

It has high tension magneto ignition. This is the kind used on the most expensive cars.

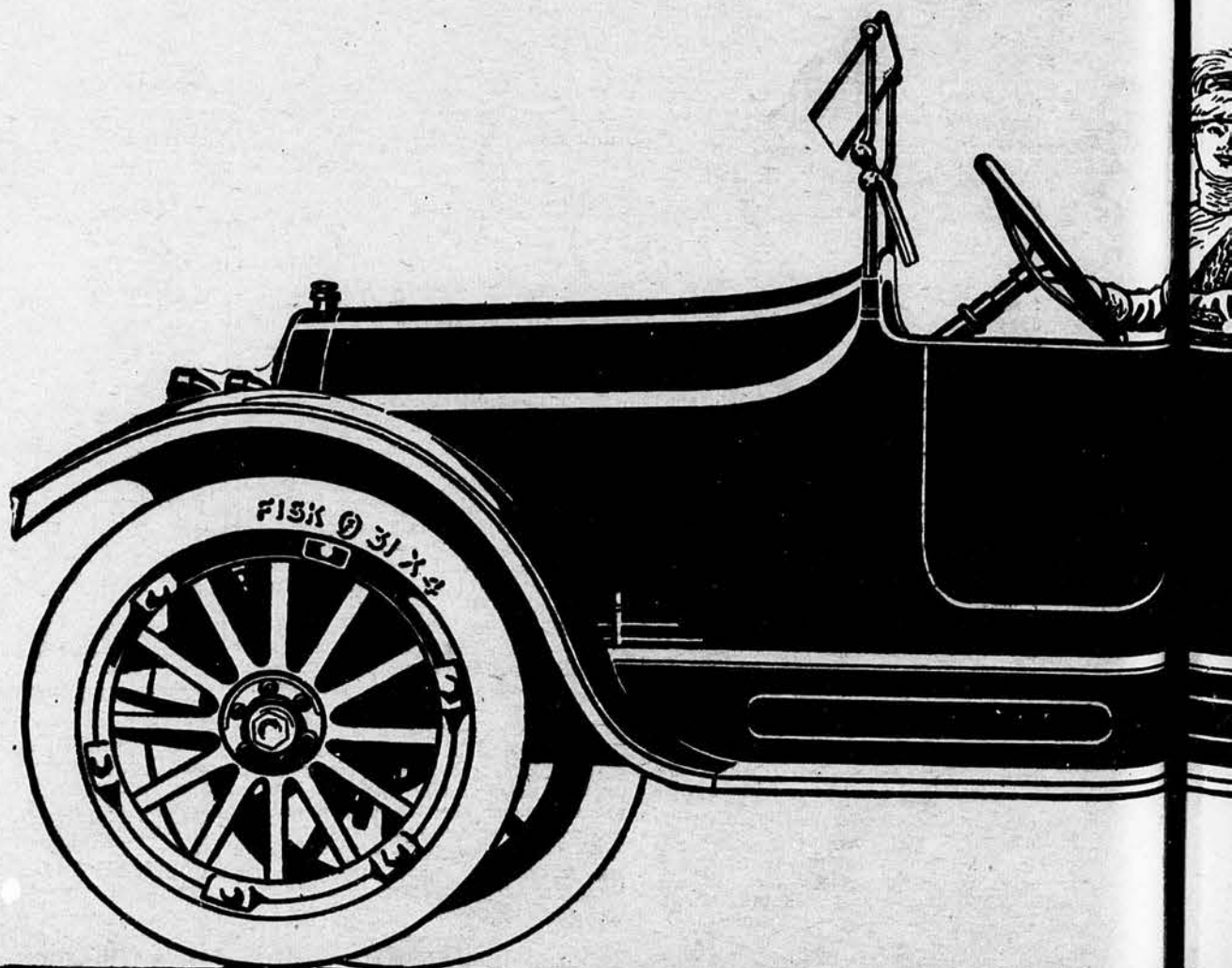
The electric starting and lighting system is one of the most efficient on the market. It is of the two-unit type.

\$615

Roadster \$515

With Electric
and Electric

Four



Model 75 - f.o.b. Toledo



The large electric headlights have dimmers.

This car is very easy to handle. It responds quickly. Anyone in the family can drive it.

The electric switches are conveniently located on the steering column. This is the same arrangement used on the highest priced cars.

It has the easy working Overland clutch which any woman can operate. The pedals are adjustable for reach. The steering wheel is large and turns easily.

The brakes are large and powerful.

The rear springs are the famous cantilever type. These are probably the easiest riding and most shock absorbing springs ever designed. With these springs riding comfort is insured.

The seats are roomy and comfortable for the soft cushions are built over deep coiled springs.

It has a mohair one-man top.

In short, there is everything that makes this car up-to-date and comparable with many cars costing considerably more money.

You will be delighted when you see it. And when you ride in it you'll know instantly that this is your ideal of a modern automobile at your idea of a moderate price.

Other Overland models are—Model 83 five passenger touring car \$750; the famous Overland Six seven passenger touring car \$1145. All prices being f. o. b. Toledo.

See the Overland dealer in your town.

Specifications of Model 75

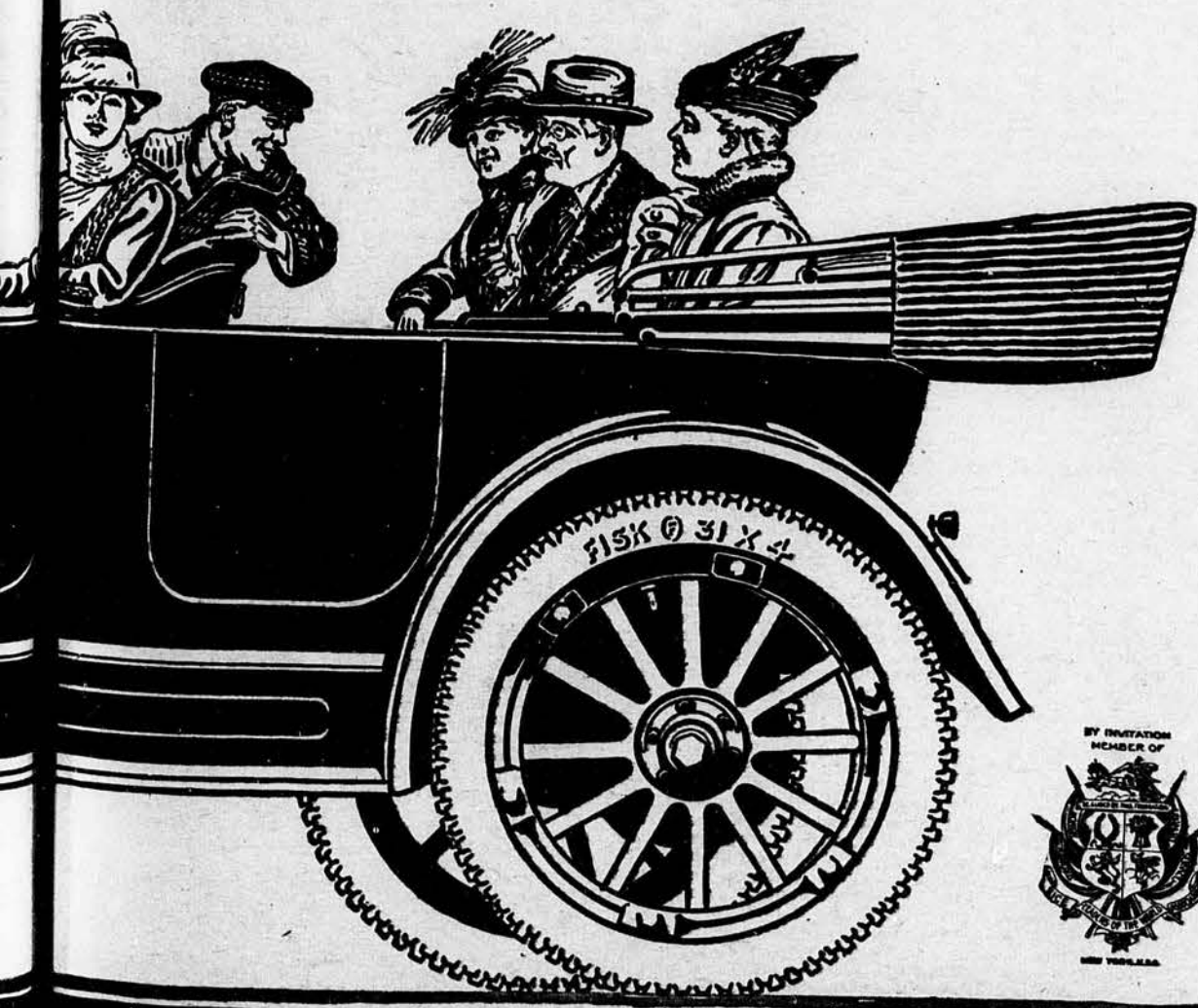
Pure streamline body five passenger touring car
Finished in black with nickel and polished aluminum fittings
Wheelbase 104 inches
High-tension magneto ignition
20-25 horsepower motor; cylinders cast en bloc
Electric starting and lighting
Headlight dimmers
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31 x 4 inch tires
Non-skids on rear
Left hand drive; center control
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Full set of tools

Catalogs on request. Please address Department 564.

The Willys-Overland Company
Toledo, Ohio

"Made in U. S. A."



The Forester's Daughter

A Romance of the Forest Service in the Bear Tooth Range of Colorado

By Hamlin Garland

(Copyright, 1915, by Hamlin Garland.)

Wayland Norcross, son of a wealthy lumberman in an eastern state, goes to Colorado in search of health. At Bear Tooth he meets Berrie, the pretty daughter of Joseph McFarlane, forest supervisor, who becomes his fellow passenger in the stage coach for a day. Berrie is greeted by her lover, Cliff Belden, a cowboy, supposed to be interested in a saloon at Meeker's Mill, where Norcross is bound. Berrie guides Norcross to his destination. They ride away together toward the mountains. A shower intercepts them and the girl gives the youth her raincoat. There is a rough element at Meeker's, and Norcross chooses Landon, the ranger, as his companion. Landon loves Berrie. Cliff notices Berrie's interest in the tenderfoot and warns him away. He also takes his betrothed to task. She resents this and breaks their engagement. Nash, the ranger at Bear Tooth, gives Wayland points on forestry. Berrie's father offers him a place in the service. He and Norcross start through the mountains, accompanied by Berrie. They climb the high, rough trail and only make camp when Wayland is on the point of collapse. Night in the open charms Wayland. Wayland blunders repeatedly. The supervisor goes after the horses which have wandered off. He is detained. Norcross arranges to sleep outside and Berrie inside a tent. Wayland being ill, Berrie insists that he sleep in the tent.

At last fully provided for, they sat contentedly side by side under the awning and watched the falling rain as it splashed and sizzled on the sturdy fire. "It's a little like being shipwrecked on a desert island, isn't it?" he said. "As if our boats had drifted away."

At noon she again prepared an elaborate meal. She served potatoes and grouse, hot biscuit with sugar sirup and canned peaches and coffee done to just the right color and aroma. He declared it wonderful, and they ate with repeated wishes that the supervisor might turn up in time to share their feast. But he did not. Then Berrie said firmly: "Now you must take a snooze. You look tired."

He was in truth not only drowsy, but lame and tired. Therefore he yielded to her suggestion.

She covered him with blankets and put him away like a child. "Now you have a good sleep," she said tenderly. "I'll call you when daddy comes."

When he awoke the ground was again covered with snow, and the girl was feeding the fire with wood which her own hands had supplied.

Hearing him stir, she turned and fixed her eyes upon him with clear, soft gaze. "How do you feel by now?" she asked.

"Quite made over," he replied, rising alertly.

His cheer, however, was only pretense. He was greatly worried. "Something has happened to your father," he said. "His horse has thrown him, or he has slipped and fallen." His peace and exultation were gone. "How far is it down to the ranger station?"

"About twelve miles."

"Don't you think we'd better close camp and go down there? It is now 3 o'clock. We can walk it in five hours."

She shook her head. "No, I think we'd better stay right here. It's a long, hard walk, and the trail is muddy."

"But, dear girl," he began desperately. "It won't do for us to camp here alone in this way another night. What will Cliff say?"

She flamed red, then whitened. "I don't care what Cliff thinks. I'm done with him, and no one that I really care about would blame us." She was fully aware of his anxiety now. "It isn't our fault."

"It will be my fault if I keep you here longer!" he answered. "We must reach a telephone and send word out. Something may have happened to your father."

"I'm not worried a bit about him. It may be that there's been a big snow-fall up above us, or else a windstorm. The trail may be blocked, but don't worry. He may have to go round by Lost Lake pass." She pondered a moment. "I reckon you're right. We'd better pack up and rack down the trail to the ranger's cabin—not on my ac-

count, but on yours. I'm afraid you've taken cold."

"I'm all right, except I'm very lame, but I am anxious to go on. By the way, is this ranger Settle married?"

"No; his station is one of the loneliest cabins in the forest. No woman will stay there."

This made Wayland ponder. "Nevertheless," he decided, "we'll go. After all, the man is a forest officer, and you are the supervisor's daughter."

She made no further protest, but busied herself closing the panniers and



"If you can't do a thing one way, do it another."

putting away the camp utensils. She seemed to recognize that his judgment was sound.

It was after 3 when they left the tent and started down the trail, carrying nothing but a few toilet articles.

He stopped at the edge of the clearing. "Should we have left a note for the supervisor?"

The trees were dripping, the willows heavy with water, and the mud ankle deep in places, but she pushed on steadily, and he, following in her tracks, could only marvel at her strength and sturdy self reliance. The swing of her shoulders, the poise of her head and the lithe movement of her waist made his own body seem a poor thing.

For two hours they zigzagged down a narrow canyon heavily timbered with fir and spruce, a dark, stern avenue, crossed by roaring streams and filled with frequent boggy meadows, where on the water lay midleg deep.

"We'll get out of this very soon," she called cheerily.

By degrees the gorge widened, grew more open, more genial. Aspen thickets of pale gold flashed upon their eyes like sunlight, and grassy bunches afforded firmer footing, but on the slopes their feet slipped and slid painfully. Still Berrie kept her stride. "We must get to the middle fork before dark," she stopped to explain, "for I don't know the trail down there, and there's a lot of down timber just above the station. Now that we're cut loose from our camp I feel nervous. As long as I have a tent I am all right, but now we are in the open I worry. How are you standing it?" She studied him with keen and anxious glance, her hand upon his arm.

"Fine as a fiddle," he replied, assuming a spirit he did not possess, "but

you are marvelous. I thought cowgirls couldn't walk."

"I can do anything when I have to," she replied. "We've got three hours more of it." And she warningly exclaimed, "Look back there!"

They had reached a point from which the range could be seen, and, behold, it was covered deep with a seamless robe of new snow.

"That's why dad didn't get back last night. He's probably wallowing along up there this minute." And she set off again with resolute stride. Wayland's pale face and labored breath alarmed her. She was filled with love and pity, but she pressed forward desperately.

At last they came to the valley floor, over which a devastating fire had run some years before and which was still covered with fallen trees in desolate confusion. Here the girl made her first mistake. She kept on toward the river, although Wayland called attention to a trail leading to the right up over the low grassy hills. For a mile the path was clear, but she soon found herself confronted by an endless maze of blackened tree trunks, and at last the path ended abruptly.

Dismayed and halting, she said: "We've got to go back to that trail which branched off to the right. I reckon that was the highland trail which Settle made to keep out of the swamp. I thought it was a trail from Cameron peak, but it wasn't. Back we go."

She was suffering keenly now, not on her own account, but on his, for she could see that he was very tired, and to climb up that hill again was like punishing him a second time.

When she picked up the blazed trail it was so dark that she could scarcely follow it, but she felt her way onward, turning often to be sure that he was following. Once she saw him fall and cried out: "It's a shame to make you climb that hill again. It's all my fault. I ought to have known that that lower road led down into the timber."

Standing close beside him in the darkness, knowing that he was weary, wet and ill, she permitted herself the expression of her love and pity. Putting her arm about him, she drew his cheek against her own, saying: "Poor boy. Your hands are cold as ice." She took them in her own warm clasp. "Oh, I wish we had never left the camp! What does it matter what people say?" Then she broke down and wept. "I shall never forgive myself if you—"

Her voice failed her. He bravely reassured her: "I'm not defeated. I'm just tired. That's all. I can go on."

"But you are shaking."

"That is merely a nervous chill. I'm good for another hour. It's better to keep moving anyhow."

She thrust her hand under his coat and laid it over his heart. "You are tired out," she said, and there was anguish in her voice. "Your heart is pounding terribly. You mustn't do any more climbing. And, hark, there's a wolf!"

He listened. "I hear him, but we are both armed. There's no danger from wild animals."

"Come!" she said, instantly recovering her natural resolution. "We can't stand here. The station can't be far away. We must go on."

THE OTHER GIRL.

THE girl's voice stirred the benumbed youth into action again and he followed her mechanically, often stumbling against the trees, slipping and sliding, till at last his guide, pitching down a sharp slope, came directly upon a wire fence.

"Glory be!" she called. "Here is a fence, and the cabin should be near, although I see no light. Hello! Tony!"

No voice replied, and, keeping Wayland's hand, she felt her way along the fence till it revealed a gate; then she turned toward the roaring of the stream, which grew louder as they advanced. "The cabin is near the falls, that much I know," she assured him. Then a moment later she joyfully cried out, "Here it is!"

Out of the darkness a blacker, sharper shadow rose. Again she called, but no one answered. "The ranger is away," she exclaimed, in a voice of indignant alarm.

Leading him toward the middle of the room, Berrie said: "Stand here till I strike a light."

As her match flamed up Norcross found himself in a rough walled cabin, in which stood a square cook stove, a rude table littered with dishes, and three stools made of slabs. It was all very rude, but it had all the value of a palace at the moment.

The girl's quick eye saw much else. She located an oil lamp, some pine wood and a corner cupboard. In a few moments the lamp was lit, the stove refilled with fuel and she was stripping Wayland's wet coat from his back cheerily discoursing as she did so. "Here's one of Tony's old jackets, put that on while I see if I can't find some dry stockings for you. Sit right down here by the stove; put your feet in the oven. I'll have a fire in a jiffy. There, that's right. Now I'll start the coffee pot." She soon found the coffee, but it was unground. "Wonder where he keeps his coffee mill." She rummaged about for a few minutes, then gave up the search. "Well, no matter, here's the coffee, and here's a hammer. One of the laws of the trail is this: If you can't do a thing one way, do it another. I depend on this coffee to brace you up," she said.

After hanging a blanket over the broken window, she set out some cold meat and a half dozen baking powder biscuits, which she found in the cupboard, and as soon as the coffee was ready she poured it for him, but she would not let him leave the fire. She brought his supper to him and sat beside him while he ate and drank.

The hot, strong coffee revived him physically and brought back a little of his courage, and he said, "I'm ashamed to be such a weakling."

"Now, hush," she commanded. "It's not your fault that you are weak. Now, while I am eating my supper you slip off your wet clothes and creep into Tony's bunk, and I'll fill one of these sirup cans with hot water to put at your feet."

It was no use for him to protest against her further care. She insisted, and while she ate he meekly carried out her instructions, and from the delicious warmth and security of his bed watched her moving about the stove till the shadows of the room became one with the dusky figures of his sleep.

A moment later, as it seemed, something falling woke him, with a start, and, looking up, he found the sun shining and Berrie confronting him with an anxious face. "Did I waken you?" she asked. "I'm awfully sorry. I'm trying to be extra quiet. I dropped a pan. How do you feel this morning?"

He pondered this question a moment. "Is it tomorrow or the next week?"

She laughed happily. "It's only the next day."

He laid his hands together and then felt of his pulse. "I don't seem to have a temperature. I just feel lazy, limp and lazy, but I'm going to get up, if you'll just leave the room for a moment—"

"Don't try it now. Wait till you have had your breakfast. You'll feel stronger then."

At this point came again the disturbing realization that this night of struggle and the ministrations of his brave companion had involved him deeper in a mesh from which honorable escape was almost impossible. The ranger's cabin, so far from being an end of their compromising intimacy, had added and was still adding to the weight of evidence against them both. The presence of the ranger or the supervisor himself could not now save Berrie from the gossips.

She brought his breakfast to him, and sat beside him while he ate, chatting the while of their good fortune. "It is glorious outside, and I am sure daddy will get across today, and Tony is certain to turn up before noon. He probably went down to Coal City to get his mail."

"I must get up at once," he said, in a panic of fear and shame. "The supervisor must not find me laid out on my back. Please leave me alone for a moment."

She went out, closing the door behind her, and as he crawled from his bed every muscle in his body seemed to cry out against being moved. Nevertheless he persisted and at last succeeded in putting on his clothes, even his shoes, though he found tying the laces the hardest task of all, and he was at the wash basin bathing his face and hands when Berrie hurriedly re-entered. "Some tourists are coming," she announced in an excited tone. "A party of five or six people, a woman among them, is just coming down the slope. Now, who do you suppose it can be? It would be just our luck if it should turn out to be some one from the mill."

He divined at once the reason for her dismay. The visit of a woman at this moment would not merely embarrass them both, it would torture Berrie. "What is to be done?" he asked, roused to alertness.

"Nothing; all we can do is to stand pat and act as if we belonged here."

"Very well," he replied, moving stiffly toward the door. "Here's where I

can be of some service. I am an excellent white liar."

The beat of hoofs upon the bridge drew his attention to the cavalcade, which the keen eyes of the girl had detected as it came over the ridge to the east. The party consisted of two men and two women and three pack horses completely outfitted for the trail.

