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Gov. Capper Proclaims Nov. 25 Day for Kansas to Give Thanks



AS A CHRISTIAN NATION revering the God of our Fathers, it is always incumbent upon us, humbly to express our gratitude to Him from whom our blessings come; but especially in this year of years, when half of civilization is plunged in the unspeakable horror of war, does the spirit of gratitude and thankfulness become us.

For the yield of field and herd, far in excess of that of normal years; for the busy activity in shop and store; for freedom from industrial strife; for the happiness and contentment which pervades our home; for our schools and the men and women who train our youth; for our churches and God's ministers who break to us the Bread of Life; for our freedom from the blight of alcohol; for the sobriety and industry of the people; for the helpful spirit manifested by the women of Kansas in assuming the responsibilities of citizenship; for the deliverance of the nation from threatened broils with other nations; for the sanity with which our people view the alarm of the timid and hysterical; for our faith in righteousness and fair dealing with the peoples of the earth, rather than in mighty armaments for defense; for these and for all the blessings which we consciously and unconsciously enjoy, we should with full heart give fervent thanks.

Now, therefore, I, Arthur Capper, Governor of the State of Kansas, in accordance with the honored custom of my office, do hereby join the President of the United States in designating and setting apart Thursday, the Twenty-Fifth Day of November, in the year of our Lord, one thousand nine hundred and fifteen, as a day of general thanksgiving, and call upon the people of this state to cease from all labor on that day and to assemble in their houses of worship or other places, and humbly acknowledge our dependence upon God, to offer thanks for His care and preservation of us, and to pray for a continuance of His guidance and mercies throughout the coming years.

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Governor.



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Less Expense, More Fish

The state fish hatchery of Pratt affords a fine example of the efficiency and economy administration which Governor Capper is giving the people of Kansas, says a despatch from Pratt, Kan., published, last week, in the Capital. The governor came to Pratt soon after the legislature adjourned. After making a thorough investigation of the hatchery he expressed the opinion there were more persons on the payroll than necessary. He appointed W. C. Tegmeier, a practical and experienced fish man, fish and game warden and placed him in charge, with instructions to put the hatchery on a thorough business basis.

For several years the hatchery has had a superintendent working under the direction of the fish warden. The governor said both places could easily be filled by one man. R. D. Lindsay has recently resigned as superintendent and no one will be appointed to his place.

In October, 1914, the payroll and other expenses of the hatchery amounted to \$1,421. For October, 1915, the amount is \$790. Not only has expense been reduced, but the hatchery is distributing more fish than ever before.

The Small Tractor's Day

The days of the horse as the beast of all work are numbered, even on the small farm, in the opinion of W. H. Sanders, instructor in farm motors in the Kansas State Agricultural college. So far as the heavy work is concerned, the modern tractor will take his place.

Mr. Sanders admits that the average well-to-do Kansas farmer has viewed with suspicion the monster engines of from 30 to 50 horsepower on the draw bar. They cost so much to buy and operate, and unless their owner can secure all the plowing of a township, he cannot hope to use them more than 20 or 30 days a year. But with the small tractors things are different. Farmers have come to demand a tractor of a size to meet their needs, as well built, as serviceable, and as reliable as the larger machines, that also leaves out the imperfections of all the homemade affairs. The past year has seen the old traction companies endeavoring to meet this demand.

"The prospective purchaser must bear in mind that there are a few fundamental requirements that these machines should meet, otherwise expensive repairs or vexatious delays may occur. First of all, the motor must be a self contained unit, strong and reliable enough to deliver its rated power continuously. Its fuel feed, oiling, and ignition devices must be absolutely reliable, and standard in all respects, yet as simple as possible. A high speed, light

weight, racing machine is not desirable, neither is a low speed, stationary type of engine likely to be a success. A motor especially designed for the work in hand, as to speed, weight, number of cylinders, and fuel to be used, will give the best results.

Notes on Butchering

Butcher hogs at home. Give them water but no feed for a day before killing. Bleed the hog with an 8-inch, straight bladed knife. Be sure the bleeding is done before scalding or the skin may be left too red. A heavy blow with an axe between the eyes will stun the animal before sticking. The meat may spoil if the animal is

Are we not sufficiently near bankruptcy of revenue with a 100-million deficit in sight, without blowing in another 500 millions a year for such a terrible curse as militarism in America? Just one battleship costs from 15 to 20 million dollars, and in from seven to ten years is simply so much junk. The depreciation is almost 2 million dollars a year on every battleship we build. When the great war in Europe is teaching the world that war is nation-suicide; at a time when we are seeing the civilization-wrecking military policy of the old world tumbling into ruins about the heads of the peoples who created it, should an enlightened people like the American nation choose to set up a similar policy in this hemisphere?