One of the women, spurring her horse to the front, rode serenely up to where Wayland stood and called out: "Good morning! Are you the ranger?"

"No; I'm only the guard. The ranger has gone down the trail."

He perceived at once that the speaker was an alien like himself, for she wore tan colored riding boots, a divided skirt of expensive cloth and a jaunty, wide rimmed sombrero. She looked indeed precisely like the heroine of the prevalent western drama. Her sleeves, rolled to the elbow, disclosed shapely brown arms, and her neck, bare to her bosom, was equally sun smit, but she was so round cheeked, so childishly charming, that the most critical observer could find no fault with her makeup.

One of the men rode up. "Hello, Norcross. What are you doing over here?"

The youth smiled blandly. "Good morning, Mr. Belden. I'm serving my apprenticeship. I'm in the service now."

"The mischief you are!" exclaimed the other. "Where's Tony?"

"Gone for his mail. He'll return soon. What are you doing over here, may I ask?"

"I'm here as guide to Mr. Moore. Mr. Moore, this is Norcross, one of McFarlane's men. Mr. Moore is connected with the tie camp operations of the railway."

Moore was a tall, thin man with a gray beard and keen blue eyes. "Where's McFarlane? We were to meet him here. Didn't he come over with you?"

"We started together, but the horses got away, and he was obliged to go back after them. He also is likely to turn up soon."

"I am frightfully hungry," interrupted the girl. "Can't you hand me out a hunk of bread and meat? We've been riding since daylight."

Berrie suddenly appeared at the door. "Sure thing," she called out. "Slide down and come in."

Moore removed his hat and bowed. "Good morning, Miss McFarlane. I didn't know you were here. You know my daughter Siona?"

Berrie nodded coldly. "I've met her." He indicated the other woman. "And Mrs. Belden, of course, you know."

Mrs. Belden, the fourth member of the party, a middle aged, rather flabby person, just being eased down from her horse, turned on Berry with a battery of questions. "Good Lord! Berrie McFarlane, what are you doing over in this forsaken hole? Where's your dad? And where is Tony? If Cliff had known you was over here he'd have come too."

Berrie retained her self possession. "Come in and get some coffee, and we'll straighten things out."

Apparently Mrs. Belden did not know that Cliff and Berrie had quarreled, for she treated the girl with maternal familiarity. She was a good natured, well intentioned old slob, but a most renowned tattler, and the girl feared her more than she feared any other woman in the valley. She had always avoided her, but she showed nothing of this dislike at the moment.

Wayland drew the younger woman's attention by saying, "It's plain that you, like myself, do not belong to these parts, Miss Moore."

"What makes you think so?" she brightly queried.

Your costume is too appropriate. Haven't you noticed that the women who live out here carefully avoid convenient and artistic dress? Now, your outfit is precisely what they should wear and don't."

This amused her. "I know, but they all say they have to wear out their Sunday go to meeting clothes, whereas I can 'rig out proper.' I'm glad you like my 'rig.'"

At the moment he was bent on drawing the girl's attention from Berrie, but as she went on he came to like her. She said: "No, I don't belong here, but I come out every year during vacation with my father. I love this country. It's so big and wide and wild. Father has built a little bungalow down at the lower mill, and we enjoy every day of our stay."

"You're a Smith girl," he abruptly asserted.

"What makes you think so?"

"Oh, there's something about you Smith girls that gives you dead away."

"Gives us away? I like that!"

"My phrase was unfortunate. I like Smith girls," he hastened to say.

In five minutes they were on the friendliest terms—talking of mutual acquaintances—a fact which both puzzled and hurt Berea. Their laughter angered her, and whenever she glanced

at them and detected Siona looking into Wayland's face with coquettish simper she was embittered. She was glad when Moore came in and interrupted the dialogue.

Norcross did not relax, though he considered the dangers of cross examination almost entirely passed. In this he was mistaken, for no sooner was the keen edge of Mrs. Belden's hunger dulled than her curiosity sharpened.

"Where did you say the supervisor was?" she repeated.

"The horses got away, and he had to go back after them," again responded Berrie, who found the scrutiny of the other girl deeply disconcerting.

"When do you expect him back?"

"Any minute now," she replied, and in this she was not deceiving them, although she did not intend to volunteer any information which might embarrass either Wayland or herself.

Norcross tried to create a diversion. "Isn't this a charming valley?"

Siona took up the cue. "Isn't it? It's romantic enough to be the back-drop in a Bret Harte play. I love it!"

Moore turned to Wayland. "I know a Norcross, a Michigan lumberman, vice president of the association. Is he by any chance a relative?"

"Only a father," retorted Wayland, with a smile. "But don't hold me responsible for anything he has done. We seldom agree."

Moore's manner changed abruptly. "Indeed! And what is the son of W. W. Norcross doing out here in the forest service?"

The change in her father's tone was not lost upon Siona, who ceased her banter and studied the young man with deeper interest, while Mrs. Belden, detecting some restraint in Berrie's tone, renewed her questioning. "Where did you camp last night?"

"Right here."

"I don't see how the horses got away. There's a pasture here, for we rode right through it."

Berrie was aware that each moment of delay in explaining the situation looked like evasion and deepened the significance of her predicament, and yet she could not bring herself to the task of minutely accounting for her time during the last two days.

Belden came to her relief. "Well, well, we'll have to be moving on. We're going into camp at the mouth of the west fork," he said as he rose. "Tell Tony and the supervisor that we want to line out that timber at the earliest possible moment."

Siona, who was now distinctly coquetting with Wayland, held out her hand. "I hope you will find time to come up and see us. I know we have other mutual friends if we had time to get at them."

His answer was humorous. "I am a soldier. I am on duty. I'm not at all sure that I shall have a moment's leave, but I will call if I can possibly do so."

They started off at last without having learned in detail anything of the intimate relationship into which the supervisor's daughter and young Norcross had been thrown, and Mrs. Belden was still so much in the dark that she called to Berrie: "I'm going to send word to Cliff that you are over here. He'll be crazy to come the minute he finds it out."

"Don't do that!" protested Berrie. Wayland turned to Berrie. "That would be pleasant," he said smilingly. But she did not return his smile. On the contrary, she remained very grave.

"I wish that old talebearer had kept away. She's going to make trouble for us all. And that girl, isn't she a spectacle? I never could bear her."

"Why, what's wrong with her? She seems a very nice, sprightly person."

"She's a regular play actor. I don't like madeup people. Why does she go around with her sleeves rolled up that way and—her dress open at the throat?"

"Oh, those are the affectations of the moment. She wants to look tough and boisterous. That's the fad with all the girls just now. It's only a harmless piece of foolishness."

She could not tell him how deeply she resented his ready tone of camaraderie with the other girl, but she was secretly suffering. It hurt her to think that he could forget his aches and be so free and easy with a stranger at a moment's notice. Under the influence of that girl's smile he seemed to have quite forgotten his exhaustion and his pain. It was wonderful how cheerful he had been while she was in sight.

In all this Berrie did him an injustice. He had been keenly conscious, during every moment of the time, not only of his bodily ills, but of Berrie, and he had kept a brave face in order that he might prevent further questioning on the part of a malicious girl. It was his only way of being heroic. Now that the crisis was passed he was quite as much of a wreck as ever.

FURTHER PERPLEXITIES.

PERCEIVING Wayland's returning weakness, Berea insisted on his lying down again while she set to work preparing dinner. "There is no

telling when father will get here," she said. "And Tony will be hungry when he comes. Lie down and rest."

He obeyed her silently and, going to the bunk, at once fell asleep. How long he slept he could not tell, but he was awakened by the voice of the ranger, who was standing in the doorway and regarding Berrie with a round eyed stare.

He was a tall, awkward fellow of about thirty-five, plainly of the frontier type, but a man of intelligence. At the end of a brief explanation Berrie said, with an air of authority: "Now you'd better ride up the trail and bring our camp outfit down. We can't go back that way anyhow."

The ranger glanced toward Wayland. "All right, Miss Berrie, but perhaps your tenderfoot needs a doctor."

Wayland rose painfully, but resolutely. "Oh, no, I am not sick. I'm a little lame, that's all. I'll go along with you."

"No," said Berrie decisively. "You're not well enough for that. Get up your horses, Tony, and by that time I'll have some dinner ready."

"All right, Miss Berrie," replied the man and turned away.

Hardly had he crossed the bridge on his way to the pasture when Berrie cried out, "There comes daddy."

Wayland joined her at the door and stood beside her watching the supervisor as he came zigzagging down the steep hill to the east with all his horses trailing behind him roped together head to tail.

"He's had to come round by Lost Lake," she exclaimed. "He'll be tired out and absolutely starved. Wahoo!" she shouted in greeting, and the supervisor waved his hand.

There was something superb in the calm seat of the veteran as he slid down the slope. He kept his place in the saddle with the air of the rider to whom hunger, fatigue, windfalls and snowslides were all a part of the day's work, and when he reined in before the door and dropped from his horse he put his arm around his daughter's neck with quiet word: "I thought I'd find you here. How is everything?"

"All right, daddy. But what about you? Where have you been?"

"Clean back to Mill park. The blamed cayuses kept just ahead of me all the way."

"Poor old dad! And on top of that came the snow."

"Yes, and a whole hatful. I couldn't get back over the high pass. Had to go round by Lost Lake, and, to cap all, Old Baldy took a notion not to lead. Oh, I've had a peach of a time, but here I am. Have you seen Moore and his party?"

"Yes, they're in camp up the trail. He, and Alec Belden and two women. Are you hungry?"

He turned a comical glance upon her. "Am I hungry? Sister, I am a wolf. Norcross, take my horses down to the pasture."

She hastened to interpose. "Let me do that, daddy. Mr. Norcross is badly used up. You see, we started down here late yesterday afternoon. It was raining and horribly muddy, and I took the wrong trail. The darkness caught us, and we didn't reach the station till nearly midnight."

Wayland acknowledged his weakness. "I guess I made a mistake, supervisor; I'm not fitted for this strenuous life."

McFarlane was quick to understand. "I didn't intend to pitchfork you into the forest life quite so suddenly," he said. "Don't give up yet awhile. You'll harden to it."

"Here comes Tony," said Berrie. "He'll look after the ponies."

Nevertheless Wayland went out, believing that Berrie wished to be alone with her father for a short time.

As he took his seat McFarlane said: "You stayed in camp till yesterday afternoon, did you?"

"Yes, we were expecting you every moment."

He saw nothing in this to remark upon. "Did it snow at the lake?"

"Yes, a little; it mostly rained."

"It stormed up on the divide like a January blizzard. When did Moore and his party arrive?"

"About 10 o'clock this morning."

"I'll ride right up and see them. What about the outfit? That's at the lake, I reckon?"

"Yes, I was just sending Tony after it. But, father, if you go up to Moore's camp don't say too much about what has happened. Don't tell them just when you took the back trail and just how long Wayland and I were in camp."

"Why not?"

She reddened with confusion. "Because—You know what an old gossip Mrs. Belden is. I don't want her to know. She's an awful talker, and our being together up there all that time will give her a chance."

TO BE CONTINUED.

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NORTON	STEVENS	SEWARD	MEADE	CLARK	COMANCHE	BARBER	HARPER	SUNSHINE	COWLEY	CHANDLER	CHICK

WHEAT prospects never were better in Pawnee county than they are this fall, according to an article in last week's Larned Tiller and Toiler. Much of the wheat is out of the ground, some of it already standing 4 inches high. Threshing has been neglected for plowing and seeding, and the long stretches of green to be seen on all sides during a drive through the country give promise of developing the greatest wheat crop ever grown in the county.

William Haage, who lives six miles northwest of Garfield, has 3,000 bushels of last year's crop which has not yet been marketed. Mr. Haage has threshed 9,000 bushels this year and has about 1,000 bushels remaining to be threshed. From one field, he reports a yield of 30 bushels to the acre. Ed Bruntzel, seven miles northwest of Rozel, received a 17-bushel average yield from his entire acreage this year.

KANSAS.

Wyandotte County—Weather mild for this time of year. Ground dry on the surface and very hard. Wheat needs rain but it is not suffering. No rain for two months.—G. F. Espenlaub, Nov. 20.

Decatur County—Wheat sowing finished, and acreage is somewhat reduced. Corn husking has begun. Corn generally good. Weather continues good. New corn 40c; wheat 80c; hogs \$5.50.—G. A. Jern, Nov. 20.

Sheridan County—Farmers still sowing wheat. Wheat conditions about 90 per cent. Soil in fine condition. Not much corn gathered yet. Cattle very high. Horses declining in price. Hogs \$6.80; wheat 92c.—R. E. Patterson, Nov. 20.

Russell County—Fine weather for this time of year. No rain lately but the ground is in good condition. Wheat threshing nearly finished. Most of the feed put up in good shape. Roads in fine condition. Wheat 93c; corn 65c; eggs 25c.—Mrs. Fred Claussen, Nov. 20.

Sumner County—Fine weather the last few weeks has been a boon for those who had threshing to do. Threshing is progressing nicely. The growing wheat is looking well. Stock doing well. Wheat 93c; corn 50c; oats 55c; eggs 24c; butterfat 28c; potatoes 80c.—E. L. Stocking, Nov. 20.

Washington County—Good corn husking weather and some farmers have finished husking. A part of the corn making 75 bushels to the acre. Large acreage of wheat sowed. A number of farmers purchasing autos. Cream 28c; eggs 25c; chickens 10c.—Mrs. Birdsey, Nov. 20.

Elk County—Fine weather. Farmers busy finishing gathering the corn crop. Early planting of corn fine. Late planting came out surprisingly well after the heavy frost. Feterita that was supposed to be ruined by frost will make fine rich feed. Hay \$6.50 ton; hogs 6½c.—Mrs. S. L. Huston, Nov. 19.

Chase County—Fine fall weather. Farmers busy husking corn, topping kafir and baling alfalfa. Some corn yields as high as 70 bushels to the acre. Corn of good quality. Kafir not so good as corn. Eggs scarce. No kafir threshed yet. Baled alfalfa \$7 to \$11; corn 50c; eggs 25c to 30c.—J. O. Wilson, Nov. 20.

Douglas County—Cool and windy dry weather. Wheat in need of moisture. Some fly in the early sown wheat. Corn gathering progressing nicely. Corn not as good as expected. Stock healthy and doing well. Alfalfa scarce. Corn 55c; wheat 95c to \$1; alfalfa \$11 to \$13; prairie hay \$8; hogs \$6.25 cwt.—O. L. Cox, Nov. 19.

Stevens County—First snow of the season on November 9 but it melted almost as fast as it came. Some cold weather with wind is making feterita and milo go down very badly. Wheat looking very good. Stock doing well. Farmers busy gathering grain and it is a good crop. Help is scarce and high.—Monroe Traver, Nov. 19.

Grant County—Fine weather and crops about all taken care of. Some milo being threshed and some of it is making 50 bushels to the acre. Some wheat to thresh yet. Corn pretty good. Broomcorn seeding has begun and some being sold for \$110 a ton. Milo 85c; good calves \$35; cows \$50 to \$100.—J. M. Kinsman, Nov. 17.

Graham County—Fall sown wheat looking fine but a little moisture would do no harm. Stock doing well and some of it being pastured on volunteer grains. Threshing still in progress but it soon will be completed. Corn husking is the order of the day, the quality of corn being the best ever and the yield being from 40 to 60 bushels to the

acre. This is a fine time for farmers to lay in a supply of corn for a year or two ahead. More good granaries and cribs being built this fall than ever before. Plenty of roughness such as fodder, hay, straw. Hogs 86; wheat 90c; corn 45c; eggs 25c; turkeys 12c; chickens 10c; apples 75c; potatoes 75c.—C. L. Kobler, Nov. 20.

Barton County—Fine fall weather the last three or four weeks. Plenty of moisture. Wheat looks good with the exception of fields where there is volunteer. Some stock on wheat pasture and doing well. Considerable stock has been shipped in. Corn husking has begun and the yield and quality are good. Some wheat being marketed at 92c; corn 50c; oats 45c.—J. A. Johnson, Nov. 20.

Clark County—Wheat in excellent condition and affording good pasture. About the usual acreage of wheat this year. Heavy winds have lodged kafir and milo. Heavy crops of forage feed and more cattle will be wintered than usual. Hogs dying in some localities with swine plague. Old wheat and this year's crop about all shipped out. Small acreage of cane and broomcorn. Corn crop good.—H. C. Jacobs, Nov. 23.

Meade County—Wheat all sown. Kafir is the best crop this year as there was too much moisture for the other sorghums. Corn never was better and is making 35 to 40 bushels to the acre. Some hogs dying with cholera but not many herds affected. Cattle and horses not in very good condition. Too much rain for the buffalo grass but the wheat pasture is ready now and stock are gaining rapidly. No feed threshed yet.—W. A. Harvey, Nov. 19.

Hamilton County—Unusually cold weather the last 10 days and there was an inch of ice. Some high winds, and a number of destructive prairie fires have started over a large section in the northwest part of this county causing considerable damage. Everybody busy gathering and stacking grain and feed. Some wheat being sown. Corn in the ear 60c; milo and feterita 65c; eggs 32c; butterfat 27c; loose hay \$5 to \$7; apples \$1; calves \$30 to \$40.—W. H. Brown, Nov. 20.

Wallace County—Dry and windy weather. First snow November 17 and a very cold wave at the same time. Early sown wheat needs rain. Corn husking in progress and it is making 20 to 30 bushels to the acre. More soft corn than was expected. About three-fifths of the crop will not be marketable. Pastures dry and some farmers beginning to feed. Plenty of roughage. No disease among stock. Many cattle going to market. Wheat 90c; corn 45c; barley 30c; eggs 30c.—Charles McKinley, Nov. 19.

OKLAHOMA.

Lincoln County—Fine weather. A killing frost November 14. Cotton about three-fourths picked. Green bugs working on the fall sowed grain. Feed plentiful. Horses and cattle high. Hogs 5½c; chickens 9c; cotton 11c; pecans 6½c to 7c.—J. B. Pomeroy, Nov. 20.

Kiowa County—Fine weather has greatly helped in gathering the cotton crop which

is two-thirds gathered. Stock in good condition. Price for seed and lint cotton has been good and has brought more money than the big crop of last year. Many public sales and prices are good. Lint cotton 10c to 11c; cotton seed \$30 ton; cream 27c; hens 8½c; eggs 24c; hogs 5c to 5½c.—T. Holmes Mills, Nov. 20.

Payne County—Big rain and hail November 17 in the western part of the county damaged kafir that was not harvested. Biggest crop of kafir for years. Wheat growing nicely and looking well. Fat cattle getting scarce. Fat hogs plentiful. Only one light frost. Kafir threshing has begun. Wheat 90c; oats 28c; corn 45c; kafir 40c.—F. F. Lett, Nov. 20.

McIntosh County—Cool but pleasant weather. Killing frost November 15, and the top crop of cotton was caught quite soft. Corn not all gathered yet. This is a good time to plow and a few farmers are taking advantage of it. Not much stock on feed and corn being shipped out at 44c.—H. S. Waters, Nov. 20.

Beaver County—Wheat threshing about three-fourths done and the sowing is almost done. Wheat acreage a little less than last year. Milo and kafir will make a very good yield and the weather is very good for these crops. A few sales and stock bringing good prices. Broomcorn \$40 to \$50; wheat 90c; kafir 30c.—E. J. Walters, Nov. 19.

Fair Terms for Feeders

Can you give me a rule for letting cattle out to feed? I have some cattle I would give to the right party with plenty of feed to fatten. Would you answer the above question through the columns of the Farmers Mail and Breeze, stating who assumes risk and how increase in weight is divided? I thank you in advance for this favor.

JOHN P. SANBORN.

Colorado.

W. A. Cochel of the Kansas State Agricultural college, a national authority on anything pertaining to cattle and cattle feeding says there is no general rule in regard to placing cattle out to feed. The gains made by cattle that are on full feed cost more by the pound than the final selling price of the cattle. The reason for this is that while the gain is in dressing percentage the cattle are sold upon the basis of live weight and the improvement on the value of the carcass is not represented entirely by gains.

With corn at 50 cents a bushel and roughage at the customary price this year gains on calves should be made at a cost of approximately \$8 a hundred. On 2-year-old cattle that are not made excessively fat, \$9 to \$11 a hundred.

An equitable basis upon which a co-operative feeding venture could be established would be to value the cattle at the time they go into the feedlots; estimate the cost of all feeds they have consumed, then divide the profits between the men in proportion to the amounts that each had invested in cattle and in feed. Under this condition each man should assume his proportionate share of the risk. In other words, if cattle which are worth 7 cents a hundred and weigh 1,000 pounds should be placed in the feedlot at \$70 a head and were fed \$40 worth of feed before being sold, the owner of the cattle should receive seven-elevenths of the total proceeds and the feeder four-elevenths. If cattle should decrease in value during the feeding period then the loss would be proportional.

Jones—I don't see your husband at the club of late, Mrs. Brown!

Mrs. Brown—No, he stays at home now and enjoys life in his own way as I want him to.—Houston Chronicle.

Petition Against Armament

If the people are to prevent the establishing of the European military policy in this country, they must act with vigor and determination. Only a storm of protest can stay it. Sign and get your neighbor to sign this petition. Clip this form from the page, affix it to the top of a sheet of paper and you will have room for other signatures. When signed return to Desk 3, Farmers Mail and Breeze, Topeka, Kansas.

To the President and the Congress:

We respectfully request the President and the Congress not to enter upon an elaborate program of defense at this time; to wait until we shall have had time to profit by the lessons of the war and can see more clearly what our course should be. We condemn the proposed program of "defense and preparedness" as an unwarranted war measure antagonistic to every American principle and tradition, as certain to bring the curse of militarism upon us, and as contrary to the welfare and the wishes of the American people. We believe that inevitably it will create unfriendly suspicion and lead to armament among neighbor nations; that it will render more acute all our own grave national problems; that it will open the door to unparalleled jobbery and "pork barrel" legislation, and that it will increase enormously the rapidly growing expenses of government and impose a crushing burden on the people of the nation.

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Fewer Cattle on the Market

Breeding Stock and Cheap Feeders are Going to the Country from the Central Cities

THE cattle supply was about 8,000 smaller last week, but the benefit the reduction might otherwise have been to the market was offset by weakness in the beef trade incident to the approach of Thanksgiving, with its larger demand for poultry. Stockers and feeders sold stronger Monday, but trade was slow after that, with some weakness in prices. Lower prices are attracting buyers from sections not accustomed to taking cattle from the central markets. Oklahoma and western Kansas are buying cheap cattle to run on wheat or to be roughed through the winter, and the Panhandle is taking a lot of breeding stock. Iowa is buying some feeders, having soft corn that must be disposed of, and Illinois took a few feeders last week. The demand is taking twice as many cattle as were going to the country at this time last year.

Beef cattle may show some strength after this week, and a certain number of Christmas steers will be wanted at a high price. Cows are slightly lower, bulls stronger. Best steers sold at \$9.25 to \$9.85; good fed steers, \$8 to \$9; short fed steers, \$7.50 to \$8.25; plain Kansas westerns, \$6.40 to \$6.75; heavy cows, \$5.75 to \$6.75; bulls, \$4.65 to \$5.85; veal calves, \$8 to \$10; stock steers, \$5.75 to \$7.75; feeders, \$6.50 to \$7.65; Panhandle steers sold at \$6.50 to \$7.75; good Panhandle feeders, \$7.30 to \$7.65; Colorado yearlings and 2-year-olds, \$6.50 to \$7.50; Colorado beef steers, \$6.50 to \$7.25; odd head, \$8; Colorado cows, \$5.50 to \$6.50.

Hogs lost 100 to 150 each of the first three days last week, but the market showed strength the last two days. Top, \$6.65; bulk, \$6.30 to \$6.55. Receipts, 8,000 less than the preceding week. Packers have paid up to the top price nearly every day, and the market is evidently down to a paying basis for them, judging from their willingness to take the hogs. Chicago has had heavy receipts, containing a large number of pigs and immature hogs, but other markets have had moderate receipts, and it is hard to detect any reason for weakness in the market. The sheep and lamb supply is moderate, and contains a few fed westerns. Prices are slightly lower, under the pre-Thanksgiving influence, but the normal situation in the lamb market is one of strength, and higher prices next week will be in order, especially for well finished lambs. Country demand is not as urgent as heretofore, particularly for ewes, since the season is getting late for breeding this year. Best fat lambs are quotable up to \$8.60; ewes, \$6.65; wethers, \$6; yearlings, \$6.25 to \$7; feeding lambs, \$7.65 to \$8.15.

Receipts of Livestock.

	Last week	Preceding week	Year ago
Cattle—			
Kansas City.....	57,150	65,100	49,450
Chicago.....	56,500	54,400	29,000
Five markets.....	172,850	187,660	116,850
Hogs—			
Kansas City.....	51,950	58,375	94,150
Chicago.....	205,000	161,000	124,000
Five markets.....	361,850	333,175	350,950
Sheep—			
Kansas City.....	35,600	33,950	28,850
Chicago.....	77,000	60,000	72,000
Five markets.....	199,800	197,050	163,000

Horse and Mule Market.

With the British army buyers out of the market for horses temporarily, trade has been at a standstill the last week. Mules are in fairly active demand, both on war contracts and to go to the cotton states.

Receipts in the last seven days were 1,368 head, compared with 1,724 in the preceding week and 2,130 a year ago.

Prevailing quotations are:

Drafters, 1,700 pounds up.....	\$200@250
Drafters, fair to good.....	165@195
Chunks.....	135@175
Southern, fair to good.....	75@170
Mules—	
13.2 to 14.2 hands.....	\$100@125
14.2 to 15.2 hands.....	115@140
15.2 to 16 hands.....	135@180
16 to 16.2 hands.....	180@240

Reduction in Export Wheat Sales.

Exports of wheat and flour from the United States and Canada last week, according to Bradstreet's were 10,238,000 bushels, compared with 12,875,000 bushels in the previous week and 7,395,000 bushels a year ago. Since July 1 the Bradstreet's figures show total exportation of 144 million bushels, about the same as in the corresponding time last year. The uncertain shipping situation probably had some effect in reducing new export sales of wheat. Sales publicly announced last week amounted to only about 2 million bushels, both domestic and Canadian, the smallest for some time past.

Reports from England said that large current arrivals and recent heavy purchases in America had relieved the shortage in supplies and that buyers are more complacent over the situation. French dealers are hampered by restrictions imposed by the government and are prevented from purchasing to any extent, though the government is credited with buying whenever the prices favor it.

Efforts of the Australian government to secure tonnage for wheat have not met with much success, and it is estimated that not over 40 million bushels of wheat will be shipped up to next July. Argentina movement, also, is expected to be slow owing to the scarcity of vessels and unusual home needs.

Amounts of Wheat Received.

Total arrivals of wheat at the five important primary markets last week were

12,674 cars, 10 per cent less than in the preceding week, compared with 9,347 cars a year ago and 5,365 cars two years ago. The decrease in receipts is seasonable for this time of year. Rain or snow fell over a considerable portion of the wheat belt, and country deliveries fell off, so that further reduction is probable.

Stocks are Piling Up.

Despite the smaller receipts, stocks of wheat at important centers showed further accumulation. In Kansas City there was an increase of about 3/4 million bushels, the largest gain of the crop season. Minneapolis stocks increased 430,000 bushels and Duluth gained about 2 1/2 million bushels. Receipts in Chicago were 1 1/2 million bushels more than shipments and seaboard points exported about 1 1/2 million bushels less than received.

A liberal increase is expected in the visible supply statement tomorrow. In the two weeks up to last Monday the visible supply total has increased nearly 12 million bushels to 34,593,000 bushels. A year ago visible stocks made a total of 75,388,000 bushels, an increase for the week of 1,812,000 bushels.

Belief in higher prices for corn futures gained ground last week owing to growing uneasiness over the situation in the northern territory, where the supply of merchantable corn was materially reduced by early frosts.

Hard Wheat—No. 2, nominally \$1@1.06; No. 3, \$1.06; No. 4, 97c.
Soft Wheat—No. 2, nominally \$1.07@1.10; No. 3, \$1.06; No. 4, 97c.
Corn—No. 2 white, nominally 59@60c; No. 3, nominally 58@59c; No. 2 yellow, nominally 60@61c; No. 3, nominally 59@59 1/2c; No. 2 mixed, 60c; No. 3, 59c; No. 4, 58c.
Oats—No. 2 white, nominally 37 1/2@38c; No. 3, nominally 36 1/2@37c; No. 4, 36c; No. 2 mixed, nominally 35@36c; No. 3, nominally 34@35 1/2c.
Kafir—No. 2 white, 91c. Barley—No. 4, 52 1/2c. Bran—Nominally 86c. Shorts—

Taking the ground that Kansas cannot afford to pay \$3,000 apiece for more young doctors when there is an oversupply and no lack of medical schools elsewhere, Governor Capper declined last March, at the time he vetoed \$229,000 in appropriation bills, to appropriate \$50,000 for a new building for the Kansas medical school, which graduates ten or a dozen students annually at the expense of about \$30,000 to the state. His judgment has since been confirmed by the Journal of the American Medical association. In its issue of August 18 it declares we have too many medical colleges and that we need fewer and better trained physicians. We had 162 such colleges in this country, a few years ago, more than half the world's supply, and they were turning out many doctors that were without even a high school education. The Journal adds that the annual number of graduates still is nearly double the loss of physicians by death.

Nominally \$1@1.15. Corn chop (city mills) \$1.15@1.19. Rye—No. 2, nominally 87@88c; No. 3, 86 1/2c.
Seed—Per cwt., alfalfa, \$14@16.50; clover, \$13.50@17; timothy, \$5.50@6.50; cane seed, 90c@1.05; millet, German, \$1.50@1.75; common, \$1.25@1.50.

Kansas City Hay Market.

Prairie, choice, \$10.50@11; No. 1, \$9@10; No. 2, \$7@8.50; No. 3, \$4.50@6.50. Lowland prairie, \$4@5. Timothy, No. 1, \$11@12; No. 2, \$7.50@10.50; No. 3, \$5.50@7; Light clover mixed, \$10@11; No. 1, \$8.50@9.50; No. 2, \$6.50@8. Clover, No. 1, \$9@10; No. 2, \$6.50@8. Alfalfa, choice, \$10@14.50; No. 1, \$13@13.50; standard, \$10.50@12.50; No. 2, \$9@10; No. 3, \$6@7.50; straw, \$4.50@5. Packing hay, \$4@4.50.

Butter, Eggs and Poultry.

Eggs—Extra, new white wood cases included, 32c a dozen; firsts, 29c; seconds, 22c.

Butter—Creamery, extra, 30c a pound; firsts, 28c; seconds, 26c; pound prints 1c higher; packing stock, 19c.

Live Poultry—Broilers under 2 pounds, 17c; springs, 15 1/2c; young roosters, 12c; old, 8 1/2c; hens, No. 1, 11@11 1/2c; turkeys hens and young toms, 16 1/2c; old toms, 15c; ducks, 12c; geese, 10c.

European—Our war is terrible, I know of a colonel who commanded a regiment of 1,000 privates and lost half of them in one battle.

Mexican—That's nothing compared with our war. I know of one private who was commanded by 1,000 generals and lost 750 of them in one battle.—Puck.

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Just as soon as you send me a name for the pony I will tell you all about my great offer and I will also send you a special coupon good for 1500 free pony votes. Remember, I will give \$25 for the best name for this pony, and I send you 1500 free pony votes and full particulars about the pony as soon as I hear from you. Write me today.

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BARRED PLYMOUTH ROCKS OF QUALITY. Cockerels, hens, pullets. John Roberts, Union Star, Mo.

WHITE ROCKS, COCKERELS FROM prize winning stock, cheap. Mrs. Ben Miller, Newton, Kan.

BUFF PLY. ROCKS, FOUR GOOD BREEDING pullets and one cockerel \$7.00. W. F. Alden, Ellsworth, Kan.

PURE BARRED ROCK COCKERELS. Large, farm raised, \$1.50 each, 6, \$8.00. Mrs. S. Van Scoyoc, Oak Hill, Kan.

PURE BARRED ROCK COCKERELS. Early hatched, large and vigorous. Farm raised. \$1.50 each. Mrs. H. Buchanan, Abilene, Kan., Dickinson Co.

PRIZE WINNING BARRED ROCK COCKERELS \$1.00 to \$3.00. Choice pullets \$1.00. Carl Brown, Braman, Okla.

PURE BRED BARRED ROCK COCKERELS with size and quality \$1.00 each. Glendale Farm, Olivet, Kan.

BARRED ROCK COCKERELS: THE BEST we ever raised. Price \$1 and \$2. Mrs. Samuel Drybread, Elk City, Kan.

BARRED ROCK COCKERELS. 60 FINE cockerels at \$1.00 and \$1.25 each if taken in Nov. G. M. Shepherd, Lyons, Kan.

PARTRIDGE ROCKS, EXTRA QUALITY. Stock now \$3.00 each if ordered soon. Write today. J. W. McVey, Stafford, Kan.

EIGHTEEN BARRED ROCK YEARLING hens. "Thompson strain." One dollar each. J. P. Farnsworth, 224 Tyler St., Topeka, Kan.

WHITE AND BARRED PLYMOUTH Rocks. Utility, breeders, exhibition. Prices reasonable. Catalog free. J. Harland, Shenandoah, Iowa.

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BARRED ROCK COCKERELS, HENS AND pullets are exceptionally good. Yellow legs, good barring, priced reasonably. If you want chickens for breeding write us. Moore Bros., R. 2, Cedarvale, Kan.

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LIGHT BRAHMA COCKERELS, ONE DOLLAR each. Denzie Bentler, Elk City, Okla.

LT. BRAHMAS—FINE LARGE COCKERELS and females, \$2.00, \$2.50, \$3.00, \$5.00. Guarantee satisfaction. Mrs. F. O'Daniel, Westmoreland, Kan.

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SINGLE COMB BROWN LEGHORN COCKERELS \$75. Ira Free, Corning, Kan.

ROSE COMB BROWN LEGHORNS \$1.00 and upwards. Otto Borth, Plains, Kan.

R. C. BROWN LEGHORN COCKERELS 75 cts. C. E. Rosa, Paola, Kan., R. R. No. 5.

S. C. W. LEGHORN COCKERELS: PEN stock; \$1.00. Chas. McFadden, Morland, Kan.

A FEW ROSE COMB WHITE LEGHORN cockerels 50 cts. Mrs. John Hill, Virland, Kan.

LARGE STRAIN, SINGLE COMB WHITE Leghorn cockerels \$1 each. Grant Keith, Duquoin, Kansas.

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150 PRIZE WINNING SINGLE COMB Brown Leghorn cockerels 75 cts. each. Chas. Dorr, Osage City, Kan.

PURE BARRON STRAIN ENGLISH S. C. White Leghorn cockerels \$1.50 and \$2.00. C. C. Shenkel, Geneseo, Kan.

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PURE BRED ROSE COMB WHITE LEGHORN cockerels, early hatched, \$1.00 and \$2.00. Henry Dieckhoff, Kensington, Kan., R. R. No. 3.

FOR SALE: 500 SINGLE COMB WHITE Leghorn hens and pullets, \$1.00 each. 200 cocks and cockerels same breed, \$1.50 to \$3.00 each. 200 Rhode Island Reds, both combs, male and female, \$1.50 to \$3.00 each. Keystone Poultry Yards, Lincoln, Nebraska.

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35 CHOICE COLUMBIAN WYANDOTTE chicks. J. J. Pauls, Hillsboro, Kan.

BUFF WYANDOTTE HENS, COCKERELS, pullets. Geo. Kittell, Newton, Kan.

WHITE WYANDOTTE COCKERELS, hens cheap. H. O. Collins, Fontana, Kan.

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PARTRIDGE WYANDOTTES—WRITE FOR prices. Satisfaction guaranteed. R. P. Hockaday, El Dorado, Kan.

WHITE WYANDOTTE HENS ONE YEAR old thru the molt ready to lay. Fine stock, \$1.00 each. Mrs. Geo. Downie, Lyndon, Kan.

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PURE BOURBON RED TURKEYS, HENS \$3. Toms \$4. G. C. Rhorer, Lewis, Kan.

MAMMOTH BRONZE TURKEYS, TOMS and hens. J. Marksman, Frankfort, Kan.

BOURBON RED TURKEYS, TOMS \$4. Hens \$2.50. Mrs. V. W. Carson, Broughton, Kan.

NARRAGANSETT TURKEYS, HENS \$2.50 and \$3.00. Mrs. Chas. Mitchell, Neodesha, Kan., R. No. 3.

PURE BOURBON RED TURKEYS, STANDARD markings, prize winners. Young and old stock, \$2.50 to \$5.00. Royal Single Comb Rhode Island Reds, standard shape and color, both sexes, \$1.00 each. Rebecca Wood-dall, Fall River, Kan.

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FINE, BLACK LANGSHAN COCKERELS. Burt Marcy, Fall River, Kan.

FINE BLACK LANGSHAN COCKERELS \$1 each. Alice Watkins, Brewster, Kan.

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RUNNER DUCKS, CUP WINNERS. BURT White, Burlingame, Kan.

PURE WHITE INDIAN RUNNER DRAKES \$1.00. Chas. McFadden, Morland, Kan.

FAWN AND WHITE RUNNERS, DUCKS \$1.00 each. Guy McAllister, Lyons, Kan.

ENGLISH PENCILLED RUNNERS, DUCKS \$1.00, drakes 75 cts. J. W. Warner, La Crosse, Kan.

PURE BRED ENGLISH PENCILLED RUNNER drakes for sale. Veribist Poultry Yards, Mulvane, Kan.

RUNNERS—BEAUTIFUL, PURE WHITE and Fawn and White, prize winning, good laying strain. \$1.00. Mrs. Ben Miller, Newton, Kan.

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CHOICE BUFF ORPINGTON COCKERELS. C. A. Bassett, Burlingame, Kansas.

S. C. B. ORPINGTON COCKERELS \$1.00, \$1.50. Mrs. L. Sweeney, R. 7, Manhattan, Kan.

WHITE ORPINGTON COCKERELS FOR sale, \$1.50 and \$2.00. L. S. Dack, Andover, Kan.

FINE WHITE ORPINGTON COCKERELS \$5. Imported Carey stock. Mrs. Helen Lill, Mt. Hope, Kan.

WHITE ORPINGTON COCKERELS, KELLERSTRASS strain; 2 for \$5. Mrs. Everett Nichols, Kinsley, Kan.

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BUFF ORPINGTONS A SPECIALTY. Eggs and stock for sale from prize winners. O. H. Landrith, Greensburg, Kan.

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MINORCAS—SINGLE COMB WHITE Minorca Cockerels, purebred, true to type, stylish, \$4.00 each. Arthur Goodwyn Minneapolis, Kan.

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BUTTERCUP POULTRY YARDS—SICILIAN Buttercup cockerels for exhibition or utility. W. C. West, R. 5, Topeka, Kan.

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ANCONA COCKERELS FOR SALE. O. L. Burnett, Council Grove, Kan.

ANCONA COCKERELS FOR SALE CHEAP. G. W. Skinner, Baxter Springs, Kan.

COCHINS.

FINE PARTRIDGE COCHINS FOR SALE. Address Julia Bogard, McCune, Kan.

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HIGH SCORING BLACK LANGSHANS AND White Holland turkeys for sale. Mrs. U. G. Mason, Keytesville, Mo.

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BARRED AND WHITE PLYMOUTH ROCK and White Orpington cockerels. Runner ducks, Fawn and White, and White. Half price. T. L. Byler, R. 3, Newton, Kan.

BREEDERS CHEAP IN ALL VARIETIES Leghorns, Wyandottes, Rhode Island Reds, Orpingtons, Langshans, Cochins, Brahmas, Rocks, Bantams, ducks, geese, turkey and Pearl and White guineas. Bare Poultry Co., Box 319, Hampton, Iowa.

POULTRY WANTED.

TURKEYS, CHICKENS, GUINEAS WANTED. Coops loaned free. The Copes, Topeka, Kansas.

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SHROPSHIRE RAMS FOR SALE. THOMAS McRae, Herlington, Kan.

PURE BRED JERSEY CATTLE FOR SALE. Ideal Stock Farm, Concordia, Kan.

FOR SALE OR TRADE—O. I. C. MALE hog, 8 mo. Everett Nichols, Kinsley, Kan.

REGISTERED HOLSTEIN CALVES, ONE bred heifer 3 year. W. G. Wright, Overbrook, Kan.

FOR SALE—SHORTHORNS, 17 FEMALES, 2 bulls, Sultans, Brawiths, Victorias, etc. Louis Bauer, Sterling, Kan., Route No. 2, R. R. stations either Nickerson or Wherry.

2-3 MONTHS JERSEY BULLS FROM 40 pound dams \$25 each. D. A. Kramer, Washington, Kan.

JERSEY BULLS, POLAND BOARS, PIGS in pairs. Prices reasonable. Lupton Stock Farm, Lawrence, Kan.

WANTED—CATTLE TO WINTER, PLENTY of good feed, water, shed and pasture. A. L. Taylor, Hoxie, Kan.

TEN HIGH GRADE HOLSTEIN HEIFERS; some heavy springers. Sheets Bros., R. R. 8, Topeka. Auburn telephone.

HIGH GRADE HOLSTEIN CALVES, either sex, 3-4 weeks old, \$17 each, crated. Burr Oak Farm, Whitewater, Wis.

IMMUNED DUROCS, PLENTY OF spring boars and gilts. Best of breeding. Stock guaranteed. D. H. Axtell, Sawyer, Kan.

100 HOLSTEIN GRADE HEIFERS AND cows. Splendid cattle at right price. Must be seen to appreciate. In writing state ages and number wanted. Paul E. Johnson, South St. Paul, Minn.

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SCOTCH COLLIES, WESTERN HOME Kennels, St. John, Kan.

COLLIE PUPPIES, HANDSOME, INTELLIGENT. \$5. Frank Barrington, Sedan, Kan.

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APPLE TREES 4 CTS. PEACH TREES 5 cts. Salesmen wanted in Mo., Ark. and Kansas. Home Nursery Co., Elkins, Ark.

SWEET CLOVER—PURE UNHULLED white blossom 18c lb. delivered. Sudan grass seed 12c lb. delivered. Large quantities less. Claycomb Seed Store, Guymon, Okla.

PLANTERS TREES—NEW WAY. SAVES more than half. Pay after you see trees. You the judge. Fall special price list mailed free. Planters Nursery, Box D, Winfield, Kansas.

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FOR SALE—HEDGE POSTS; CARLOTS. H. W. Porth, Winfield, Kan.

\$150 BUYS A SMALL GASOLINE TRACTOR. S. B. Vaughan, Newton, Kansas.

FOR SALE—25 POUND DAVIS ACETYLENE plant. \$25. Edward King, 2700 Michigan Ave., Highland Park, Topeka, Kan.