excited before killing, or if the weather is warm afterwards. Scrape as quickly and rapidly as possible after scalding. The cold carcass is hard to scrape well. Bleeding will be finished quickly if the animal lies on a steep slope with its head down hill. Keep the hog moving in the barrel. If the animal is left pressed against the barrel the hot water cannot get at that part of the carcass. Scraping is easier if a shovelful of hardwood ashes, a lump of lime, some concentrated lye, or a handful of soft soap has been added to the water. Use a thermometer. Do not attempt to scald with the water above 150 degrees. A good scald can be obtained at 140 degrees but it takes longer. In opening the carcass, split the pelvic bone between the hams with a knife by cutting exactly in the center. To open the breastbone with a knife cut a little to one side of the center, but do not let the point of the knife get behind a rib.

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THE FARMERS MAIL AND BREEZE

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Crops Need the Water

Irrigation from the Underflow, which is an Insurance Against Drouth, Pays Well in Western Kansas

By F. B. Nichols, Field Editor

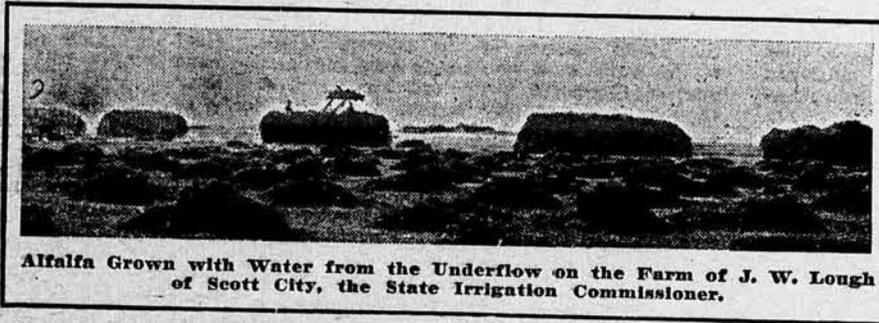
THE BUSINESS of pumping water from the underflow for irrigation has passed the pioneering stage. It has been proved that it is a definite success, and that under efficient management it will pay well. Large returns can be expected with high priced crops on the low lifts, and judging from the results in the last few seasons on the high lifts around Garden City a profit can be obtained even if the draw down is considerable. The Garden City Sugar and Land company has wells with a draw down of 160 feet.

There are hundreds of thousands of acres in western Kansas, however, on which the lift is low, from 10 to 35 feet. The more rapid development will be on this shallow water land of course, and quite properly so. Large profits can be made under these favorable conditions from alfalfa, sugar beets, and forage crops. This is especially true with forage crops when they are to be used for silage. Some remarkable yields of silage have been grown under irrigation; returns of from 20 to 25 tons an acre have been obtained from the kafir fields of A. L. Stockwell of Larned for example. These are extreme it is true, and they were produced on a very fertile soil, but a yield of 15 to 20 tons of silage on irrigated land is common.

It is not probable that there will be a very rapid development in growing grain under irrigation, for these more valuable crops will pay better. It is true, however, that there are many farmers who have obtained good returns from the irrigation of these crops. The Garden City Sugar and Land company grows several thousand acres of grain under irrigation every year.

A man who is expecting to go into irrigation quite naturally wishes to learn all that he can about the business before he begins, or at least he should do this. It would be well to visit some of the leading plants before he buys his equipment. Garden City, Scott City and Larned are centers for pumping irrigation in western Kansas, and there are of course many other communities which have good plants. Special help and information about pumping irrigation can be obtained from J. W. Lough, Scott City, state irrigation engineer; H. B. Walker, Manhattan, the head of the irrigation work of the Kansas State Agricultural college and secretary of the Kansas State Irrigation congress; and M. C. Sewall, Garden City, superintendent of the Garden City Experiment station, where some especially efficient work in irrigation from the high lifts, where the draw down is 130 feet, has been done. All of these men have an especially accurate knowledge of the practical end of irrigation work.

In addition to the state men, the United States Department of Agriculture has some efficiency engineers who have been making a study of pump equipment with a view to reducing the costs. These include George S. Knapp of Garden City, who did some remarkable work in reducing the costs of pumping on the Garden City station by an



Alfalfa Grown with Water from the Underflow on the Farm of J. W. Lough of Scott City, the State Irrigation Commissioner.

increase in efficiency in plant operation, and H. C. Diesem of Denver, who is in charge of the co-operative government work with the owners of pumping plants in Kansas. Mr. Diesem is a son of I. L. Diesem of Garden City, former president of the Kansas State Irrigation congress, who started the irrigation movement in this state in 1889, by raising the water with a windmill. A part of the government work has been in co-operation with A. A. Potter, dean of engineering, and R. A. Seaton, professor of applied mechanics, of the Kansas State Agricultural college.