FOR SALE—FURNISHINGS OF A SIXTEEN room boarding house located close in and doing a fine business. In Wichita, Kan. \$600.00 cash and terms on balance. Mrs. L. E. Murr, 216 N. Market St., Wichita, Kan.

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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NEW \$12,000.00 STOCK OF HARDWARE, implements (light stock) furniture and undertaking for sale. Would split up stock. Would trade for land of equal value, if land is priced right. W. care Mail and Breeze.

FREE FOR SIX MONTHS—MY SPECIAL offer to introduce my magazine "Investing For Profit." It is worth \$10 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.

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FURS AND HIDES WANTED. SHIP TO the house that is the friend of all shippers, and receive full prices and liberal grading. Satisfied shippers our aim. Once a shipper always a shipper. Send for special price list at once. Also ask for catalogue of custom tanning and manufacturing. Obsman & Sons Co., Box 748, Cedar Rapids, Iowa.

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I NEED A GOOD AUTO; WILL TRADE you good land. G. N. Kysar, Goodland, Kan.

FARM NEAR LARNED SUITED FOR dairying. Frank Dodge, Larned, Kan., Route 2.

TWO FARMS IN ELK CO. TO TRADE FOR wheat land in central Kan. Box 77, Argonia, Kan.

FOR SALE OR TRADE. 22½ ACRES joining Abilene, and 5 lots. C. Sidesinger, Abilene, Kan.

WANT A HOME? FINE 320 ACRE HOME—stead reinvestment for sale. Box 5, Goodland, Kansas.

TWO IMPROVED FARMS AT AUCTION Dec. 4. Write for particulars. L. McGilvrey, Burbank, Okla.

480 A. CHOICE ALFALFA AND WHEAT land, Saline Co. \$32 a. Good improvements. Fred A. Reed, Salina, Kansas.

320 ACRE FARM, FOUR MILES TO STATION. Improvements cost six thousand. Price \$12,800. Fred A. Reed, Salina, Kan.

FOR SALE—GOOD WHEAT, ALFALFA and stock farms in Elk county. For description write owner, W. R. Glasscock, Moline, Kan.

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

FOR SALE—805 ACRES CATTLE RANCH. \$12.50 per acre. Good improvements. Living water. Four miles to town. S. H. Stewart, Healy, Kan.

FREE 320 ACRE COLORADO HOME—steads almost gone. Last chance for free farms. Fine water. Rich loam soil. Write Smoke & Ray, Box 595, Pueblo, Colorado.

FOR TRADE FOR 1 QUARTER WESTERN Kan. land. Three room house and three acres land, suitable for chicken ranch, located in Holsington, Kan. Box 115, Basine, Kan.

BARGAIN: 70 A. FRUIT, TRUCK AND general farm near Jacksonville, Texas, and 5 lots in seaport town on Texas coast, all for \$3700. F. L. Gilbert, owner, Jacksonville, Texas.

FARMS AND RANCHES \$4.50 UP. STOCK, dairying and farming. Corn, maize, kafir, sorghum, wheat, etc., raised. Good climate. Schools and churches. Write for particulars. Amistad Realty Co., Amistad, Union Co., N. Mexico.

240 ACRES, FENCED, 140 CULTIVATED, good soil, all tillable, underflow suitable for irrigation, no buildings, near Buckner Creek, three miles west Jetmore, \$20.00, cash only. Write Arthur Gehrig, Jetmore, Kansas.

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. J. J. Bricker, 46 Northern Pac. Ry., St. Paul, Minn.

FOR SALE—80 ACRES 1 MILE FROM State Agricultural college, ¼ mile from town. Excellent home for old couple retiring, for small dairy or to send children to college. Part alfalfa land. Improved. \$4,500.00. Terms. C. H. Thompson, Stillwater, Oklahoma.

NORTHERN MINNESOTA—CHEAP, FERTILE land; easy terms. Excellent climate, sweet water, good markets. Grasses grow luxuriantly. The ideal cattle country. Write for information. Northern Minnesota Development Association, Mail & Breeze Department, Duluth, Minn.

40, 80 OR 160 ACRES, GOOD HEAVY SOIL in well-settled part of Todd county, Minn.; good roads, schools and churches; price \$15 to \$20 per acre; terms, \$1 per acre cash, balance \$1 per acre a year; 5,000 acres to select from. Schwab Bros., 1028 Plymouth Bldg., Minneapolis, Minn.

FOR SALE—160 ACRES, CADD0 COUNTY, Oklahoma, 3¼ miles northwest of Fort Cobb; 110 acres in cultivation; fifty acres pasture; all fenced; pasture hog tight; two houses, one four rooms, other two; never failing well soft water, windmill; cement cave; two chicken houses; barn; fine young bearing orchard and vineyard; school house on farm. Price \$30 per acre; mortgage \$1800 at 5 per cent, due 1917. Abstract title; taxes and interest paid to date. Terms cash. R. Helmhaugh, owner, Sedan, Kan.

FOR SALE OR TRADE

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5 ROOM HOUSE IN SHAWNEE, OKLA., for draft horse and jack. Henry Stark, Konawa, Okla.

FOR SALE OR TRADE—POWER BLACKsmith outfit, good location, good business. What have you to trade? Address Box 235, Wakeeney, Kan.

FOR SALE, RENT OR TRADE. BEST location in Kansas for breeding stable. Dwelling and barn \$1,500.00. George Monroe, Wheaton, Kan.

BEES AND HONEY

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FOR SALE. NEW HONEY. SAMPLE AND prices on application. Glen C. Voorhees, Tranquillity, Calif.

PURE HONEY—60 POUND CAN, \$6.25; two 60-pound cans, \$12. Freight prepaid to any station in Kansas. Sample, 10 cents. H. L. Parks, Wichita, Kan.

HONEY—FANCY WHITE EXTRACTED. 2 50-lb. cans \$11.00. Light amber \$10.00. Amber \$8.50. Single cans 25 cents extra. Bert W. Hopper, Rocky Ford, Colo.

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WANTED—TO HEAR FROM OWNER OF good farm or unimproved land for sale. H. L. Downing, 111 Palace Bldg., Minneapolis, Minn.

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WANT ALL KINDS OF EAST COLO. AND western Kansas lands, city properties, listed that will consider exchange. Give full particulars first letter. Progressive Realty Co., Greeley, Colo.

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

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SEND FOR FREE BOOKLET, "ALL ABOUT Patents and Their Cost." Shepherd & Campbell, Patent Attorneys, 500C Victor Bldg., Washington, D. C.

PATENT WHAT YOU INVENT. IT MAY be valuable. Write me. No attorney's fee until patent is allowed. Estab. 1882. "Inventor's Guide" free. Franklin H. Hough, 532 Loan & Trust 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.

IDEAS WANTED—MANUFACTURERS ARE writing for patents procured through me. Three books with list hundreds of inventions wanted sent free. I help you market your invention. Advice free. R. B. Owen, 34 Owen Bldg., Washington, D. C.

WRITE FOR LIST OF PATENT BUYERS who wish to purchase patents and what to invent with list of inventions wanted. \$1,000,000 in prizes offered for inventions. Send sketch for free opinion as to patentability. Write for our Four Guide Books sent free upon request. Patents advertised free. We assist inventors to sell their inventions. Victor J. Evans & Co., 825 Ninth, Washington, D. C.

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CHRISTIAN HELPERS AND FARMER tenants wanted. No capital required. Jno. Marriage, Mullinville, Kan.

WANTED—EXPERIENCED GARDENER with family to garden on share; foreigner preferred. Write C. A. Shinn, Concordia, Kan.

BE A DETECTIVE. EARN \$150 TO \$300 per month; travel over the world. Write Supt. Ludwig, 401 Westover Bldg., Kansas City, Mo.

HOUSEKEEPER WANTED. COMPETENT woman for small country home in northeastern Kansas. Address Householder, care Mail and Breeze.

I CONDUCTED GOVERNMENT EXAMINATIONS. Can help you secure railway mail or other government positions. Trial examination free. Ozment, 38R, St. Louis.

FIREMEN AND BRAKEMEN; \$100 MONTHLY. Experience unnecessary. Hundreds needed by the best railroads everywhere. Particulars free. 796 Railway Bureau, East St. Louis, Ill.

MOTORMEN—CONDUCTORS; \$80 MONTHLY. Interurbans everywhere. Experience unnecessary; qualify now; state age. Booklet free. Electric Dept., 812 Syndicate Trust, St. Louis, Mo.

U. S. GOVERNMENT WANTS CLERKS. Men—women 18 or over. \$70.00 month. Vacations. List of positions now obtainable free. Write immediately. Franklin Institute, Dept. D 51, Rochester, N. Y.

WANTED FARMERS—MEN AND WOMEN everywhere. U. S. government jobs. \$75 month. Short hours. Vacations. Rapid advancement. Steady work. Many appointments coming. Common education sufficient. No pull required. Write immediately for list of positions now obtainable. Franklin Institute, Dept. D 51, Rochester, N. Y.

AGENTS

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GET AGENCY NOW LOWEST PRICED sile in the world. Successfully used six years. Liberal commissions. Booklet. Bonita Farm, Raymore, Mo.

WANTED—AGENTS TO SELL WINFIELD Reliable Trees. Pure bred—True to name. Growers of a general stock. Will pay a liberal commission. Cooper and Rogers, Winfield, Kan.

AGENTS—HERE'S THE BEST LINE OF food flavors, perfumes, soaps, toilet preparations, etc., ever offered. No capital needed. Complete outfits furnished free to workers. Write today for full particulars. American Products Co., 3485 Third St., Cincinnati, O.

MALE HELP WANTED

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GOVERNMENT FARMERS WANTED. \$60 to \$125 monthly. Free living quarters. Write Ozment, 38R, St. Louis.

MOLER BARBER COLLEGE. MEN WANTED. Special fall rates. Write for free catalogue. 514 Main St., Kansas City, Mo.

WISH TO HEAR AT ONCE FROM RELIABLE single man capable of managing large ranch successfully. Mrs. Ward, Box 336, Valley, Neb.

SALESMEN WANTED FOR FRUIT AND ornamental trees. Experience unnecessary. Outfit free. Pay weekly. The Lawrence Nurseries, Lawrence, Kan.

WE GUARANTEE YOU A GOOD POSITION paying from \$15 to \$25 per week by taking a course in Stuhl's Institute of Watchmaking and Engraving. 207 Altman Bldg., Kansas City, Mo.

SALEMEN FOR HIGH-CLASS TOBACCO factory; experience unnecessary. Good pay and promotion for steady workers. Complete instructions sent you. Piedmont Tobacco Co., Box Q-36, Danville, Va.

WANTED—IMMEDIATELY. MEN, 20-40 years old, for electric railway motormen and conductors. All parts U. S.; \$60 to \$100 monthly. Experience unnecessary. Write for application blank. National Railway Training Association, Dept. 49, Kansas City, Mo.

CREAM WANTED

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

CREAM WANTED—THE INDEPENDENT Creamery Company of Council Grove, Kansas, buys direct from the farmer. Write for particulars.

MISCELLANEOUS

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4¢ cents a word each insertion. No display type or illustrations admitted.

WANTED STOCK TO WINTER. OTTO Borth, Plains, Kan.

FOR SALE — GUARANTEED HOUNDS. Send 2 cent stamp for prices. Rash Bros., Centerville, Kan.

WANTED—WHITE ESQUIMO-SPITZ PUP-les about six weeks old. Brockway's Kennels, Baldwin, Kan.

AMERICAN TYPEWRITING AND MAGAZINE Agency, Waverly, Mo. Free catalog, Xmas clubbing rates.

A USABLE SHORT FORM DEED BLANK with twenty legal instructions on back, twenty-five cents less to record. Remit two cents. E. W. Alberty, Pittsburg, Kansas.

CHOICE SELECTED PECANS AT 15¢ PER pound parcel post, up to 15 pounds. 15 to 100 pound lots at 12½¢ by freight, securely sacked. E. J. Dickerson, Tecumseh, Okla.

CHRISTMAS MONEY—WE BUY YOUR old copper, brass, rubber boots and shoes, rags, auto tires and tubes, anything in the junk line. Write for prices. Buckley Bros., Lyons, Kan.

AN EXPERIENCED, HONEST, GOOD working married man would like a stocked farm to run with best of reference, on salary. Add. E. J. Smith, La Junta, Colo., R. F. D. No. 2.

LUMBER—WE SHIP TO CONSUMERS AT wholesale. Send us your itemized bills for estimate. Lowest prices on Bois D' Arc cedar and oak posts. Telephone poles and piling. McKee Lumber Co. of Kansas, Emporia, Kansas.

BIG BARGAIN FOR SHORT TIME ONLY. Send only 10 cents and receive the greatest farm and home magazine in the Middle West for six months. Special departments for dairy, poultry and home. Address Valley Farmer, Arthur Capper, publisher, Dept. W. A. 10, Topeka, Kansas.

Publisher's News Notes

The Hog Joy Oiler.

It is even more important during the cold season than in the summer that provision be made for ridding hogs of lice for the reason that they are likely to become more lousy during the winter because they are confined. There are various methods of ridding hogs of lice but there isn't any better method than the hog oiler which is becoming so popular. A number of firms are making hog oilers. One of the best certainly is that made by the Hog Joy System. If you do not already know about this hog oiler we suggest that you write to the Hog Joy System, Dept. 57, Springfield, Ill.—Advertisement.

Fifty Dollars an Ear for Corn

Kansas has produced a great yield of corn this year and the quality is good. Although no National corn show will be held in 1915 growers from this state have an opportunity to compete for better cash prizes than ever have been offered. The management of the Interstate Corn Show to be held at Whitesville, Mo., December 6-9, 1915, is offering more than \$1,000 in cash prizes for corn; \$500 in one special class for the best 10 ears and \$100 for the best single ear. Competition is open to the world. If you have corn good enough to show against the best grown in the corn belt write to Len. A. Saunders, Bolekow, Mo., for a catalog. Entry in the show is free.

Some Nice Prizes Here, Too

Club boys and girls in all parts of Kansas are planning to enter products grown by themselves in the exhibit in connection with farm and home week at the Kansas State Agricultural college, December 27 to January 1. Liberal prizes will be paid by the Kansas Bankers' association, according to announcement by Edward C. Johnson, dean of the division of extension.

With the exception of wheat, apples, pumpkins, and squash, exhibits will be open only to bona fide club members.

Exhibits must reach Manhattan not later than Monday evening, December 27. Records and stories required in the contests should be sent in to Otis E. Hall, extension division of the college on or before December 15. Exhibits may be sent prepaid, by parcel post, or express when it is impossible to bring them in person.

Corn should be wrapped in paper, each ear separately. Care should be used in packing fruit jars. Use of a small box or pail is suggested.

As a prize to the boy whose 10 ear exhibit of corn wins sweepstakes, \$5 will be given by the State Bankers' association, and as a recognition of honor the Kansas Crop Improvement association will have this boy's name neatly engraved on the attractive silver loving cup which was purchased by this organization at a cost of \$100.

Each corn exhibit must consist of 10 ears. Prizes ranging from \$1 to \$5 or \$10 are offered. A special prize of \$5 is offered as a sweepstakes reward to the boy who exhibits the best 10 heads of grain sorghums.

The wheat contest is open to any boy or girl in Kansas between the ages of 10 and 18 years. In this instance the exhibit may be purchased, borrowed, or grown by the exhibitor, but it must come from the exhibitor's home county.

A Christmas Gift Worth While

You can very easily and very properly solve the what-to-give problem by remembering your friends at Christmas time with a free year's subscription to Mail and Breeze.

Hundreds of our readers every year have found this the best \$1.00 gift that they could find anywhere. One Dollar will pay for a whole year's subscription to this big weekly—a gift your friends will appreciate and a gift that will remind them of you every issue from one Christmas to the next.

Send us a list of your friends to whom you desire us to send the Mail and Breeze for one year. Send the regular subscription price of \$1.00 for each name and we will do the rest. It is even unnecessary for you to tell your friends about your gift unless you desire to do so, as we will mail to each of your friends a Neat Christmas Announcement carrying this message.

With the compliments and best wishes of.....you will receive the Mail and Breeze for one year. We hope that you will find this big weekly as valuable to you as it has been to your friend, and we trust that each copy you receive will be a pleasant reminder of the friend who sends you this Christmas remembrance. The Mail and Breeze, Topeka, Kansas.

One of these announcements will be mailed to each of your friends so as to reach them on Christmas Eve or Christmas morning. Send in one or more names at once, with remittance at the rate of \$1.00 each, so that we can have plenty of time to enter the new subscription, to start with the first issue of the new year and time to mail the announcement to your friends. You may be sure that this is a gift which will be appreciated—one that will be giving valuable service after most other gifts are forgotten. Address your orders to the Mail and Breeze Gift Dept., Topeka, Kan.

Sour milk is more relished by fowls than sweet milk. Sweet skim milk is best for mixing mash. The birds will drink more milk if given either uniformly sour or uniformly sweet than when given sweet one day and sour the next. When the milk is separated after souring, use the whey to wet the mash.

In estimating the cost of keeping poultry it is best to allow one bushel of grain a year for each laying hen.

BIG BARGAINS IN REAL ESTATE

Dealers whose advertisements appear in this paper are thoroughly reliable and the many bargains are worthy of your consideration

Special Notice All advertising copy discontinued or 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.

WRITE PAPES, Mulvane, Kan., for list of dairy farms near big milk condensary.

IMP. 40, all cult.; lays good, \$3200; 3 1/2 mi. out. Decker & Booth, Valley Falls, Kan.

160 A. Hamilton Co. raw grass land, \$4.50 a. No trade. Walter & Patton, Syracuse, Kan.

IMP. FARMS, alfalfa, corn and wheat lands \$50 up. Mott & Kohler, Herington, Kan.

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

480 A. ALL GRASS. Every acre can be cult. \$12.50 per acre. Box 215, German Colonization Co., Plains, Kansas.

207 ACRES, all grass. Abundance spring water; 4 1/2 miles of two railroads; \$29 an acre. J. B. Fields, Alma, Kan.

FOR BUSINESS, homes or farms at Baldwin, Kan. seat of Baker University, write D. E. Houston & Co. Some trades.

IMPROVED Jewell Co. 240 acre farm close to school. Water good. Price \$35 per acre. J. H. King, Cawker City, Kan.

FINE creek bottom farm, 3 miles town, near school; highly improved, \$65 per acre. Write for list. T. B. Godsey, Emporia, Kan.

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

WHEAT, OATS, CORN, ALFALFA lands. Famous Sumner County, Kansas. 1/2 wheat with farms. H. H. Stewart, Wellington, Kan.

1/2 SEC. 200 cult., 20 alfalfa, bal. pasture, well improved, spring and well. \$18,000. Terms. Hill & Murphy, Holsington, Kan.

160 A. FARM, 2 mi. good town, Ness Co., Kan., all fine level land; 120 a. cult., sown to wheat. As nice a quarter section as in Western Kansas. Raised 60 bushels of corn to acre this year. Splendidly located; \$4,000; terms. 160 a. joining, 80 a. in wheat, \$4,800. Earl Hoffer, Utica, Kan.

BIG SNAP, 320 ACRES. \$4000, half cash; others on good terms; improved and unimproved. If you are a homeseeker or investor it will pay you to see our bargains before locating. Advertising matter free. Buxton & Rutherford, Utica, Ness Co., Kan.

FOR LAND BARGAINS write or call on Towanda Realty Co., Towanda, Kan.

160 A. improved, good upland farm, 4 miles out; \$55.00 a. Easy terms. J. M. Conlan, St. Marys, Kansas.

FOR REAL ESTATE BARGAINS in the great Neosho Valley, see or write S. M. Bell, Americus, Kansas.

1,440 ACRE RANCH, improved, \$10 per acre, terms. 890 acre ranch near city, \$15. Cliff Tomson, Syracuse, Kan.

NORTHEAST KAN. Good improved farms in bluegrass section, \$60 to \$100. Send for list. N. Compton, Valley Falls, Kan.

320 ACRES FOR SALE. 260 acres wheat, balance pasture; near town and school. For the price and terms write H. M. Snare, Coldwater, Kansas.

160 A. 2 mi. from R. R. town; 80 a. corn, 10 a. alfalfa, 15 a. hog pasture, bal. pasture and meadow; 6 room house, good barn; well and cistern. Very cheap, if sold soon. \$45.00 per acre. Rosenquist & Renstrom, Osage City, Kan.

TREGO CO. 160 acres 8 miles from Ransom, 80 acres in cultivation, 80 acres fine grass; 40 acres more tillable, on main road and telephone line. Don't wait to write, come and see this. Price \$1,800.00. V. E. West, Ransom, Kansas.

YOUR CHANCE. 160 acres, 4 mi. from Peabody. All extra good land under plow; good 7 room house. Good barn 40x60; scales, granary, etc. Nice shade. School 1 mi. Bargain for short time at \$70 per a.; time on \$7000. Mollohan Land Co., Peabody, Kan.

7000 ACRES TO SELL IN SMALL TRACTS 7000 acres, level valley land, partly improved; one body, Barton Co., Kan. Between Great Bend and Holsington, just being put on the market. Will subdivide and sell on liberal terms. Cramer & Stout, Wichita, Kansas.

160 ACRES, 5 miles of Ottawa, every acre nice, smooth, tillable land; 60 acres in fine blue grass, timothy and clover pasture; 14 acres alfalfa; 25 acres timothy and clover meadow, good 1 1/2 story, 9 room house good barn, chicken house, hog house, corn crib for 5000 bushels of corn, fenced hog tight. Price \$75 per acre. \$3,000 cash, remainder long time at 6%. Casida & Clark, Ottawa, Kansas.

BEST FARMING AND PASTURE LAND in southern Kansas, prices from \$20 to \$50 per acre. Write for list. Greene, Longton, Kansas.

80 A. WELL IMPROVED, \$55 A. Well located town and school. \$12.00 down. 30 a. imp. Snap, \$40.00 acre; terms. F. H. Atchison, Waverly, Kan.

WE OWN 13,000 ACRES IN FERTILE Pawnee valley, smooth as a floor; best alfalfa and wheat land on earth; five sets of improvements; shallow water; will sell 80 acres or more. Frisell & Ely, Larned, Kansas.

800 ACRE TRACT NICE WHEAT LAND. \$4000, Terms. J. A. Jackson, Syracuse, Kan.

160 A., 3 1/2 MI. OUT. IMP. FAIR. 130 cult., 30 grass, good water, fenced. Second bottom. \$10,500. Mtg. \$4,000, 6%. Ed A. Davis, Minneapolis, Kan.

2-Rare Bargains-2 Choice level 160 a. farm, \$4 a. cash. Also well imp. alfalfa farm 168 a. Perfect title. Immediate possession. \$50 a. Terms. Western Real Estate Exchange Co., Syracuse, Ks.

Splendid Stock Farm, Butler Co. 436 acres, 1 mile fine town, 170 bottom. 80 alfalfa, 240 pasture. Springs, creek, timber, 2 sets new improvements. Big money maker. \$60. V. A. Osburn, El Dorado, Kan.

640 Acres 240 acres cult., bal. 240 hay and blue grass pasture. 90 acres tillable, good location. Good improvements, two miles of Waverly. \$50 acre; carry \$20,000 long time 5%. W. H. Lathrom, Waverly, Kan.

GREENWOOD COUNTY 80 acre farm, \$45 a. 160 a. farm, \$55 a. 1520 a. limestone pasture \$22.50 a. 2720 a. limestone pasture \$25.00 per a. All bargains; near town. J. W. Kenner, Eureka, Kansas.

80 Acres Only \$750 South of Wichita near Wellington; all good upland soil; good bldgs.; fruit; alfalfa; only \$3,000; \$750 cash, \$750 March 1st. R. M. Mills, Schweitzer Bldg., Wichita, Kan.

Make Big Money With Cows 64 a., joining city, well improved, fitted up for dairying, all tillable, all in fine clover and blue grass. Cheap alfalfa hay on neighboring farms. A big money maker. Fine markets, in gas, oil, coal and zinc towns. Owner quitting because of age offers this for \$5000, on easy terms. Write D. H. Wallingford, Mound Valley, Kan.

A Few Bargains 4000 acre ranch for sale, Western Kansas, \$6 per acre. 160 acres, unimproved bottom land Trego Co., \$10 per acre. 160 acres Ellis Co., small improvements, \$1800; good terms. 160 acres Gove Co., \$700 cash. 160 acres bottom land, improved, 1 mile Ellis, \$60 acre, small payment, long time on balance. 320 acres, improved, near Oakley, 220 acres wheat, 1/2 goes to purchaser, price \$8000. 80 acres, well improved, near Salina, \$8000. Owner will take 1/4 in trade for the above two tracts and give good terms on balance. Want clear residence, suburban home or grocery stock. Write us what you want. Lands bought, sold and exchanged. Western Real Estate Co., Ellis, Kan.

FOR SALE OR EXCHANGE

LAND and mdse for sale or exchange. Co-operative Realty Co., Humansville, Mo.

LANDS TO TRADE for general merchandise. J. M. Denning, Park, Kansas.

TRADES EVERYWHERE. Exchange book free. Bersie Agency, El Dorado, Kan.

LANDS for sale and exchange for western lands. John Goff, Willow Springs, Mo.

TO EXCHANGE: 970 a. stock and grain farm in Eastern Kansas. Box 275, Iola, Kan.

240 ACRES all bottom land, well imp. to trade. Youngs Realty Co., Howard, Kan.

E. KANSAS farms in Catholic settlements. Exc. Frank Kratzberg, Jr., Greeley, Kan.

IMP. FARMS, some in Catholic settlement. Exc. Severn & Hattick, Williamsburg, Kan.

BEST exchange book in U. S. 1,000 nonest trades. Graham Bros., Eldorado, Kan.

BIGHAM & OCHILTREE sell and trade best corn, alfalfa, wheat land in U. S. Write for list. 116 N. 8th, St. Joseph, Mo.

80 ACRES, mile Garnett, Kan. Well improved; gas. Price \$8,000. Exchanges a specialty. T. M. Holcomb, Garnett, Kan.

FOR SALE OR TRADE: 160 a., all tillable, good location, living water; good improvements. Price \$45 an acre. Prefer N. E. Kansas. A. A. Murray, Westmoreland, Kan.

FINE ALFALFA, wheat, corn and pasture land for sale or trade, cheap. Write L. S. Hoover, Eureka, Kan.

THREE HIGHLY IMPROVED alfalfa and grain farms, eastern Kansas; encumbered one-third value. Want cash or clear property. Nathan Tate, Howard, Kansas.

IMPROVED and unimproved farms and ranches for sale or trade. Send for list. Bader & Webster, Junction City, Kan.

TO EXCHANGE QUICK for mdse. General stock preferred. 720 a. of all smooth, unimproved land located in Lane Co., Kan. No better soil in the state. Approximate value \$21 per a. I have all kinds of wheat and alfalfa land for sale. Address C. F. Edwards, Ness City, Kansas.

CHASE COUNTY STOCK RANCH

640 acres 2 miles from shipping point. 100 acres best creek bottom, 75 acres alfalfa, timber, creek. 540 acres best bluestem pasture, running water, splendid improvements. No overflow, no gumbo, best combination in the county. Price \$25,000.00, liberal terms. J. E. Bocook & Son, Cottonwood Falls, Kansas.

North East Jewell Co.

Banner corn and alfalfa county of the state, and priced from \$35 to \$75 per acre. No better corn or alfalfa producing can be found anywhere. 160 acres good rich soil, 120 in cult., bal. alfalfa and meadow. \$8000; \$3250 cash, bal. time. Other bargains, from 20 to 640 acres in size. For further information and lists write Wm. E. Dannefer, Lovewell, Kan.

LIVE WIRE LAND BARGAINS

240 a. 3 mi. of South Haven, Sumner Co., Kan. 190 in cult., bal. pasture; house, large barn, fenced and cross fenced; plenty water, 6 to 12 feet; lays smooth; splendid farm. A bargain. 240 a. Sharon Valley; 200 in cult.; all fine corn and alfalfa land; unlimited water. Highly improved; 4 mi. from town; fine automobile road. Cheap. 1740 a. Lane Co.; 600 in cult.; 300 in wheat; large house, and barn. Never-failing springs. Want eastern land or cheap for cash. Live Wire Realty Co., Wichita, Kan.

Special Bargains

80-acre farm, 1/4 mi. Ottawa, fine location, good soil, suitable buildings, orchard, well, High School district, price right for immediate sale. 80-acre 6 mi. Ottawa, good improvements, fine location, splendid soil, easy terms. Write for full descriptions of these, or any size farm you are interested in. We have a large list and can offer you some of the best bargains in Eastern Kansas. MANSFIELD LAND COMPANY, Ottawa, Kansas.

Two Great Bargains

640 acres, 5 miles from Garden City, in Arkansas Valley; all irrigated from Garden City ditch. Great Eastern Reservoir and large pumping plant, insuring plenty of water at all times. 400 acres good stand of alfalfa. Will raise finest crops of anything adapted to this section. Two sets of improvements. Will sell all or half. Price, \$115 per acre.

Also the best 1500 acre ranch in Western Kansas; 3 miles west of Syracuse, along Arkansas River. 400 acres wild hay, 40 acres alfalfa, 60 acres Sweet clover; fine shelter. Abundant summer and winter pasture. Price \$20.00 per acre or will trade for Illinois land.

Liberal terms will be made on either of these places. Address

Geo. A. Caldwell, Decatur, Illinois

LANE CO.

If you want to buy a farm or ranch, in the coming wheat, corn and stock county of the West, write me as we have bargains from \$8.00 to \$25 per acre. Both improved and unimproved. Let me know what size farm you want and how much you want to pay on the same. W. V. Young, Dighton, Kansas.

Ness County Lands

Good wheat and alfalfa lands at \$15 to \$25 per acre. Fine crops of all kinds in 1914 and better crops in 1915. No better soil in Kansas. Land in adjoining counties on the east \$40 to \$75 per acre. Buy here while land is cheap. Write for price list, county map and literature. No trades. Floyd & Floyd, Ness City, Kansas.

\$25,000 WILL NOW BUY A KANSAS CITY FARM HOME WORTH OVER \$50,000

With \$17,500 stone house of finest type, built seven years ago and good as new; all oak finish; 14 rooms, elegantly papered and modern throughout except light current, but is completely wired and piped. Only one mile north and west of city limits of Kansas City, Kansas. Includes 40 acres of land alone worth more than the price of the place, as acre tracts adjoining property are now selling for \$1,000 each.

This place is owned by two old people who have nothing else and are virtually "property poor." They are anxious to sell it and settle down in a small home and not have to worry over money matters. An ideal home for a retired farmer, livestock man or rancher.

The buyer will deal directly with the owners as I am acting solely in the capacity of an old-time friend of the family. For full particulars address

F. AL CARLSON, Care The Rev. J. V. Carlson, 425 N. 15th St., Kansas City, Kansas

ARKANSAS

WRITE Dowell Land Company for bargains in Arkansas lands. Walnut Ridge, Ark.

40 ACRES, \$650, \$250 down, bal. four years. L. E. Smith, Lockesburg, Arkansas.

ALFALFA, cotton and corn farms. Easy terms. S. P. Thompson, Marked Tree, Ark.

DO YOU WANT to buy, sell or trade land, houses, mdse., anywhere? Owners only no commission. C. D. Haney, Bentonville, Ark.

ARKANSAS LAND. Write us for prices and information about our products. H. H. Houghton & Son, Jonesboro, Arkansas

260 ACRES, well located, well improved farm. Price \$6000; \$1000 cash, terms on balance. F. H. Thompson, Ft. Smith, Ark.

NEW RAILROAD, new town, cheap lands in the Ozarks. For information write C. C. Feemster, Immigrant Agent for the Ozarks Railway Co., Mountain Home, Ark.

WRITE FOR OUR BOOKLET "Bearden, the Eden of Arkansas." No rocks, hills, swamps, or overflows. Very healthy climate. Good lands. J. A. McLeod, Bearden, Ark.

160 ACRES; 25 cultivated; 45 can be; well improved; orchard; good timber; well watered; 1/4 mi. school; 1 1/4 mi. railroad. Price \$750. Free list. W. J. Copp, Calico Rock, Ark.

160 A. MISSOURI FARM, 65 cult.; house, barn, orchard, spring, \$1600. Terms, \$400 down; list free. Ward, Mountain Home, Arkansas.

160 A. black sandy loam, 1/4 in cultivation. Grow corn, wheat, oats, alfalfa, cotton. \$40 acre. Pike and railroad. Polk Real Estate Co., Little Rock, Ark.

WRITE FOR FREE "WARRANTY DEED" of farm bargains, improved, \$4.00 per acre and up. New Home Land Co., Opposite Union Station, Little Rock, Ark.

OZARK COUNTRY HOMES. The Yellville News & Mining Reporter tells about them. Also of Ark. Zinc Field. Correct information weekly, \$1 a year. Get posted before you come. Address, Yellville, Ark.

ARKANSAS-5,000 acres, fine level valley land; any size tract \$6 to \$12 per acre; third cash, bal. 9 yearly payments. Write for literature. Shaeffer Land Company, 641 Reserve Bank Bldg., Kansas City, Mo.

1,000 ACRES in high fertile valley; 300 acres in cultivation. Unlimited stock range. Spring water and railroad through farm. \$15.00 per acre. Will divide. L. P. Coleman, Little Rock, Ark.

180 ACRES; 160 cult. 5 room res. 4 room tenant house; very rich loam. 6 miles of Jonesboro; rock road, R.F.D., phone. One of the best farms in Arkansas for the money. Price \$40.00 per acre. Terms. Southern Land & Loan Co., Jonesboro, Ark.

FARMS as low as \$5 and \$10 per acre, located at the foot hills of the Ozark Mountains, in Independence Co., Ark. Description sent for the asking. Wright Half-acre Real Estate Co., Batesville, Ark.

BOULEVARD APARTMENT KANSAS CITY, MO.

New twelve apartment flat, located in one of the best rental districts in Kansas City. Ten blocks due south of new union station. Yearly income of four thousand seven hundred and fifty dollars. Incumbrance \$15,000, five years 6%. Want to exchange this for good Kansas farm. Price \$50,000. MURRAY & BEITZ, 321 Commerce Bldg., Kansas City, Mo.

Look, Farmers, and Read This

We have a fine 80 acres finely improved, 1 1/4 miles of Butler, Mo., that we wish to sell or would exchange for cheaper lands in western Kansas. If interested write us and we will give you complete description of the 80. Yours for business. J.F. Herrell & Son, Lock Box 279, Butler, Mo.

OKLAHOMA

OKLA. LANDS. 40 to 500 a. tracts. Write for list. Roberts Realty Co., Nowata, Okla.

CHOICE Oklahoma lands at attractive prices. Address C. W. Smith, Kingfisher, Okla.

DON'T BE A RENTER. Get my bargain list quick and see how easy you can own a home. L. Pennington, Oakwood, Okla.

FINE GRAZING AND FARM LANDS for sale in Eastern Oklahoma. Write J. L. Shinnaberger, McAlester, Oklahoma.

350 ACRES. 200 cult., 150 rough timber pasture, imp. Joins station. Good water. \$27.50 a. C. M. Smith, Crowder, Okla.

FOR SALE: 160 acres near Eufaula, Okla., or will rent to stock farmer. Other land for sale. Charles Whitaker, Eufaula, Okla.

FOR SALE—100 acres, 4 1/2 miles from Rush Springs, Okla. 75 acres cultivation, improvements, good water and timber. G. W. Crouch, Maple Hill, Kan.

160 ACRES, 7 miles Texhoma, 60 acres sub-irrigated alfalfa land, 10 an acre. Terms. No trade. Address owner L. E. Job, Texhoma, Okla.

60 A. 3 1/2 MI. McALESTER, city 15,000. 55 a. bottom and second bottom cult. No overflow. Fair imp. \$25 per a. Terms. Southern Realty Co., McAlester, Okla.

WE HAVE 40 FARMS TO SELL; 10 a. to 1000 a. Three ranches, cheap land, 1000 to 20,000 acres. Correspondence solicited. Ref. any bank in Pittsburg County. Crowder R. E. Co., Crowder, Okla.

BUY NOW from owner, best 650 a. farm (will divide) in Oklahoma, 3 mi. from Vinita. Well improved; strong, level land; 3 sets of buildings. W. M. Mercer, Aurora, Ill.

BEST LOCATED improved alfalfa, grain, dairy, hog and poultry quarter. 70 acres alfalfa, fifty spring crop; orchard; running water; mile to Jefferson. Price \$16,000. John Rogers, Jefferson, Okla.

350 ACRE stock farm near railroad station, 110 a. choice bottom, hog fenced, bal. good prairie land; first class improvements; living water, large orchard; \$25 per acre. Write for particulars and list of Oklahoma lands. Major Brothers, Chickasha, Okla.

Oklahoma Land For Sale

Good land in Northeastern Oklahoma; price from \$20.00 to \$35.00 per acre. Write for price list and literature. W. C. Wood, Nowata, Okla.

SEE THIS

160 acres 1 1/2 miles out—good soil and water—fair improvements—120 sowed to wheat, price only \$3500—good terms. Free list and map. Perry DeFord, Oakwood, Okla.

QUICK PROFITS

The big crop, the big war and everything points to another of the booms in land such as have made thousands of men rich. Good land is yet to be had at ten dollars per acre and up in Oklahoma, youngest of the agricultural states. Come and see. Frank Meadows, Hobart, Okla.

MISSOURI

WRITE J. H. Wright, Marshfield, Missouri, for farm lists of good farms.

STOP! LISTEN! 80 a. imp. farm \$885. Views, other farms. McGrath, Mtn. View, Mo.

FOR SALE: 40 a. close in. Well imp. Ideal location; \$1000. Weaver, Seligman, Mo.

BARGAINS in high class farm near Kansas City. Some Exc. L. W. Kircher, Cleveland, Mo.

100 ACRES, improved, near town, \$1500. 40 acres 1 1/2 miles out, improved, \$650.00. W. A. Morris, Mountain View, Mo.

ERAN & WEGNER, real estate, Lockwood, Mo. Write for information, English or German.

POOR MAN'S CHANCE—\$5 down, \$5 monthly buys 40 acres good land; near town; some timber, healthy location. Bargain price \$200. Box 425-O, Carthage, Mo.

A BARGAIN. 320 a. fine grain and stock farm in DeKalb Co., Mo. 32 mi. from St. Joseph. Good improvements. Price \$100 per acre. Address Box 707, Copper Building, Topeka, Kan.

160 ACRES, 1 mi. of good R. R. town near Cape Girardeau, well improved. Produces 75 bu. corn, 5 cuttings alfalfa. Best land in U. S. Climate excellent; health good. \$50 per a. Warren L. Mabrey, Jackson, Mo.

5 AND 10 ACRE TRACTS on county road, close to Branson, on Lake Taneycomo, all in cultivation or part timber. Terms to suit. York Development Co., Branson, Mo.

SOUTHEAST MISSOURI LANDS—If you want to become independent, buy lands in Southeast Missouri, in the rich drained lands that raise anything and raise it certain. All I ask is a chance to "SHOW YOU." Prices are very reasonable. No trades considered. Write for literature and information. F. S. Bice, Oran, Missouri.

NEW YORK

Must Settle Estate

Price lowered from \$20,000 to \$7,500 to get immediate sale. 600 acres; \$2500 worth of saw timber, no question about it. 10 barns, 2 houses, 3 silos; water piped to buildings; raised big crops, can show them. It's a great big bargain, but must go at once. A square deal and remember the lumber and one good crop will pay for it; never has been rented; high state of cultivation; land covered with big grass now. Town, one mile. Hall's Farm Agency, Owego, Tioga Co., N.Y.

COLORADO

SHALLOW water half section eastern Colorado. Imp. \$4000. Easy terms. O. Gale, 108 N. Nevada St., Colorado Springs, Colo.

FOR SALE: Fruit tracts and irrigated farms in Northern Colorado. Write me what you want. A. H. Goddard, Loveland, Colorado.

25 BU. WHEAT LAND from \$5 to \$15 per acre in tracts to suit. Particulars. Pinkham & Davis, Holly, Colorado.

175 HEAD well bred two-year-old feeding steers \$6.50 per 100 pounds, weighed at Deer Trail, Colo. 160 acres fine wheat land \$25.00 an acre, 1/2 cash, bal. 3 years 6%. Harry Maher, Deer Trail, Colo.

FOR SALE: 280 acre farm in irrigated district of Southern Colorado; best of storage reservoir rights in storage reservoir now 6 years old; land within 2 miles of three railroad stations, and 1/4 mile of town of Walsenburg; ideal location for truck farm; market for farm truck unsurpassed in state; alfalfa, small grain, corn and all kinds of vegetables raised and marketed. Whole tract can be leased in small acre tracts for truck gardening for 1/2 crop rent. One man can take care of 7 acres of onions; onion crop this year brought \$200 per a. Mexican beans, planted, without cultivation brought \$60 per acre. Place has house 24x36; onion house 24x36, barn 18x36, sheds 14x48, hog sheds, chicken houses, etc. 20 acres of alfalfa is fenced hog tight for hog pasture; whole place fenced. Price \$30,000; terms, \$12,000 down, balance 5 to 10 years' time. Address W. C. Hunt, Owner, or Fred Vest, Manager, at Walsenburg, Colo.

MINNESOTA

MINNESOTA STOCK FARM. 640 acres good level land, black loam, deep clay subsoil. Every foot plow land. 400 acres under cultivation. 80 a. red clover, 30 a. timber, balance upland hay and pasture. Good 7 room house, 2 large stock barns, 2 wells with windmill, 10,000 bu. granary, blacksmith shop, hog barns, machinery shed. Near school, church and creamery. Only \$35 per acre on terms. W. J. Westfall Land Co., 740 Plymouth Bldg., Minneapolis, Minn.

NEBRASKA

I HAVE FINE ALFALFA FARMS in tracts from 160 acres to 1000 acres, and best corn and wheat land at prices from \$8 to \$30 per acre. These prices will not last long. Write me today. A. T. Cowings, Benkelman, Neb.

MONTANA

GET A HOME in the Famous Yellowstone Valley, Montana. Bumper world's prize winning crops every year. Investigate; write for booklet just issued. The Cartersville Irrigated Land Company, Fremont, Neb.

TEXAS

POSITIVE PROFITS on the Panhandle plains. The best cheap land proposition on earth. Our bumper crops will prove it. Write at once for descriptive folder. J. N. Johnson Land Co., Dalhart, Tex.

SOUTH AMERICA.

YOU CAN GET free ranch in South America by assisting in paying expenses to secure million acre concession. Rich soil, fine climate. Highest references. Map 25c. Box 498, Sawtelle, Calif.

IDAHO

FINE IRRIGATED ORCHARDS. Size to suit. Apples or pines, some young, some bearing. Splendid climate. Big profits. Prices reasonable. Also farms and stock ranches. Get our prices. H. W. Arnold & Co., Boise, Idaho.

WISCONSIN

20,000 ACRES cut-over lands; good soil; plenty rain; prices right and easy terms to settlers. Write us. Brown Brothers Lumber Co., Rhinelander, Wis.