There are many excellent plants which a man can study quite profitably if he is expecting to install equipment of his own. These include the outfits owned by J. W. Lough, Scott City; E. J. Guilbert, Wallace; E. E. Frizell, Larned; A. L. Stockwell, Larned; A. H. Moffet, Larned; Frank Petefish, Scott City; and G. W. Atwood, I. L. Diesem, Garden City Sugar and Land company, Peter Marx, and H. H. Everly, all of Garden City. Farmers who visit the Garden City section would do well to call on the companies there which install plant equipment. A great deal of information about the costs can be obtained from them.

Most of the hundreds of pumping plants in western Kansas have been installed as drouth insurance—the idea being to supply water during the dry periods which come almost every year. E. E. Frizell of Larned, who has lived

in Pawnee county 42 years, says that there have been but two years in that time when no irrigation was needed, and 1915 was one of these. If the average rainfall for any part of the state is studied for a series of years it will be seen that it is not increasing—there are wet and dry years, just as there always have been, but the average shows no increase. Neither is there anything to indicate that there will be an increase.

This item of drouth insurance is important in the eastern part of Kansas as well as in the western half. Already this is being appreciated by the farmers there, and plants have been installed at Topeka. There is certain to be a considerable extension along this line, especially with the more valuable crops, for as a rule there are periods almost every summer in eastern Kansas when irrigation at the right time would increase the crop yields materially. In a great many places the water can be obtained without a great cost, either from the underflow or directly from streams. It is logical that the main development should take place in western Kansas, for of course the need is the greatest there, but eastern Kansas also frequently needs the moisture.

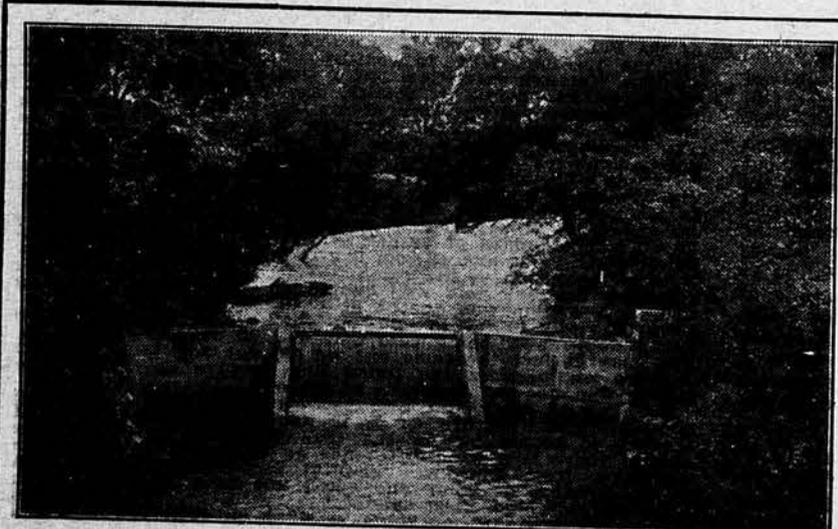
One of the first things for a man to do who is expecting to install a plant is to find out the underflow which he has, and the distance which it must be pumped. This is accomplished by sinking test wells, which are not expensive, and from which accurate data can be

obtained. Prospecting of this kind is absolutely necessary, for there is a considerable variation in the flow in some sections. For example, Mr. Lough has excellent wells at Scott City as close as 300 feet to wells which are almost dry. His theory is that in this section the water runs in streams, somewhat the same as it would on the surface, and it is necessary that these streams should be reached if the most water is to be obtained for pumping.

As a rule there is little trouble in getting the water in the leading underflow sections. The matter of deciding what machinery should be used, however, is quite another matter, and this can be determined only after a careful study of the results with the other plants. There is one thing on which the engineers agree, however, and that is that every plant is a problem in itself, which should be decided in the light of the principles which have been worked out in this branch of engineering. Professor Seaton obtained some amazing results in his laboratory efficiency tests with pumping machinery. For example, one outfit had an efficiency of 60 per cent at a given lift and speed, but this was decreased to 45 per cent with an increase of 10 feet in the lift but with no change in the speed. Such results indicate in a forceful way the importance of expert help in installing a plant. If this care is taken some excellent results can be obtained, for some very fundamental work has been done in the last three years in the study of the efficiency of pumping machinery.

In the sinking of the wells the first thing to decide is the number. There is little doubt but what a battery of several wells is best in shallow water sections, as this will decrease the lift, for of course there will not be so great a draw down. It may be best to install a syphonic water gathering device, such as that on the farm of Frank Petefish of Scott City, to gather up this water from the various wells and deliver it to the well which has the pump. On the high lifts the single well is best.