SOUTH DAKOTA

IN SOUTH DAKOTA good farm land adjoining state land which can be grazed for a few cents per acre makes the best proposition open for cattle, sheep and hogs. Cheap production of high priced meat makes big profit. For official information write Dept. of Immigration, Capital ES, Pierre, S. D.

FARM LOANS

FARM AND CITY MORTGAGES a specialty. Write us if you wish to borrow. Perkins & Co., Lawrence, Kan.

FARM LOANS, Missouri, Kansas, Oklahoma and Arkansas, low rates, liberal privileges, most favorable terms. No delay. You get all you borrow. The Deming Investment Co., Oswego, Kan. Branch offices: Wichita, Kan.; Oklahoma City, Muskogee, Durant, Okla.; Little Rock, Ark.

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Sell your farms and city property at auction, as well as your pedigreed livestock. Write either for dates. Also instructors in

Missouri Auction School

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, 820 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.

Jacks and Jennets.

Dec. 1—Isaac Huscher, Ames, Kan.
Dec. 14—H. T. Hineman, Dighton, Kan., and D. J. Hutchins, Sterling, Kan. (Sale at Sterling, Kan.)
March 7 and 8—L. M. Monsees & Sons, Smithton, Mo.

Percheron Horses.

Dec. 1—Isaac Huscher, Ames, Kan.
Dec. 7—W. S. Cora, White Hall, Ill.
Dec. 16—J. C. Robison, Towanda, Kan.
Jan. 17—Lee Brothers, Harveyville, Kan. Sale at Manhattan.

Percherons and Other Draft Breeds.

Jan. 25, 26, 27, 28—Breeders' Sale Co., Bloomington, Ill.; C. W. Hurt, Mgr., Arrowsmith, Ill.

Coach Horses.

Jan. 17—Jos. Wear & Son, Barnard, Kan. Sale at fair grounds, Beloit, Kan.

Combination Breeders' Sale.

Jan. 25 to 28—F. S. Kirk, Mgr., Enid, Okla.
Feb. 15 to 18—F. S. Kirk, Mgr., Wichita, Kan.

Shorthorn Cattle.

Nov. 30—Levi Eckhardt, Winfield, Kan.
Jan. 20—Richard Roenigk, Morganville, Kan., at Clay Center, Kan.
Feb. 5—Frank Uhlig, Falls City, Neb.
March 23—Ben Lyne, Oak Hill, Kan. Sale at Abilene, Kan.

Holstein Cattle.

Dec. 16—John Wehnert, Falls City, Neb.
Jan. 27—E. S. Engle & Sons, Abilene, Kan.

Hereford Cattle.

March 4—Carl Behrent, Oronoque, Kan. Sale at Norton, Kan.

Poland China Hogs.

Dec. 15—O. R. Strauss, Milford, Kan.
Jan. 14—G. Burt, Solomon, Kan.
Jan. 18—D. C. Loneragan, Florence, Neb.
Jan. 21—A. F. Blinde and Geo. Brown; sale at Auburn, Neb.
Jan. 25—A. J. Swingle, Leonardville, Kan.
Jan. 25—W. J. Crow, Webb, Ia.
Jan. 26—J. L. Griffiths, Riley, Kan.
Jan. 28—S. E. Wait, Blue Mound, Kan.
Jan. 31—S. A. Nelson & Sons, Malcolm, Neb.
Feb. 1—W. Z. Baker, Rich Hill, Mo.
Feb. 2—Wigstone Bros., Stanton, Ia. Sell at Red Oak, Ia.
Feb. 2—Frazier Bros., Waco, Neb.
Feb. 3—H. J. Beall and Wise Bros., Roca, Neb.
Feb. 4—J. A. Godman, Devon, Kan.
Feb. 5—Fred B. Caldwell, Howard, Kan.
Feb. 9—Henry Fesenmeyer, Clarinda, Ia.
Feb. 9—C. A. Lewis, Beatrice, Neb.
Feb. 10—Wm. McCurdy, Tobias, Neb.
Feb. 12—T. W. Cavett, Phillips, Neb. Sale at Aurora, Neb.
Feb. 15—K. S. A. C., Manhattan, Kan.
Feb. 16—Ed Sheehy, Hume, Mo.
Feb. 17—H. C. Graner, Lancaster, Kan.
Feb. 18—H. B. Walter, Effingham, Kan.
Feb. 18—J. H. Harter, Westmoreland, Kan.
Feb. 23—F. E. Moore & Sons, Gardner, Kan.
Feb. 25—A. J. Erhart & Sons, Ness City, Kan. Sale at Hutchinson, Kan.
Feb. 27—Ben Anderson, Lawrence, Kan.
Feb. 29—E. M. Wayde, Burlington, Mo.
March 1—Clarence Dean, Weston, Mo. Sale at Dearborn, Mo.
March 4—Carl Behrent, Oronoque, Kan. Sale at Norton, Kan.
March 1—W. V. Hoppe & Son, Stella, Neb.
March 23—Ben Lyne, Oak Hill, Kan., Abilene, Kan.

Duroc-Jersey Hogs.

Dec. 1—R. W. Baldwin, Conway, Kan.
Jan. 19—J. O. Hunt, Marysville, Kan.
Jan. 24—Geo. Briggs & Sons, Clay Center, Neb.
Jan. 25—J. C. Boyd, Virginia, Neb.
Feb. 2—Martin Kelly, Verdon, Neb.
Feb. 4—W. M. Putman, Tecumseh, Neb.
Feb. 5—J. H. Proett & Son, Alexandria, Neb.
Feb. 15—K. S. A. C., Manhattan, Kan.
Feb. 24—J. M. Layton, Irving, Kan.

Chester White Hogs.

Feb. 24—J. M. Layton, Irving, Kan.

S. W. Kansas and W. Oklahoma

BY A. B. HUNTER.

J. B. Myers, the big type Poland China breeder of Galva, Kan., is offering some strictly high class boars. They are sired by the great boar King Hadley and out of big, mature sows of strictly big type breeding. Mr. Myers wants to move these boars at once and will make especially low prices on them, quality considered. If interested write today, mentioning Farmers Mail and Breeze.—Advertisement.

Sterling Jack Sale.

H. T. Hineman & Sons of Dighton, Kan., and D. J. Hutchins, of Sterling, Kan., will sell 25 jacks and 25 jennets at Sterling, Kan., Tuesday, Dec. 14. This is probably the best offering of jacks and jennets ever made in the state of Kansas. There are jacks in this offering good enough to head any herd in the land. Some of these will weigh as high as 1200 pounds. These breeders have been showing champion jacks at the Kansas State Fair a number of years and this year they showed the grand champion jack at the World's Fair at San Francisco.

One of the herd jacks is champion in three states. The jacks in the offering are sired by these champion jacks and the jennets in the offering are bred to these champion jacks. The breeding of the three great champion jacks, Pharaoh, Kansas Chief and Eastern Lightning predominates in this offering. Note the display ad in this issue and write today for catalog, mentioning Farmers Mail and Breeze.—Advertisement.

Shorthorn Bulls.

H. C. Stephenson, Clements, Chase county, Kansas, proprietor of Lucerne Stock Ranch, is making attractive prices on young Shorthorn bulls. He is offering 23 head, consisting of yearling bulls and early spring bull calves. They are Scotch and Scotch topped, reds and roans, by Cherry Knight 343761, by Barmton Knight, out of Cherry Bud. Here is your opportunity to buy a good young bull at a very reasonable price. Call or write soon, mentioning Farmers Mail and Breeze.—Advertisement.

Brkshire Boars and Bred Glts.

W. O. Hazlewood, Wichita, Kan., breeder of Berkshire hogs, is making prices for quick sale on breeding stock. He is offering a nice lot of spring boars, March and April farrow. They are by a son of Big Crusader, his dam was the grand champion Lady Lee. These boars are out of sows strong in the blood of Masterpiece. He also has for sale a nice lot of bred glts that are sired by Lee Crusader and out of Masterpiece dams and bred to a son of Second Masterpiece. Mr. Hazlewood is always careful in his description and only sells the very tops of his raising for breeding purposes. Write him describing what you want.—Advertisement.

Cora's Percheron Sale.

W. S. Cora, White Hall, Ill., will sell Percherons at Gregory Farm near White Hall, Tuesday, December 7. Eight stallions and 30 mares; this offering will include a number of Panama-Pacific Exposition prize winners and other winners at the leading state fairs this year. The stallions will include stallions of serviceable age by the champion Carnot and a high class lot of brood mares. Every mare in the sale is either by or bred to the grand champion Carnot. The long line of prizes won by Mr. Cora, on the get of Carnot, has proved beyond a doubt his wonderful ability as a sire of prize winners. The full list of prizes won by 12 of his sons and daughters at the leading state fairs and Panama-Pacific Exposition is given in the illustrated catalog of this sale and can be had for the asking. Send your name today. White Hall is only 67 miles north of St. Louis, one night's ride from Kansas City. Mr. Cora extends to you a cordial invitation to be his guest sale day.—Advertisement.

The Kind You Need.

G. M. Shepherd, Lyons, Kan., has to offer 30 spring and winter Duroc boars, including several herd headers. The winter boars weigh from 300 to 400 pounds and the spring boars from 160 to 200 pounds with frame and bone to weigh much more. They are in the very best breeding condition and all have had the simultaneous treatment for cholera. They are out of fashionably bred sows and by such sires as G. M.'s Crimson Wonder, the grand champion at Lyon county fair, in competition with first prize boars at Hutchinson, Topeka and Oklahoma State Fairs. Others are sired by Good E. Nuff Chief's Col., the sire of the first prize sow pig at Colorado State Fair. He is an outstanding sire and owing to his blood relations to a large part of the herd is now offered for sale. Here is a chance to buy a herd boar. The price on these boars will be low enough to move them quickly and every description given by Mr. Shepherd can be relied upon. Write him today, mentioning Farmers Mail and Breeze.—Advertisement.

Robison's Greatest Percheron Sale.

J. C. Robison, Towanda, Kan., will sell at auction, Thursday, December 16, the greatest lot of registered Percherons sold at auction on White Water Falls Stock Farm. The offering will consist of 50 head, 20 stallions and 30 mares and fillies. Glacia, perhaps the greatest Percheron stallion to sell at auction this year, goes in this sale, together with a number of his weanling stallions and fillies. He was grand champion at the American Royal, 1909, and grand champion at the Kansas State Fair, Hutchinson, 1911. Six stallions old enough for service by the World's Fair prize winner, Casio, also sell. Included will be one of the best sons of Casio ever sold at auction. Among the mature stallions is one that tips the scales at 2,300 pounds. Resistant, the imported assistant of Casio, in this herd, will sell, also a 21 months old colt weighing 1,700 pounds. Not a weanling in the sale but what weighs 900 pounds or more. This sale will include more sons and daughters of the great Casio than any previous auction; more than two-thirds of the entire offering are either sired by or bred to either the great Casio or the champion, Glacia. Every mare of breeding age in this sale is bred to one of these great sires. Four imported mares ranging from 2 to 4 years of age will sell; also a half sister of the International grand champion, Carnot, and bred to the American Royal grand champion Glacia, sells. For those who are fanciers of the popular purebred Percheron, this sale will afford an opportunity to buy a class of animals whose equal White Water Falls Stock Farm has seldom, if ever, offered at auction. The catalogs are illustrated and attractive and ready to mail. Send your name for one today, mentioning Farmers Mail and Breeze.—Advertisement.

Lant Brothers' Good Duroc Sale.

Lant Brothers, Dennis, Kan., sold at auction, November 17, 41 head of Duroc-Jerseys, spring boars and glts, at April and May farrow except nine head farrowed in March. Twenty-seven head of this offering were sired by their herd boar, Golden Model Again, the others most all by Ohio Kant Be Beat, two herd boars of exceptional breeding quality. A large part of the glts sold open as they were too young to breed. Prices ruled even; the top of the boars was a March boar by Golden Model Again taken by S. W. Alfred & Sons, Enid, Okla., at \$75. The top gilt sold for \$57.50. Senator R. L. Owens was represented at the sale by H. R. Hedger, his herdsman, and a number of the choice glts went to other purchasers were W. W. Otey & Sons, Winfield, Kan.; John Foster, Cherryvale, Kan.; Arthur Atkins, Parsons, Kan.; C. E. & W. A. Clugston, Cherokee, Kan.; R. D.

DUROC-JERSEYS.

25 Duroc Boars March and April farrow, tops, Crimson Wonder and Mo. Climax breeding. Spring gilts, bred or open.
R. T. & W. J. GARRETT, STEELE CITY, NEBRASKA

DUROC HOGS FOR SALE
The blood of champions. Entire herd; 2 herd boars, 10 herd sows, young boars, bred gilts, yearling gilts, 50 fall pigs, not related.
BUCKEYESTOCK FARM, OLEAN, MO.

Immune Duroc Boars on Approval

50 big, strong, well finished, richly bred fellows for a short time now at from \$25 to \$35. Will ship on approval and send the best while they last. Also Red Poll bulls. J. C. Boyd, Virginia (Gage Co.), Nebraska.

Royal Scion Farm Durocs

Choice fall and spring boars out of our best tried sows. One yearling boar, 17 in litter. Priced to move.
G. C. Norman, Route 10, Winfield, Kan.

The Schwab Pure Bred Stock

50 Duroc-Jersey boars ready to send out on orders. 25 Duroc sows bred for fall litters. Plenty of open gilts, etc. 6 Red Poll bulls ready for service. Percheron stallions and mares. Geo. W. Schwab, Clay Center, Neb.

DUROC JERSEYS!
Johnson Workman, Russell, Kan.

TATARRAX AND OHIO CHIEF

A few choice boars, of April farrow, sired by Critt's Lieutenant 188007, from sows strong in Tatarax and Ohio Chief blood. All cholera immune.
JOHN BARTHOLOMEW, Jr., Partridge, Kansas

Durocs Some extra good young boars farrowed in April. Priced right. If you want something extra good write today to
H. E. REECE, Thayer, Kansas

Crocker's Immune Duroc Boars
100 Duroc spring boars for sale. Guaranteed immune and shipped on approval. No money down before you get the hog. Prices \$25 to \$35 each.
F. C. Crocker, Filley, Nebraska

Rice County Herd Durocs
FORTY fine fall, winter and spring boars. Sired by Good Knuff's Chief, Col. G. M.'s Crimson Wonder, Col. Chief, Oleg's Dream, Illustration II. From excellent dams. 30 days' special price. Write today; describe your wants. G. M. SHEPHERD, Lyons, Kan.

Trumbo's Durocs

25 Duroc boars, big, stretchy fellows; fashionable blood lines, all immune, \$25 each. Sold on approval. Write today. Wesley W. Trumbo, Peabody, Kansas.

Wooddell's Durocs!

The best lot of spring boars and gilts we ever offered—Good E. Nuff Again King, Graduate Col., and other good blood lines. G. B. Wooddell, Winfield, Kan.

BONNIE VIEW STOCK FARM

Spring pigs for sale, sired by Tat-A-Walla, Kant's Model Enough and A Critic; also two registered Holstein bulls, six months old.
SEARLE & COTTE, BERTON, KANSAS

Immune Durocs!

Plenty of spring boars and gilts. Best of breeding. Stock guaranteed.
F. J. MOSEK, GOFF, KANSAS

16 Young Herd Boars

I have 16 very choice March Duroc-Jersey boars at reasonable prices. They are big and smooth. JOHN O. HUNT, Marysville, Kan.

Good Durocs at 10c a Lb.

Fall and spring gilts, bred or open, fall and spring boars, they are good ones, sired by sons of B. & C.'s Col. and Graduate Col. Weanlings, \$8.00. Everything immune. Write for breeding sheet.
MIKE SEIWALD, EUDORA, KANSAS

DUROC HERD BOARS IMMUNED

Boars and Gilts of large smooth, easy feeding type. From the Champions Long Wonder, Defender, Superba and Golden Model breeding. Gilts bred or open, also fall pigs. Prices reasonable.
JOHN A. REED, LYONS, KANSAS.

Jones Sells On Approval

12 picked Duroc-Jersey March boars. Shipped on approval. Weight 250 pounds, or better. Priced right.
W. W. JONES, CLAY CENTER, KAN.

Spring Duroc Boars and Gilts

All my spring gilts and boars at private sale. Gilts bred or open. Will breed them if desired to either Prince of Col. Wonder or Taylor's Model Chief. Write me.
DR. E. N. FARNHAM, HOPE, KAN.

Maplewood Duroc Boars

We have a lot of choice spring boars to sell at farmers prices. Also gilts bred or open. Popular breeding.
MOTT & SEABORN, HERINGTON, KANS.

BANCROFT'S DUROCS

Everything on the farm properly immunized. No public sales. For private sale: spring boars; also gilts open or bred to order for spring litters and September pigs, either sex, when weaned. Reasonable prices on first class stock.
D. O. BANCROFT, Osborne, Kan.
(Shipping Point Downs, Kans.)

Lindsey, Cherryvale, Kan.; J. A. Trumble, Jefferson, Kan.; and J. Osburn, Cherryvale, Kan. The average for the 41 head was \$33; the 30 gilts averaged \$33.70. The boars sold for only \$27.83 and included a number of rare bargains. Taking into consideration that only spring pigs were included this was a good average. It was a satisfactory sale of unusually high class Durocs.—Advertisement.

Baldwin's Big Duroc-Jersey Sale.

All of our readers who are interested in Duroc-Jerseys and want to buy some especially good ones are urged to keep in mind the big sale announced in last week's issue of Farmers Mail and Breeze by R. W. Baldwin of Conway, Kan. The sale will be held at his farm Wednesday, December 1. In this sale he will sell 80 head, consisting of 20 sows and gilts with litters at side, 40 sows and gilts bred to farrow this fall and 20 spring boars. Mr. Baldwin has been a regular advertiser in Farmers Mail and Breeze and has sold hundreds of hogs to Farmers Mail and Breeze readers. That his hogs give satisfaction is shown by the following extracts from pleased customers: "I have neglected writing you since receiving the boar shipped me, also the papers mailed to me, but I wish to state that I am more than pleased with the selection you made for me.—L. E. Aldredge, Springer, N. M." "The pig came through in good shape. He looks fine now since he has rested after the trip. You certainly sent me a nice pig. I am well pleased and wish to thank you for your good selection and promptness.—W. A. Hardesty, Morris, Okla." "Have you a boar that will weigh between 175 and 190 pounds for sale that is as good a hog as you sold Frank Schletsbaum, a neighbor of mine? If you have one write me prices and when you could ship.—C. R. Perdue, Huron, Kan." "Received hogs all O. K. and am well pleased with them.—W. L. Chapin, Oberlin, Kan." "The pig arrived in good shape. I am well pleased with him.—D. C. McKinley, Udall, Kan." Don't forget the date, December 1, and arrange to attend the sale or send bids to A. B. Hunter, who will represent Farmers Mail and Breeze at the sale.—Advertisement.

N. Missouri, Iowa and Illinois

BY ED. R. DORSEY.

Dean's March Sow Sale.

Clarence Dean of Weston, Mo., has one of the largest herds of Poland Chinas in Missouri. He has over 100 matured brood sows. His foundation sows cost from \$35 to \$200, always buying of the most popular breeding. The herd sows are by such noted hogs as Mastodon Price 14428, A Wonder Price 208817, Gritter's Longfellow 3d, Jumbo Wonder, Chief Price Again 2d, Big Bob, Big Jumbo 2d, etc. He has three herd boars. Big Bone Model is by Long Big Bone, by Black Big Bone, sire of both grand champions at the Iowa State Fair in 1914 and 1915. Big Bone Model is out of Mable, a daughter of Big Bob, by Chief Price 2d and Big Bob's pigs averaged in an Iowa sale \$98 and in a Missouri sale \$96. Smooth Black Bone is by the 1915 grand champion, Smooth Big Bone and out of Lady Price, bred by Wigstone, Brothers of Stanton, Ia. She is sired by Chief Price Again 2d; the first big type hog to win a prize at the Iowa State Fair since 1892. Not only are these two herd boars backed up by the leading state fair champions of recent years but no two hogs have behind them more thousand pound breeding. On March 1, Mr. Dean will sell 50 brood sows. Write for a catalog and mention this paper.—Advertisement.

N. Kansas and S. Nebraska

BY JOHN W. JOHNSON.

Quivers Place Jersey cattle, the property of B. Munsel, Herington, Kan., "pay at the pump" and have been doing so ever since the herd was established. At present he has for sale a few choice bred cows and bull calves. Write for further information and prices.—Advertisement.

Mott & Seaborn, Herington, Kan., offer March Duroc-Jersey boars at farmers' prices. They are of the best of breeding and are right in every way. You better write them right now if you need a spring boar at a price that you will consider a bargain. Everything immune and right in every particular. Look up their advertisement in this issue and get busy.—Advertisement.

Aberdeen Angus Bulls.

H. L. Kniesly & Son, Talmage, Kan., (Dickinson county), are breeders of Angus cattle. They are starting their advertisement in the Farmers Mail and Breeze soon and will offer a good 3-year-old bull, one that is 2 years old and 12 yearling bulls. Everything is registered or eligible. Their size, bone and quality will please you. If you need a bull at once write them about either of the two older bulls. Mention this notice in the Farmers Mail and Breeze when you write.—Advertisement.

Lamer's Big Horse Sale.

Look up C. W. Lamer's big half page advertisement of his December 8 sale of registered Percherons. This sale will be held at the pioneer Stud Farm south of Salina and a special train will be run from Salina to take the visitors to and from the sale. It is a big sale and in addition to the registered Percheron stallions and mares he will sell about 100 work horses and 20 mules. The catalog is ready to mail. Mention the Farmers Mail and Breeze when you write.—Advertisement.