After the well or wells have been sunk and the type of pump decided on, the next matter to consider is the power. For much of western Kansas this means an oil burning engine of course, for the day of the gasoline engine for heavy pumping in Kansas has passed, and a great deal of the territory is out of the reach of central power plants. There is little doubt but what the use of the central power plant for developing the electric energy for this pumping is the coming thing in Kansas, especially on the low lifts. The Garden City Sugar and Land company, which has generators with a capacity of 3,300 horsepower, has demonstrated this quite well. It is true that the cost of the electric energy usually is more than the cost of the fuel for a plant, but it does not require so much care in running it—G. W. Atwood of Garden City handles his plant and also the water in the field without help—and the original cost is not so great. The depreciation on a motor usually is less than on an engine.



A Dam Across the Pawnee River, Near the Pumping Plant Owned by A. H. Moffet of Larned, which Reduces the Lift Materially.

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Passing Comment--By T. A. McNeal

More About Guam

I quoted, recently, from interesting letters received by his father from Lieutenant Commander Cook, vice governor of the island of Guam. The governor is now on leave of absence which puts Lieutenant Commander Cook in supreme command. It is evident that Lieutenant Commander Cook is not particularly enamored with the island, as the following extract from one of his letters shows:

"A Kansas farmer would not trade 160 acres of good Kaw valley land for the entire island of Guam. In a large part of Guam the soil is not more than 3 inches deep and beneath is the hard unbroken coral rock which will turn any plowshare ever tempered. For that reason the average native never has learned the use of modern agricultural implements and depends upon the hoe and a peculiar kind of spade which with his "machete" furnishes him his only steel implements.

"In the rivers, creek valleys and the draws, as we would call them in Kansas, the soil is somewhat deeper and is suitable for the plow and cultivator but even there they are little used. We bought 14 plows with government money which I am to distribute to the various small towns to be used for demonstration purposes. As I never have plowed I shall have to get some one of the real farmer boys among the enlisted men to do the actual demonstrating.

"The cattle here would create a great deal of amusement at any exhibition in Kansas. The average steer in Kansas, I presume, would dress about 700 pounds, while here 250 pounds would be a fair average. So you can form some idea of their size—not much larger than a good Shetland pony. As a matter of fact the natives do not raise them for beef, but as draft animals, the bulls being almost exclusively used to draw the peculiar two-wheeled carts seen nowhere outside of Guam. A few cows are kept for breeding purposes and saddle and pack animals. The bull calves are carefully kept and nurtured for work and with an idea of producing beef.

"One never sees any milk here except that which comes out of a can. This was a wonder to us at first and we supposed that it was on account of the cupidity of the natives, but on further examination and actual count of those that passed our door we came to the conclusion that few cows are kept."

The Climate of Guam

"The rainy season has set in and the air is humid, hot and sticky. In speaking of the 'rainy season' in the tropics it does not mean that the rain falls all the time, for it does not, but there are passing showers all the day long between which the sun comes out and the water-soaked ground and vegetation fairly steam, due to the heavy evaporation. About 6 inches of rain has fallen already this month, some of the showers being very heavy. But we also have had plenty of sunshine. The temperature ranged from 85 degrees to 90 degrees every day."

A Touch of the War

"The last month has been a strenuous one and one full of excitement in Guam. No doubt you will see from my newspaper which I am sending by this mail the relief we sent to the starving inhabitants of Rota Island, one of the Manana Islands, about 60 miles north of us. After the Spanish-American War the remainder of the Manana Islands was sold to the Germans by Spain. In my judgment the United States should have acquired these islands but at that time we had so many other things to look out for and the administration was afraid of the 'Anti-Imperialists' so they were allowed to go by default. Early in the present war the Japanese seized these islands and still hold them under a naval occupation, having taken all the Germans on the island to Japan and placed them in detention camps."

The Island Schools

"The governor and I visited, yesterday, the country schools at Asan, Peti, Agat, Dededo and Yigo which you can readily locate on the map sent you some time ago. As I wrote you previously the little boys go to school in the morning and the

little girls in the afternoon. It is quite interesting to see these little tots at their lessons trying to learn English and become American citizens. The instruction is all in English, theoretically, but the English spoken by some of the native teachers is startling to say the least and I fear that most of the instruction is carried on in their native tongue—that is, Chamorro.

"We have only a few white teachers as our revenues are very limited and therefore wages are quite low, hence we cannot get good white man teachers and there are very few white women on the island, outside of the officers' wives. Most of the white men who reside here continually have married Chamorro wives and become 'squaw men' as they are generally known and I am sorry to say in many cases have degenerated to such a degree that they are undesirable citizens.