Huscher's Big Stock Sale.

This is the last call for the Isaac Huscher sale of registered Percherons, jacks, jennets and Poland Chinas. The stock in this sale is all of a very high class and anyone interested in any of it should attend the sale. Mr. Huscher is not a speculator but a well known Cloud county breeder and farmer. He has decided to quit the horse and jack business but will continue in the Poland China business. He has recently decided to make this sale and everything in the sale will be found in their every day clothes as no attempt has been made to fix it up to sell. Mr. Huscher, who is one of the well to do farmers of Cloud county, will stand back of every sale made and his guarantee is as good as a gold bond. The stallions, jacks and jennets in this sale have been in use on this breeding farm and are right now in the prime of their usefulness. The Poland China spring boars

Registered Percheron Stallions

19 Ton and 2200 lb. four and five-year olds, 34 coming 3's, 17 coming 2's. Grandsons of International champion, PINK. 23 registered mares for sale. Just above Kansas City. FRED CHANDLER PERCHERON RANCH, R. 7, Chariton, Ia.



HORSES.
IMPORTED PERCHERON FOR SALE three-year-old, all O. K. Insured for \$750. Give me an offer. Ed. Schippel, Salina, Kan.

HOME-BRED PERCHERON, BELGIAN, SHIRE
Stallions and mares for sale at \$250 to \$400 each except two. Also Imported Stallions. Frank L. Stream, Creston, Iowa

LIVESTOCK AUCTIONEERS.
Rule Bros., H. T. & R. D., Ottawa, Kan.
Livestock sales a specialty. Write for dates.

Jas. T. McGuilch, Clay Center, Kan. The broader I am selling for every year. Write for open dates.

R. L. Harriman, Bunceton, Mo.
Selling all kinds of pure bred livestock. Address as above.

Spencer Young, Osborne, Kan.
Livestock Auctioneer. Write for dates.

John D. Snyder AUCTIONEER, successfully sells pure bred livestock, real estate and general sales. HUTCHINSON, KAN.

Be an Auctioneer

Travel over the country and make big money. No other profession can be learned so quickly, that will pay as big wages.

Missouri Auction School
Largest in the World. W. B. Carpenter, Pres.
818 Walnut St., Kansas City, Mo.

BALDWIN DUROCS Sale December 1

80 20 Sows With Pigs
40 Bred Sows and Gilts
20 Boars
(See last week's issue for particulars.)
This is your chance to call on the farm that is probably furnishing more boars than any Duroc farm in the state. Free transportation to farm for those from a distance who call at the "Talbot and Gibson Garage" at McPherson.
R. W. BALDWIN, CONWAY, KANSAS

Marshall Co. Pure Bred Stock Breeders

Nothing but first class animals offered for sale for breeding purposes. It is economy to visit herds located in one locality. For the best in purebred livestock write these breeders or visit their herds.

HEREFORD CATTLE.

Willowbrook Farm Herefords Yearling and two-year-old heifers for sale. Also a choice lot of young bulls.
B. M. WINTER, IRVING, KANSAS

HEREFORDS—POLANDS Herds established 30 years. 12 Herefords. 90 spring pigs, and 15 bulls, 11 to 15 months old, for sale. S. W. TILLEY, IRVING, KANSAS

Choice Young Bulls For Sale Sired by 84th 397007 and Real Malestic 37368. Write your wants.
J. F. SEDLACEK, BLUE RAPIDS, KANSAS

PRESTON HEREFORDS
Herd established in 1881. Come to Marshall county for Herefords. Address F. W. PRESTON, Blue Rapids, Kansas

Choice Two-Year-Old Bred Beliers and a Feb. bull for sale. Also 10 spring bulls. Address, GEO. E. MILLER, Blue Rapids, Kansas

Hereford Bulls One 3-year-old bull, one 14-month-old bull, some spring bulls. B. E. and C. W. GIBSON, BLUE RAPIDS, KAN.

Home of Parsifal 24th 120 head. Write me about a good herd bull. 25 spring bulls for this fall's trade.
C. G. STEELE, BARNES, KANSAS

Wallace Herefords Inspection invited. Write for prices and descriptions. THOS. WALLACE, BARNES, KAN.

Wm. Acker's Herefords!
About 25 spring bulls for this fall and winter trade. Address WM. ACKER, Vermillion, Kan.

Clear Creek Herefords—Choice last March bulls for fall and winter trade. 30 breeding cows in herd. J. A. SHAUGHNESSY, Atwell, Kansas

HEREFORDS Big and rugged. Farm 2 miles out. W. B. Hunt & Son, Blue Rapids, Kan.

DAIRY CATTLE.

Mills' Jerseys One 16 month bull. Bull calves from Aqueduct's Lost Time 19418. R. C. R. 1. Red cockerels, 75c each.
C. H. MILLS, WATERVILLE, KANSAS

WILLOW SPRINGS JERSEY FARM
Golden Fern's Lad's Lost Time 25562 at head of herd. Offers a few young bull calves. Joseph Kramy, Waterville, Kan.

JERSEY BULL By a grandson of Golden Fern's Lad, out of a 500 pound cow. Price \$250. Duroc-Jersey spring pigs for sale. B. N. WELCH, Waterville, Kan.

HOLSTEINS Cows and heifers for sale. Registered and grade. Address LAOKLAND BROS., AXTELL, KANSAS

O. L. C. HOGS.
IMMUNED O. L. C's April and July pigs. Special bargains in fall pigs at weaning time. A. G. COOK, LURAY, KANSAS

Western Herd O. L. C. Hogs
Spring boars and gilts for sale. Also fall pigs not related. Get my prices. F. C. GOOKIN, RUSSELL, KANS.

75 Chester White Spring Boars

Chief Select and White Rock breeding. No culs. \$25 each. Also few choice gilts. Inspection invited.
AMOS TURNER, WILBER, NEBRASKA, (SALINE CO.)

Smooth Heavy Boned O. L. C.'s

Pigs not akin from two months up. Boars not related to gilts and sows. Best of breeding at farmer's prices. Write today for circular.
F. J. GREINER, BILLINGS, MO.

Alma Herd "Oh I See" Hogs of Quality

A trial will convince you; anything sold from eight weeks on up. All stock shipped C. O. D. on receipt of \$10. Write for price list. HENRY FENNER, ALMA, MISSOURI

The Scottish O. L. C's WHITE HOGS OF QUALITY
The largest pure bred herd of O. L. C's in the U.S. and with the greatest show record of any. Carefully selected breeding stock, either sex, of the highest class, priced right and shipped to you on approval.
L. W. & R. H. SCOTT, Nelson, Missouri

DUROC-JERSEYS.

Durocs, Tried Sows Gilts, bred or open. 10 extra fine boars. A. C. HILL, HOPE, KANSAS.

BERKSHIRES.

Hazlewood's Berkshires! Yearling gilts, bred. Spring pigs priced for quick sale. W. O. HAZLEWOOD, WICHITA, KANSAS

High-Class Berkshires Winter and spring pigs of either sex and outstanding boars a specialty. Write J. T. BAYER, YATES CENTER, KANSAS

25 March Gilts Bred or open. 10 yearling and 2 two year old sows, bred to order or open. H. J. LINSKOTT, HOLTON, KANSAS

Berkshire Boars Ready For Service Prices from \$25 to \$35. A few real fancy fellows at higher prices. Also fall pigs, both sexes. Sutton Farms, Lawrence, Kan.

POLAND CHINAS.

Immune Boarson Approval 10 extra choice Poland China boars at \$25 each on approval. Write W. A. McIntosh, Courtland, Kan.

Spring Boars by King Hadley Large, big-boned, must sell quickly. Write J. B. MYERS, SALVA, KANSAS

LYNCH'S IMMUNE O. I. C's. Boars and gilts not related. W. H. LYNCH, Reading, Kan.

POLANDS Sired by grand champions and out of prize winning sows. Prices reasonable. W. Z. BAKER, RICH HILL, MO.

Wiebe's Immune Polands 25 Boars. 30 Gilts. Ship on approval. Have sold in ten states. G. A. WIEBE, BEATRICE, NEB.

ENOS IMMUNED POLANDS Fall and spring boars sired by the noted herd boars Orphan Chief and Mastodon King. Will sell a choice lot of my herd sows and gilts bred for early spring farrow. 100 head to pick from. Everything guaranteed immune. Write or phone. A. R. ENOS, RAMONA, KANS.

BLOUGH'S BIG POLANDS I am offering a choice lot of big, growthy, heavy boned boars out of 700 and 800 pound sows of the best big type breeding. At most reasonable prices. Everything guaranteed cholera immune for life. JOHN M. BLOUGH, BUSHONG, KANSAS

Fairview Poland Chinas For sale: Choice fall boars; fit to head herds. Also select early spring pigs, both sexes. All priced to sell. P. L. WARE & SON, Paola, Kansas

Big Type Poland China Boars I am offering big, stretchy spring boar pigs at reasonable prices. Some of the best blood in Mo. Come and see them or write R. F. HOCKADAY, PECULIAR, MISSOURI

Original Big Spotted Polands BIG BOAR AND GILT SALE NOV. 2. Top March and April boars and gilts reserved for this sale. Fall pigs, both sexes at private sale. ALFRED CARLSON, CLEBURNE, KAN.

Why Buy a Boar From Me? Because I sell just the tops and my Polands combine size and quality. No Boly Poly's. Neither the rough coated, hard fleshed, slow maturing sort. 25 to select from. Accurate description guaranteed. O. A. LEWIS, BEATRICE, NEBRASKA

BIG TYPE POLAND CHINAS Big March and April boars priced to move; also a choice fall herd boar. Gilts bred to your order, to a great son of King of Wonders. Fall pigs. Write me. ANDREW KOSAR, DELPHOS, KANSAS

IMMUNE POLAND CHINAS Some extra fine stretchy boars and gilts just right for early breeding. Some bred sows and gilts. The best of big type breeding, cholera proof and at farmers prices. We guarantee in every way. ED. SHEEHY, HUME, MISSOURI

Original Big Spotted Polands 20 March boars—20 March gilts. Tops of 100 head. 15 fall gilts red or open. The big litter kind. Address: R. H. McCUNE, Longford, (Clay Co.) Kan.

Private Sale Spring Gilts—Bred or Open, at Farmer's Prices. September Pigs—Pairs and trios not related. I guarantee everything I sell. John Coleman, Denison, Ks. (Jackson County.)

Big Type Polands Herd headed by the 1,020-pound Big Hadley Jr., grand champion at Hutchinson State Fair, 1915, was also first in class at Topeka and Oklahoma State Fairs. Our herd won more first prizes in the open classes at Oklahoma State Fair than any other Poland China herd. Young stock for sale. A. J. Erhart & Sons, Ness City, Kan.

Immune POLAND CHINA BOARS 30 good big fellows by Long King's Best and A Wonder's Equal at \$30. You can't beat them at this money. Satisfaction guaranteed. H. C. Graner, Lancaster, Kans.

and gilts are of the larger type and as good as you will find anywhere. Come to Concordia or Clyde and phone the farm, or get off at Ames as that is only a short distance from the farm. Bids may be sent to J. W. Johnson in care of Mr. Husher.—Advertisement.

Holstein Cows in Milk.

Lee Brothers & Cook of Harveyville, Kan., are offering special bargains in Holstein cows, heifers and bulls. They have 150 head from which to make selections. They will sell three high grade cows and a registered bull to mate with them for \$325. Fifty of these cows are now in milk and 40 more will freshen before January. Lee Brothers are the well known Percheron horsemen of Harveyville and are thoroughly reliable. Every statement they make concerning these cattle will be backed with their entire resources. If you want good dairy Holsteins at "live and let live" prices, see Lee Brothers & Cook. If you write them kindly mention Farmers Mail and Breeze.—Advertisement.

Duroc-Jersey Boars and Gilts.

Dr. E. N. Farnham, Hope, Kan., will not hold a Duroc-Jersey boar and gilt sale as was first intended but will sell his top boars and gilts at private sale. The gilts will be sold open or will be held and bred to your order. They will be bred to either Prince of Col. Wonder or Taylor's Model Chief. Both boars are of the best of up to date breeding. If you would like to buy several write for prices and descriptions. Dr. Farnham is one of the well known Duroc-Jersey breeders in the state and any dealings you have with him will prove satisfactory. If you need a spring boar or a spring gilt either bred or open or if you can use a bunch of good gilts at attractive prices write Dr. Farnham at once. Look up his advertisement in this issue.—Advertisement.

Hunt's Duroc-Jersey Boars.

J. O. Hunt of Marysville, Kan., is offering 18 young herd boars. They are of March farrow and are big, smooth, stretchy boars, suitable to place at the head of good herds. Mr. Hunt has been breeding Duroc-Jerseys for a good many years and has bred some of the best hogs of the breed. This statement is borne out by the fact that he has fitted and shown hogs that were good enough to win in the Nebraska State Fair in some of the hottest contests ever pulled off at that big red hog show. The boars that Mr. Hunt is offering are of the same blood lines which produce his sensational show hogs. They will please any of our readers who want good ones and Mr. Hunt will sell them worth the money. If interested, write him and mention Farmers Mail and Breeze.—Advertisement.

Engle Will Sell Holsteins.

E. S. Engle & Sons, Abilene, Kan., are well known Holstein cattle breeders. At present they are milking 42 cows and selling to the Belle Spring Creamery company between 1,200 and 1,500 pounds of milk daily. They belong to the Dickinson county pioneer cow testing association and helped to organize this highly successful and valuable association. There are about 400 cows tested every month by an expert and records are kept and lots of friendly rivalry exists. The Abilene papers print each month a list of the cows belonging in the association that produce more than 40 pounds of butter during the 30 days. For the 30 days ending October 31 there were 36 cows in this class and 19 of them belong in the Engle & Son herd. On January 27 E. S. Engle & Sons will sell a draft of Holstein heifers that are 2 years old and past and all heavy springers or will have calves at foot. They are the product of the working herd just mentioned.—Advertisement.

Griffith's New Herd Boar.

J. L. Griffiths, Riley, Kan., has recently bought a new herd boar, sired by Big Jumbo, by Big King and out of Mammoth Wonder by Mable Wonder. He is a splendid individual and the breeding will be recognized as popular and up to date. He was selected by Mr. Griffiths to cross on his King of Kansas and Long Jumbo sows that go in his January 25 bred sow sale. Mr. Griffiths's Poland China herd is recognized as one of the strongest in the West and the 50 splendid sows and gilts that he has reserved for his coming bred sow sale will prove one of the strongest offerings to be made in the state this winter. Everything was sired by King of Kansas and Long Jumbo Jr. The sale will be advertised in the Farmers Mail and Breeze in due time and those expecting to buy a few choice sows this winter should keep this sale in mind.—Advertisement.

McCulloch a Successful Salesman.

Jas. T. McCulloch, Clay Center, Kan., is a Kansas livestock auctioneer that is building an enviable reputation. Two years ago he was employed to make the A. B. Wilcox Holstein cattle sale at Abilene, Kan. The sale was a big success and one of the best ever held in the state. W. H. Mott was there and liked his work so well he engaged him for his sale which was the Mott & Seaborn sale of Holsteins held at Herington, Kan., last week. This sale, as indicated by the report in this issue, was a big success and likely the best sale of Holsteins ever held in the state. Prior to the Wilcox sale the Merritt sale of Holsteins at Great Bend was considered the top sale of Holsteins and that was also conducted by Mr. McCulloch. If you want a real live wire on your next sale employ Jas. T. McCulloch of Clay Center, Kan. You can always find his address in the livestock auctioneers' column in the Farmers Mail and Breeze.—Advertisement.

Immune Duroc-Jersey Hogs.

John A. Reed of Lyons, Kan., is changing his Duroc-Jersey ad in this issue and is offering big, smooth, easy-feeding boars and gilts. They are of Long Wonder, Defender, Superba and Golden Model breeding. The boars are big, husky fellows ready for service and the gilts will be sold bred or open. He is also offering a nice lot of fall pigs. His stock is good and his prices are reasonable. Mr. Reed is always on the lookout for something to add to the breeding worth of his herd. His latest addition is a herd boar, Reed's Gano 181973. This boar was first at three state fairs and junior champion and first at five county fairs. He also headed first prize young herd, first prize herd bred by exhibitor, produce of dam and get of sire. His sire, Gano Crow, was grand champion at Kansas State Fair and first at Oklahoma State Fair

JACKS AND JENNETS.**Jacks and Jennets**

14 large, good boned black Jacks coming 3 to 7 years old. If you want a good jack at the right price or a few good Jennets we can deal. Write or call on

Phillip Walker
Moline, Elk County, Kansas

JACKS and PERCHERONS

40 Big Black Mammoth Jacks: Young Black Ton Percheron Stallions and Mares, Extra Quality. Reference the five banks of Lawrence, Farm, 40 miles west of K. C. on the U. P. and Santa Fe.

Al E. Smith, Lawrence, Kansas

**ABERDEEN-ANGUS.****Aberdeen Angus Cattle**

Herd headed by Louis of Viewpoint 4th. 150624, half brother to the Champion cow of America. Johnson Workman, Russell, Kan.

ANGUS BULLS

Five from eight months to one year old. Females for sale, bred or open. Farm joins town. Correspondence and inspection invited. W. G. Denton, Denton, Kans.

ABERDEEN-ANGUS CATTLE

Young stock sired by reliable herd bulls for sale, singly or in car lots. See our herd of cows and show herd at Lawrence or write us. Phone, Bell 8454. Sutton & Porteous, Route 6, Lawrence, Kan.

RED POLLED CATTLE.

FOSTER'S RED POLLED CATTLE Write for prices on breeding cattle. O. E. FOSTER, R. R. 4, Eldorado, Kansas.

Pleasant View Stock Farm Red Polled cattle. Choice young bulls and heifers. Prices reasonable. HALLOREN & GAMBRILL, Ottawa, Kansas

RED POLLED CATTLE

BEST OF BLOOD LINES and cattle that will please you. Cows heifers and young bulls, at attractive prices. I. W. FOULTON, MEDORA, KAN.

Riley County Breeding Farm

75 Red Polls, 45 Percherons A choice lot of young bulls for sale. 12 of them by a son of Cremona, the 18 times champion. Visitors welcome. Farm near town. Address Ed Nickelson, Owner, Leonardville, Kansas

GALLOWAY CATTLE.**Bulls, Cows, Heifers**

CAPITAL VIEW GALLOWAYS I want to sell 200 head and will make special prices or next twenty days. Breeding same as my show herd. G. E. CLARK, 205 W. 21st St., TOPEKA, KANSAS.

150—Holstein Cows—150

You are invited to look over our herd of Holsteins before you buy. We have 150 high grade cows and heifers and a lot of registered bulls to go with them. **Three Cows and a Registered Bull \$325** 30 cows in milk and 40 that will freshen before January. Come and see our cattle. Bring your dairy expert along. The quality of the cows and our prices will make it easy for us to trade. Come soon and get choice. LEE BROS. & COOK, HARVEYVILLE, KANSAS

HAMPSHIRE.

REGISTERED HAMPSHIRE HOGS Bred gilts and nicely belted pigs, priced reasonable. C. I. Buck, Canton, Okla.

REGISTERED HAMPSHIRE 150 gilts and 2 boars, all ages. Cholera immunized. Description guaranteed. C. E. LOWRY, Oxford, Kan.

Shaw's Hampshires

150 registered Hampshires, all ages, nicely belted, best of breeding, all immunized double treatment. Satisfaction guaranteed. Priced to sell. WALTER SHAW, R. G. Wichita, Kan.

**POLLED DURHAMS.****Double Standard Polled DURHAMS**

Six yearling bulls. A number of under yearling bulls. 2 good French draft stallions and some Jacks. C. M. HOWARD, Hammond, Ks.

HOLSTEIN CATTLE.

Holsteins For Sale high bred registered bulls ready for service. M. S. AMSPACKER, JAMESTOWN, KANS.

Segrist & Stephenson, Holton, Kansas Prize winning registered Holsteins. Bulls from three months to yearlings for sale. Address as above.

Sunflower Herd Registered Holsteins 50 in herd. Attractive prices on springers, bred cows and heifers. Bull calves. F. J. Searle, Oskaloosa, Kan.

BRAEBURN HOLSTEINS

20 years breeding, with better sires at every change. Write me for bull calves with this backing. E. B. Cowles, Topeka, Kan.

HOLSTEINS

Registered Holstein bulls, ready for service from high blooded sires. David Coleman & Sons, Denison, Kansas

FOR QUICK SALE

A large number of highly bred, registered Holstein-Friesian cows and heifers; good ages, and good producers. Also several bulls from calves a few weeks old up to yearlings. Ready for service. HIGGINBOTHAM BROS., ROSSVILLE, KANSAS.

Some of the best Holstein breeding stock can be purchased at the **TREDICO FARM, KINGMAN, KAN.**

PRODUCTION, BREEDING, Tuberculin Tested Herd

Holstein Cattle

Herd headed by a grandson of Pontiac Korndyke. Average record of dam and sire's dam, butter 7 days, 29.4 pounds, 30 days 117.3 pounds. Bull calves for sale from extra good producing dams. T. M. EWING, INDEPENDENCE, KANSAS

Bonnie Brae Holsteins

90 HEAD. I have an especially nice lot of young cattle to offer at this time, consisting of high grade heifers from 1 1/2 to 3 years, to freshen this fall and winter; young cows from 3 to 5 years old; a few registered females from 2 to 5 years of age, also registered bulls from 6 months to a year old. Why not buy the kind that makes good. I sold the three highest record grade cows for both milk and butterfat in the State of Kansas. Will sell any number. IRA ROMIG, Station "B", TOPEKA, KANSAS.