"There are exceptions to all cases and it is so in this case, for some are all right. However, under present conditions there is little mixing of the officers and their families with the white residents here. Outside of our colony there is only one other, and that is at Sumay, the cable station, so far away that we see but little of them. In our colony there are 13 families, five of the officers are bachelors or their wives are in the United States. However, we have a pleasant time among ourselves.

"We are looking forward now to the mail, due tomorrow, for letters from home and if you knew how welcome these letters are to us poor 'exiles' out here 6,000 miles from San Francisco, 1,500 miles from Manila, you would not begrudge the time it takes to write us."

Land Monopoly

Editor The Farmers Mail and Breeze—I notice that a few single-taxers had space in your columns last week. If all your readers could be shown the injustice and all the evil that results from the private ownership of land in fee simple, about 100,000 of them would take their guns and meet with the next legislature.

Henry George's six books are more up to date and more generally read now than they were when first published over 30 years ago. You say that the single tax would not cure all evils; that the money monopoly is as bad as the land monopoly. Having both, maybe it is, but abolish land monopoly and there would be less demand or no demand for farm mortgages. In the case of large co-operative farming little or no money need be used. Car loads of surplus produce could be exchanged for other goods without the use of money. The money used on a large, organized co-operative farm need not be anything except receipts for labor, whereas if you take a tract of country anywhere in eastern Kansas 15 or 20 miles square, the farmers living in that tract are paying interest on from \$1 to \$400,000.

Osage City, Kan. H. L. FERRIS.

I am inclined to think that an investigation would show that Mr. Ferris's estimate of the amount of money borrowed by the farmers is decidedly conservative.

What Is Wealth?

Editor The Farmers Mail and Breeze—My attention was drawn to a letter from one of my neighbors and your comments on it in a recent issue of the Farmers Mail and Breeze and I asked myself the question, What is wealth?

I like Walker's definition, but I would add that there are two forms of wealth, commercial and ideal. Commercial wealth contains intrinsic value while ideal wealth is the creature of the mind. You cannot see it, feel it, taste it, smell it. It cannot be analyzed. It is purely an ideal word.

I agree with neighbor Williams that all commercial wealth is produced by labor but ideal wealth is the product of the mind and is not governed by the laws of supply and demand. There can be no true standard of values as all commodities fluctuate in value and as gold is also a commodity, it is no exception to the rule.

During the war gold was quoted up and down and at one time was quoted at \$2.50 but I suppose that was to try to blind us old boys to the fact that we were being paid with 40 cent dollars. We knew it just the same but we did not object, because we were on the firing line to save the nation and not for the love of money.

You cannot draw the line between labor and capital. Well, neither do I, if applied to two classes of people but in the true definition of capital there is a wide difference as shown by a quotation from Lincoln: "Capital (commercial) is the product of labor and could not have existed had not labor first existed."

The only standard of value is what an article is worth in the market as measured by a fluctuating currency. We say prices have gone up or down as the case may be but it would be just as correct to say that the value of the money

has depreciated or appreciated. An inflated currency means high prices, a contracted currency means low prices. Of course we do not mean that man labor produces all wealth. It requires the labor of bees to create honey.

Trees in a forest possess value but it is on account of prospective labor. If they could not be utilized they would be worthless. The same can be said of minerals and ores in the mines, yes, and diamonds also. Yet I consider the value of diamonds to be principally ideal.

To illustrate: Dr. Livingston in Africa could exchange a 10-cent strand of beads or a yard of calico for a beef cow. This change of value was in the mind of the natives and not the result of labor.

Referring to another article you say, "I think this will be brought about by evolution rather than by revolution." Well, it is hard for me to draw the line unless you mean a gradual, rather than a sudden change. Revolution means a change of power. In politics it means a change of an "invisible" or monarchical to a government by the people. This requires education and of course requires time. B. F. MORLAND.
 Haven, Kan.

Somewhat Agitated

Editor The Farmers Mail and Breeze—In the Farmers Mail and Breeze of October 23 you published a letter under the caption, "Why They Are pro-British," and signed "Yankee." Now if you want to send your paper to me any longer you will have to omit such things. I did not subscribe to get a paper used for war discussions. I want a farm paper. If I want war news I shall subscribe for a newspaper.

I don't believe "Yankee" knows much about the war, the emperor of Germany whom he calls a murderer, the loyalty of us German-Americans or whence come the roots of every distinct part of American culture. I think Germany has done as much for this country as any other European country. What harm did Germany do this Yankee at White City, Kan., that he calls its emperor William the Murderer? Can he give me an answer to this question? Why doesn't he put his "John Henry" at the bottom of his letter so a man can write to him personally if he wishes? I am a German-American and am not ashamed of it nor am I ashamed to put my name to any letter I write. GEORGE B. THUMMEL.
 Osborne, Kan.