Albechar Holstein Farm

offers some richly bred young bulls sired by a 32-pound bull and whose dams' sire is a 30.25-pound bull, a 3/4 brother to the sire of the world's champion cow, Finnerne Hollingen Fayne.

Shulthis, Robinson & Shultz INDEPENDENCE KANSAS

**HOLSTEIN HEIFERS**

Springers, coming 2 and 3 years, single lot or car loads. Also a few registered and high grade bulls, ready for service. Wire, phone or write.

O. E. TORREY, TOWANDA, KANSAS

**Girod's Holstein Cattle**

REGISTERED OR HIGH GRADE. 250 head to select from. One hundred cows and heifers safe in calf to bulls strong in the blood of the best milking strains. Registered bulls from calves to 24 months old. Bring your dairy cattle expert. The better judge you are of Holsteins, the easier we can deal. They are priced to sell.

Clyde Girod, Towanda, Kansas

**240—Holsteins—240**

In the 240 head you have to select from are 110 very large heifers that will freshen within 30 to 60 days. The 130 in March, April and May. All are of the best markings, having been bred up till practically full bloods, all are bred to registered bulls of the best blood. Will make bargain prices for sixty days.

J. C. Robison, Towanda, Kans.



HEREFORDS.

Registered horned and double standard polled
Hereford Bulls For Sale
Also a few horned heifers. JOHN M. LEWIS, LARNED, KANS.

Blue Valley Breeding Farm

FOR SALE. One No. 1 herd bull at \$200;
10 head of good young bulls from \$75 to \$100 de-
livered. 7 head of heifer calves at \$75 per head.
10 head of Poland boars from \$15 to \$35 delivered.
One No. 1 large herd boar at \$50. 40 B. P. Rock
cockers \$1.00 to \$2.50 each delivered.

Fred R. Cottrell, Irving, Kansas

SHORTHORN CATTLE

Shorthorn Bulls For Sale!
Six heifers, two-year-olds. Reds and roans.
L. M. NOFFSINGER, OSBORNE, KANSAS

Pure Bred Dairy Shorthorns

Double Marys (Flat Creek Strain) and Rose of Sharon fam-
ilies. Registered Poland Chinas. Breeding stock for
sale. Address R. M. ANDERSON, Beloit, Kansas

Shorthorns

20 bulls and heifers
sired by Duchess
Searchlight 348529,
a 2500 pound bull, and from cows weighing
1400 to 1600 pounds. Good milkers. Come
or write. **A. M. Markley, Mound City, Kansas**

Ballantyne Shorthorns 110 Head

12 yearling heifers for sale. 19 spring heifer calves and
11 bull, same age. Bulls from 8 to 12 months. Will sell
anything in the herd. Write today. **D. BALLANTYNE,**
HERINGTON, KANSAS, (Mention Mail and Breeze.)

SHORTHORNS

Two bulls, one red and one white. Priced
to sell. **C. E. HILL, TORONTO, KAN.**

Stephenson's SHORTHORNS

Yearling bulls and early spring bull calves, reds
and roans, by Cherry Knight 343761, by Barnum
Knight and out of Cherry Bud. Every one a good
individual. All vaccinated. Priced very reason-
able. Shipment main line of the Santa Fe.
R. C. STEPHENSON, CHASE CO., CLEMENTS, KAS.

Scotch and Scotch Topped Bulls

from 10 to 14 months. Also
Secret's Sultan 363833
for sale. Correspondence and in-
spection invited.
S. B. Amcoats, Clay Center, Ks.

Pearl Herd Shorthorns

Vallant 346162 and Marengo's Pearl
391962 in service on herd. Choice early
spring bulls by Vallant for sale. Thrifty
and good prospects. Scotch and Scotch
topped. Correspondence and inspection
invited.

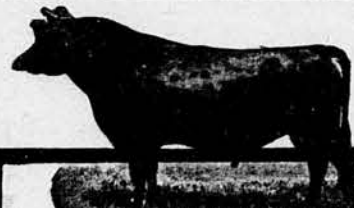
C. W. TAYLOR
ABILENE, KANSAS

JERSEY CATTLE.

QUIVERA JERSEY COWS
pay at the fall. A few good bred cows for sale. Males for sale
at all times. **E. G. Munsell, Herington, Kansas**

LINSCOTT JERSEYS

First Register of Merit herd in Kansas. Est. 1878.
Oaklands Sultan, 1st. Register of Merit sire in Kan-
sas, is dead. Last chance to get one of his daugh-
ters, \$100. **R. J. LINSCOTT, HOLTON, KAN.**

**DAIRYMEN!**

Is that great half of your herd, the sire,
a half that will show thousands of
dollars of profit? Or is he "just a bull"?
Run no risks. Invest where you know
the breed pays and where the registry
stands for purity of type and special,
concentrated purpose.

Buy a Jersey Bull

Introduce the blood that proves out in
steady, persistent milk flow, in animals
that mature early, live long, live any-
where, eat most anything and produce
most economically, the richest of milk.

Get our free book "About Jersey
Cattle," and plan now to build up a herd
you'll be proud of.

The American Jersey Cattle Club
355 West 23rd Street - New York City

this year. He is by Col. Gano, grand cham-
pion at the Iowa State Fairs and sold for
\$1,000. Reed's Gano's dam was Bright Belle.
Some of the gilts offered by Mr. Reed are
bred to this grand young hog. The offering
is immuned by the double treatment. If in-
terested write Mr. Reed, mentioning Farmers
Mail and Breeze.—Advertisement.

Lee Bros. Percheron Sale.

Lee Bros. of Harveyville, Kan., will hold
their annual Percheron sale at Manhattan,
January 17. The offering will include 50
head, 25 mares and 25 stallions. Practi-
cally all of these mares are in foal to the
grand champion Scipion. Several of the
stallions are sired by him. Many of our
readers will remember the exceptionally
strong string of Percherons shown by Lee
Bros. this season. All of these show horses
go in the sale except Scipion. No better
opportunity will be afforded this season for
persons wanting to lay in some good founda-
tion Percherons than will be afforded in
this sale. Lee Brothers are well and fa-
vorably known to the readers of this paper.
They have sold our readers many horses
and their horses have given satisfaction.
They stand back of every sale they make
and guarantee absolute satisfaction. You
take no chances when you buy of Lee Bro-
thers. Ask them to place your name on the
mailing list so that you may get the cata-
log when ready. Please mention Farmers
Mail and Breeze when writing.—Advertisement.

Good Sale for Welter.

Edward Welter's Poland China sale No-
vember 11 was a very satisfactory sale.
The roads were very muddy and many that
would undoubtedly have attended in autos
from a distance were not there. As is
usual in Mr. Welter's sales his neighbors,
who know the careful and painstaking
methods Mr. Welter takes in caring for his
herd, were glad to take the bulk of the
offering and at very fair prices. The offer-
ing was extra good and with better rail-
road facilities Mr. Welter would have re-
alized a much better average on his offer-
ing. As it was many flattering compliments
were passed by those who were fortunate
enough to be present. J. H. Harter of
Westmoreland, Kan., topped the sale with
\$53 for a magnificent boar. C. J. Hagins,
Wamego, Kan., secured a number of the
choice gilts and paid the top price for gilts
which was \$40. Mr. Welter has been in
the business for a number of years and has
built up a nice business and has the con-
fidence of his regular customers. His large
herd boars were highly complimented sale
day.—Advertisement.

Ballantyne's Shorthorn Offering.

D. Ballantyne, Herington, Kan., starts
his Shorthorn advertisement in the Farmers
Mail and Breeze again with this issue. Mr.
Ballantyne has 110 head in his herd and
desires to reduce it. He is offering 13
yearling heifers, 19 spring heifer calves
and 11 spring bulls. The bulls will range
in ages from 8 to 12 months old. He will
also sell a number of cows that are bred.
In fact he will sell you anything you want.
The cows are bred to Choice Orange and
the heifers to Woodale Chiefton. Woodale
Chiefton was got by Choice of All. Choice
Orange was got by Star Goods and is an
intensely bred Choice Goods bull. Mr. Bal-
lantyne has bred Shorthorn cattle in Kansas
for over 30 years. He was born in Scot-
land and his ancestors were Shorthorn
breeders before him. His herd at Hering-
ton is known far and near as one of the
strong herds of Shorthorn cattle. Write
him and tell him what you want and let
him make you prices. He is a kindly old
gentleman, who loves Shorthorns and your
dealings with him are sure to be pleasant.
Mention the Farmers Mail and Breeze when
you write.—Advertisement.

Nebraska

BY JESSE R. JOHNSON.

T. W. Cavett, the veteran Nebraska Pol-
land China breeder of Phillips, authorizes
us to claim February 12 as the date for
his annual bred sow sale. Mr. Cavett is
the only Poland China breeder in Nebraska
that ever bred and sold a boar for \$1,000.
Big Chief, the boar that made this Poland
China history possible, was first as junior
yearling at Nebraska State Fair this year
and first and grand champion at Kansas
State Fair. He was one of the largest boars
of his age ever shown at any state fair
and no smoother boar was ever passed upon
by a judge. This boar was not for sale
but when the offer was made it seemed
rather too large a sum for a single hog.
Much of his breeding is still in the herd
and two of his sons are being placed in
service. The boar's mother and one of his
litter sisters are in the brood sow herd and
Mr. Cavett hopes to raise another that will
be his equal as he had bred two good sows
to the boar before the delivery was made.
A leading Kansas breeder recently said to
the writer that Big Chief was the best
boar he ever saw. To visit the Cavett herd
and see the line of mature sows, all but a
couple or so bred right on the farm, causes
the visitor to look forward with Mr. Cavett
for more Big Chiefs. File application any
time for catalog of this sale. Always men-
tion this paper.—Advertisement.

S. E. Kan., S. Mo. and E. Okla.

BY C. H. HAY.

W. Z. Baker, the successful Poland China
breeder and showman of Rich Hill, Mo.,
has a few of his best spring boars left in
his pens which he is pricing worth the
money.—Advertisement.

Fred Chandler's Ton Percherons.

Fred Chandler, the big farmer and Perch-
eron horse breeder of Charlton, Ia., changes
his copy in this issue of the paper. He is
offering 4 and 5-year-old stallions which
will weigh from a ton to 2200 pounds. There
are 19 in this class. He is offering 34
coming 3-year-olds; 17 coming 2-year-olds
that are grandsons of the International
grand champion, Pink. This was one of the
greatest show horses ever on exhibition at
the International. Mr. Chandler also offers
22 registered mares. Any of our readers
wanting big, high class Percherons of the
real draft type should see the Chandler
horses before buying. If you write Mr.
Chandler for further information he will
gladly tell you about his horses. When writ-
ing please mention this paper.—Advertisement.

TWENTY-FIRST Percheron Sale!

The Kind that Makes Whitewater Falls Stock Farm Famous.

Towanda, Kan., Thursday, Dec. 16

25 Stallions—25 Mares

Including six stallions old enough for service, by Casino,
and some of the best he ever sired. The grand champion Glacis,
whose daughter was grand champion mare at the American
Royal goes in this sale, together with a number of his get.
Resistant, the imported assistant to Casino and four imported
mares, including a half sister to the International grand cham-
pion Carnot, also sell.

More Sons and Daughters of Casino Sell

in this sale than in any former auction and every mare of
breeding age is either in foal to the great Casino or the grand
champion Glacis. More than two-thirds of the offering are
sired by either one or the other of these two great sires.

The sale will be held in the pavilion near Towanda, 20 miles
east of Wichita. For catalog address

J. C. ROBISON, Towanda, Kansas

Auctioneers: Fred Reppert, John Snyder, Boyd Newcom,
Will Arnold and H. L. Burgess. Fieldman, A. B. Hunter.

Isaac Huscher's Big Registered Stock Sale

At his farm near Ames and within driving distance from Con-
cordia and Clyde. Phone the farm for free conveyance when
you get to either place.

Ames, Kan., Wed. Dec. 1

Three Registered Percheron Stallions

Imported Gabon (43975), is a dapple gray, weight 1800
pounds. He is eight years old. Imported Hargentin (52662),
is a light gray, nine years old, weight 1800 pounds. Dick
(104161), is an American bred stallion, solid black and four
years old.

I will also sell Carat, a white and black spotted Arabian
stallion.

Registered Jacks and Jennets

Four registered jacks, including Royal Prince. All the jacks
were in service on my farm last season. Also four black regis-
tered jennets with foal.

Registered Poland Chinas

I will also sell 12 boars and 18 gilts of March and April far-
row, sired by **Expansive Pride**, the top of the H. B. Walter
sale two years ago. Everything is Expansive breeding and of
the larger type.

I will sell 14 mules from suckers to three year olds.

Catalogs ready to mail. Address

ISAAC HUSCHER, AMES, KANSAS

Auctioneers—G. B. Van Landingham, Dan Perkins, Mr.
Boling. Fieldman—J. W. Johnson.

Registered Horse Sale!

On Wednesday, December 8th, 1915, I will sell at Public Auction, commencing at 10 a. m., on my PIONEER STUD FARM, 17 miles south of Salina, three miles east and one mile north of Lindsborg, two miles south of Bridgeport:

45 Registered Stallions and Mares 45

Consisting of Eleven (11) Mares, Fourteen (14) Fillies, Ten (10) Stallions, Nine (9) Yearlings. These mares and fillies are 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, 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 that I am offering in this sale.

Wednesday, Dec. 8th

Note: Also one hundred (100) Head of Horses and Farm Mares and twenty (20) Head of Mules will be sold at this sale. Part of these mares are in foal and as good as you will find anywhere. Trains leave Kansas City on Union Pacific for Salina at 8 a. m., 10:40 a. m. and 6 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. When the Clock Shows 10 a. m. we will be Selling Horses. Write for Catalogue.

C. W. LAMER, Salina, Kansas

Auctioneers: Sayer, Curphey and Ruggles. Fieldman, John W. Johnson.



HINEMAN & HUTCHINS' JACK SALE

Sterling, Kan., Tuesday, Dec. 14

25 Jacks

Greatest Jack and Jennet
Sale Ever Held
In Kansas

Every Animal Registered

25 Jennets



EASTERN LIGHTNING,
Kansas State Fair Champion.

Jacks good enough to head any herd. Some weighing 1200 pounds. Jack Colts, herd header prospects.

Jennets from weanlings to mature age; great producers and in foal to champions and with license to produce prize winners. The jacks are sired by and the jennets are bred to such sires as Kansas Chief, World's Fair grand champion at San Francisco. Pharoah, a champion of three state fairs and Eastern Lightning, champion of Kansas State fair this year. Three San Francisco prize winners will be included. This large offering will include Jacks and Jennets for Everybody.

Come and see the kind that made the world take notice at San Francisco. For catalog address either

**H. T. HINEMAN & SONS, DIGHTON, KANS., or
D. J. HUTCHINS, STERLING, KANS.**

Auctioneers—P. M. Gross, E. E. Potter, J. M. Langford, Wiley Brown. Fieldman—A. B. Hunter.

Sale right in town, under cover, rain or shine.

Percherons at Auction

Gregory Farm, Home of the Famous Grand Champion Carnot

White Hall, Illinois

Tuesday, December 7th

8 Stallions and 30 Mares

including State Fair and Panama-Pacific Exposition prize winners, sons of the grand champion Carnot of serviceable age and the kind that will put you in the lead as a Percheron breeder. Some very strong prospects among the coming 2-year-olds; remember every one of these 30 mares is either sired by or bred to the great Carnot.

CARNOT was not only grand champion of America and France but is perhaps the greatest Percheron sire in the world today. Here is the proof of his ability as a sire: 12 of his get won this year, 8 champion and grand champion prizes, 31 firsts, 13 seconds and 8 third prizes at the leading state fairs and the Panama-Pacific Exposition at San Francisco.

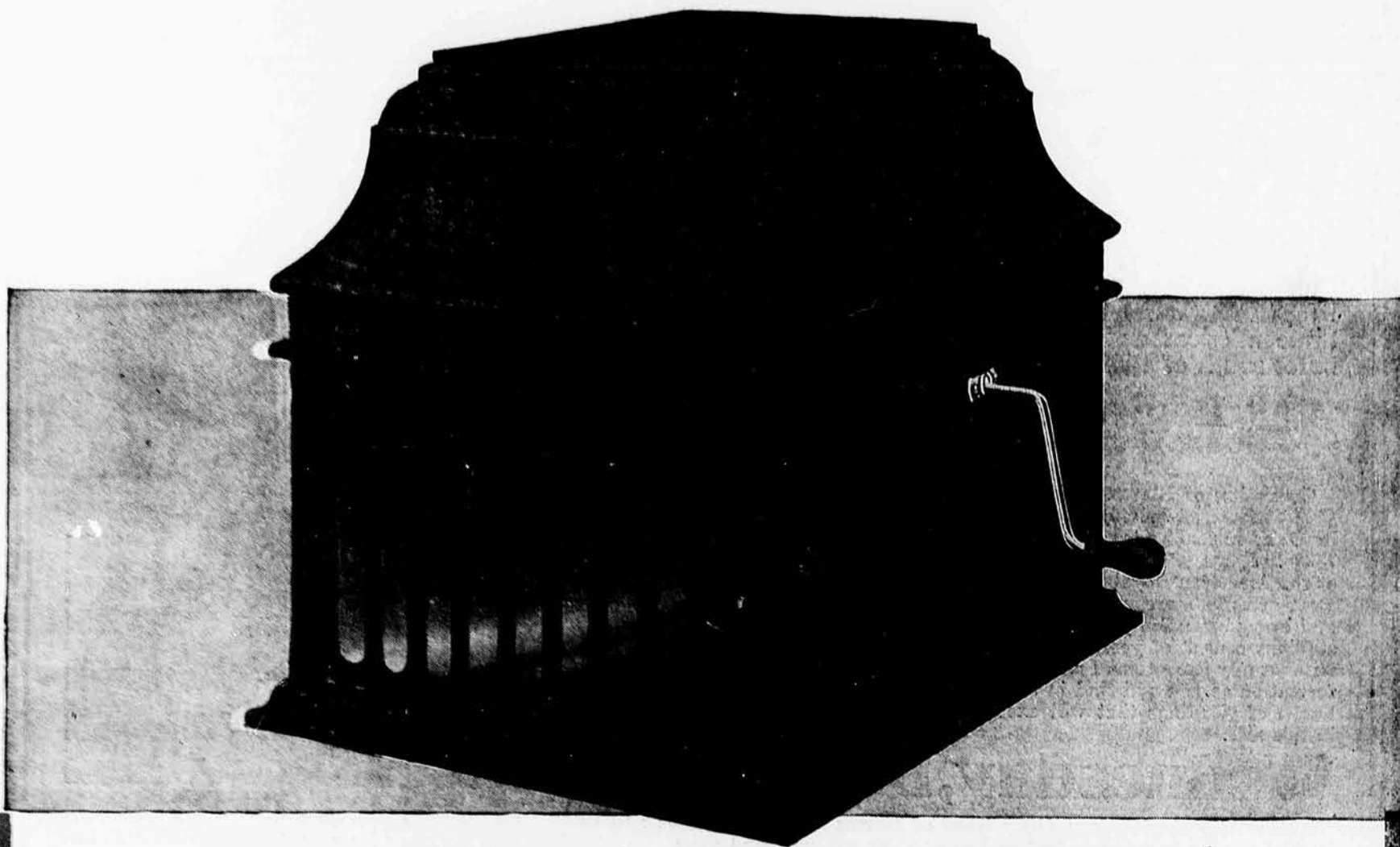
**We Show
What We Grow
From Carnot**

Good Percherons Are Sure to Increase in Demand

War in Europe and the agricultural development of America are sure to make the horse business good for years to come. The best is nearly always the cheapest so do not get the idea you cannot afford some of this prize winning blood. Come early and be our guest; send your name today for illustrated catalog. Address

W. S. CORSA, White Hall, Ill.

Auctioneers—Cols. Jones, Reppert and Seely. Fieldman—A. B. Hunter.
Note—67 miles north of St. Louis, one night's run from Kansas City.



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and After Trial

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Among all his wonderful inventions his phonograph is Mr. Edison's pet and hobby. He worked for years striving to produce the most perfect phonograph. At last he has produced the new model, and now it will be sent to you on a startling offer. **READ:**

Rock-Bottom Direct Offer!

If you wish to keep Mr. Edison's superb new instrument send us only \$1.00 after the free trial. Pay the balance on the easiest kind of monthly payments. Think of it—a \$1.00 payment, and a few dollars a month to get this brand new style outfit—the Diamond Stylus reproducer, the musical quality—the same Diamond Amberol Records—all the musical results of the highest priced outfits—yes, the greatest value for \$1.00 down, balance on *easiest monthly terms*. Convince yourself—a free trial first. No money down, no C.O.D., not one cent to pay unless you choose to keep the instrument.

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Such a variety of entertainment! Hear the latest up-to-date song hits of the big cities. Laugh until the tears stream down your face and your sides ache from laughing at the funniest of funny minstrel shows. Hear the grand old church hymns, the majestic choirs sing the famous anthems just as they sing them in the cathedrals of Europe. Hear the pealing organs, the crashing brass bands, the waltzes, the two-steps, the solos, duets and quartettes. You will sit awestricken at the wonderful grand operas as sung by the world's greatest singers. You will be moved by the tender, sweet harmony of quartettes singing those old melodies that you have heard all your life. Take your choice of any kind of entertainment. All will be yours with the Edison in your home. Send the coupon today.