P. S. You can publish this if you want but you must publish it all or none.

Well, there it is, George. But supposing I had published only part of it, I am somewhat curious to know just what you intended to do about it.

Ax Week in Kansas

Editor The Farmers Mail and Breeze—
 All Hail the Hen! The Helpful Hen,
 Both rich and poor. All Hail! Amen.

Every year brings stronger proof and shows conclusively that there is big money in the chicken business. According to last year's census, the poultry products of the United States brought more than 700 million dollars and it was made from eggs laid by Queen Biddy and her production.

We desire to call your attention to the fact that the week of November 15 to 20 has been selected by the Kansas State Poultry association as "Ax Week in Kansas." The purpose of having "Ax Week" is to create an interest in better poultry throughout Kansas. We hope all poultry breeders will observe these dates and use their best efforts to create interest in their respective communities. The success of any business or industry depends upon the selection of the profitable and the discarding of the unprofitable. This applies to poultry raising as well. If the unprofitable are culled out of the flock, the ones which are left will be far more valuable and produce better returns.

There is money in good purebred poultry and the way to get this profit is to know your birds, give them reasonable attention and get rid of the scrubs. If every person in Kansas will on "Ax Week" just wield the ax on one drone, it would mean the saving of thousands of dollars in feed during the next year. Get your neighbors to cull and cull closely on "Ax Week." It costs more to feed and care for a scrubby, scrawny flock than it does a purebred flock. If Kansas expects to keep pace with other sections of the country we must use the ax "Ax Week." Get rid of all undesirables, just use good breeders next year and it will bring a million dollars profit to Kansas breeders in a single season.

There are two classes of fowls that should be retained through the winter: First, those intended for breeding; second, those which will be of commercial value. The practice of hatching from the entire flock should be abandoned and the practice of penning the best hens with a good male should be adopted—therefore, be sure you do not use the ax on two or three of your best males. All hens which have a tendency to become overfat should be sold; those which show indications of being unprofitable from any other cause should not be fed through the winter.

The purebred American hen is truly some bird! She sits on the barnyard fence and cackles of her achievements—of the many nice things she has bought for the home, of the groceries she has pur-

chased, of the luxuries, even of the automobile, she has enabled her owner to buy.

She is the poultry keeper's banker and pays good interest on every penny and all the attention spent upon her. No deposit is so small that it will not be appreciated, and larger returns are given in proportion. Her's is the soundest bank in existence.

We hope every member of the Kansas State Poultry association will try to make "Ax Week" a success. We desire to receive at least one new member for the state association from each of our present members. We are giving you a whole week for the work and hope to end the campaign the night of November 20 with more than 1,000 new members.

Get your ax ready for "Ax Week" and let's put our worthy state in the front ranks where she rightfully belongs. Send us at least one new member. Let's pull together and make "Ax Week" in Kansas a howling success.

Secretary K. S. P. A. CLYDE C. WHITELEY.

Fencing Farm Land

Editor The Farmers Mail and Breeze—I have 160 acres of land in Kansas which is fenced on the north and east. I wish to fence it on the south and west. At the southeast corner there is a small draw and the public has been cutting across the corner of my land. Four years ago I requested that they stop crossing my land, which they did, but just at the southwest corner there is also a small draw and the public has been driving on the bank on the southwest corner of my land. Would it be lawful for me to put my fence on my line, leaving the number of feet the law would require as my part of the road? How many feet would I be required to leave as my part of road?

MRS. A. E. M.

If there is no regularly laid out road you have a right to place your fence on your line regardless of the fact that people may have been driving over your land. If you fence it up, however, you should put up something that will be a plain warning to the traveler so as to avoid the danger of an accident from driving into your fence, especially at night, such as would be likely to occur if a traveled road were fenced up without warning.

In case there is a regularly laid out road there is a plat of it on file in the office of the county surveyor which will show just how wide it is and where your line is. You have a right to build on that line. If there is no established road you are in no way bound to set your fence in any number of feet.

Defends the Single Tax

Editor The Farmers Mail and Breeze—In your comment on the letter of J. M. Peet, in a recent issue of The Farmers Mail and Breeze, referring to the illustration of the case of Jones and Brown, one of whom had a lot and building worth \$10,000 and the other a lot and building worth \$40,000, you say: "The important fact is that under the single tax the man who had \$40,000 worth of revenue-producing property would have to bear no greater share of the burdens of government than the man who had only \$10,000 worth of revenue-producing property."

The single tax proposes to take annually, in taxation, for the public use, the economic value of land or ground rent and to abolish all other taxes. Assuming in this case that the lots are of equal value, then under the single tax each would pay exactly the same sum, in taxes, and justly so. And why? Because the value of the natural opportunity which each had the exclusive use of is in each instance the same. That one does not use his opportunity as productively as the other is not the concern of the community. There is no reason, in justice, why the community should not charge one as much for monopolizing valuable land as the other. In either case it confers a special privilege and should be paid what that privilege is worth.

The land value of these lots is the creation of the community and not due to Jones or Brown, the owners, or to any individual. The single tax would not tax the improvements on these lots, and justly so; because the improvements are the products of labor and of right belong to the workers who produced them. For the community to step in and take any part of these improvements, in taxes is robbery of the individual so long as it has a fund, in the value of land or economic rent, which it alone creates, and from which it should draw for all public needs.

Apparently you hold to the theory that public taxes should be laid according to ability to pay. The single tax theory holds that taxes should be laid according to benefits derived. That the ability-to-pay theory is unjust and absurd a moment's consideration will show.

Take the case under consideration: Taxing Jones's and Brown's buildings is not taxing them, but is taxing the users of the buildings, their tenants. If we impose a tax on buildings the users, not the owners must finally pay it; for the erection of buildings will cease until building rents become high enough to pay the regular profit and the tax besides. And this is true of all taxes that fall upon things of unfixed quantity. A tax increases prices by decreasing production and in the course of exchange is shifted from seller to buyer, from owner to consumer, increasing as it goes.

If we lay a tax on money lent, as is attempted under our present farcical and iniquitous system of taxation, the lender will charge the tax to the borrower, and the borrower must pay it or not obtain the loan. If the borrower uses it in his business he in turn must get it from his customers or his business becomes unprofitable. Now, the consumer, upon whom all taxes laid on labor or labor products ultimately falls, must not only pay the amount of the tax but also a profit on this amount to every one who has advanced it. How futile then to lay taxes according to ability to pay. Such taxes do not stay put. They are shifted to the consumer ultimately. And who is the consumer? All the people, to be sure. But the last census tells us that 90 per cent of the people earn less than \$700 a year and it is from this 90 per cent that most of the present taxes are drawn for they consume most of their income.

Advocates of the single tax theory do not regard it as a panacea for the cure of all social disorders; but they do regard it as a necessary condition without which all other reforms must prove incompetent if not abortive. Single taxes believe the only cure for all our social ills is freedom, and "the single tax is the tap root of freedom."

Lebanon, Okla. JOSEPH GRIFFIN.

I am pleased with the foregoing letter because the writer shows such good temper and makes such fair

statements. In no letters I have received from single tax advocates has their position been stated with greater clearness than in this letter of Mr. Griffin's. He also states my own position quite clearly, so there is no misunderstanding on the part of either of us.

Put in another way, the question to be considered is this: Should all forms of wealth help to bear the burdens of government, including of course the burdens of education, or should all the money necessary to pay these expenses of government and education be levied upon one form of wealth—the land?

Now I am in favor of an income tax because I believe it to be the most equitable form of taxation. Mr. Griffin would of course do away with all income taxes and collect all governmental revenues from the land.

He says that it is entirely equitable to make Jones pay as much taxes as Brown, although Brown has four times as much revenue-producing property as Jones, because he says Jones had the same opportunity to place a \$40,000 building on his lot as Brown and the state has no concern in the fact that Jones is not able to build as large a building on his lot as Brown can build on his.

Well, supposing Brown inherited his money while Jones was born of poor parents who left him no inheritance. The single taxer of course provides for no inheritance tax in his scheme and this money which comes to Brown comes through no effort of his. It is perhaps the product of labor, but certainly not the product of his labor. Under the single tax plan it seems to me that the government penalizes Jones because he was born poor. In other words, it seems to operate upon the theory that "to him that hath shall be given and from him that hath not shall be taken away even that which he seemeth to have."

Mr. Griffin assumes that the renter of the building pays the taxes in all cases. That is not correct. Sometimes the renter pays the taxes and sometimes he does not. It is true that where he can do so the owner of the building adds the taxes to the interest on his investment, necessary cost of repairs and insurance, but quite frequently he is not able to do that because he finds it impossible to rent his building at that rate.

But supposing in the case of Jones and Brown neither one rents his building. Both occupy their buildings with some line of business. In that event there would of course, be only one way in which they could shift the burden of taxes and that would be to add the tax to the price of the goods sold, if they were engaged in any sort of mercantile business, but in order to get back his taxes Jones would be compelled to add four times as much to the price of his goods as Brown, for in his building he could carry only one-quarter the amount of goods and presumably do only one-quarter the volume of business. This would be manifestly impossible. The law of competition would prevent it and Jones would have to bear his own extra burden of taxation.

I cannot get the impression out of my mind that a system of taxation which places all the burdens of taxation on one kind of property or wealth, would not prove satisfactory. Experience of course, might prove that I am mistaken.

Renter's Rights

Editor The Farmers Mail and Breeze—A rents a farm from B, on which there is a hog pasture. Can B come on and plow up the pasture and will A have to sell his hogs or keep them in a pen and feed them the year round as there is no other place on the farm to keep hogs? I have the farm rented until March 1, 1917. If B does plow up the place can A collect damages for it? READER.

The trouble about answering a question of this kind is that it does not state sufficient facts on which to base a very intelligent opinion. In the first place the writer does not state the conditions of the lease and without knowing that I cannot say what the respective rights of the renter and the landowner are. If A has been given unrestricted possession of the land under his lease then B can come on the premises only with A's permission so long as the right of possession continues. In such event B would not have the right to plow up the hog pasture and if he did A would have a right to damages under his lease. The rights of A and B depend entirely on the terms of the lease.

Concerning Mrs. Surratt

Editor The Farmers Mail and Breeze—Why did the United States demand the life of Mrs. Mary Surratt by hanging? ADOLPH OSTERMANN, Ocheyedan, Iowa.

Just why this question is asked at this time I do not know but I think I can make a fairly good guess. However, it is a fair request and I have no objection to answering it.

The public mind, at the time of the trial and execution of Mrs. Surratt, was inflamed with passion and a desire to avenge the death of Lincoln who had been almost deified by the people of the North. Undoubtedly at that time the hanging of Mrs. Surratt met with the approval of a large majority of the people of the northern states, but as the years passed and passion gave place to calm reflection that sentiment changed.

I fully believe that a majority of these same people, that is those of them who are still alive, regret the hanging of that woman. They have asked themselves this question: "What would Lincoln himself have desired if he were where he could

look back on the things of earth?" I am certain that he would have said, "Let the woman go free."

The hanging of Mrs. Surratt is not in my opinion a thing to be proud of. It is a thing to be regretted. However, I wish to say to those who are trying to compare the execution of Mrs. Surratt with that of the English nurse, Miss Cavell, that the comparison is not well taken. There is no doubt that Mrs. Surratt was engaged in the conspiracy to murder not only Lincoln but practically all the other members of his cabinet. It was ruthless assassination and that too of a man whose heart was perhaps the kindest that ever beat in the breast of a ruler.

Miss Cavell however, is charged only with being engaged in an act of mercy. She was trying to save the lives of her fellow countrymen. She was not even charged with being a spy. She was not accused of trying to convey information to the enemies of Germany concerning the plans or numbers of the German forces. She was executed for trying to do an act of mercy, forbidden of course by the rules of war, but still an act of mercy. Mrs. Surratt was executed for engaging in a plot to assassinate one of the noblest and kindest men who ever has lived since the dawn of history.

Widow's Pension

Editor The Farmers Mail and Breeze—Please tell how a widow shall proceed to obtain a pension, her husband having served in the fourth Missouri regiment during the war and having been honorably discharged. She has no data concerning his services. There are six children. E. M. R. Cole Camp, Mo.

If she will write the member of congress from her district he can get a record of her late husband's military service at Washington. He also without doubt, will send her the necessary blanks to be used in making application for a widow's pension. She would better take the blanks to someone who is accustomed to filling out such papers and have them properly executed and forwarded to the Pension Department at Washington.

Dams and Taxation

Editor The Farmers Mail and Breeze—I have been informed that there is a law in the state of Kansas exempting farmers from taxation on lands where there is a concrete or other substantial dam erected for the purpose of making a lake or reservoir on the land. I am contemplating building a concrete dam which will cover from 10 to 20 acres with water to an average depth of about 5 feet. I also have been informed that the county in which I reside will pay the expense of survey. If you can give me the law governing such case I shall be greatly obliged. J. E. L. Fredonia, Kan.

Chapter 211, Session laws of 1911 provides that the county engineer or surveyor shall furnish plans and specifications for dams at the expense of the county. Where a concrete dam is built which will store not less than 4 acre feet of water the land owner shall be entitled to a reduction of \$300 on the assessed valuation of the tract of land on which the reservoir is situated of not less than 20 acres. He may establish and receive a like reduction for four more reservoirs on 160 acres of land. In other words, if he has five concrete dams, each storing not less than 4 acre feet of water on his quarter section he will be entitled to a reduction in the assessed valuation of his land of \$1,500.

Wife's Services

Editor The Farmers Mail and Breeze—A friend of mine would like to get some advice. If the wife of A is persuaded to go away from home to nurse B who is sick with a contagious disease, can A collect for the labor of his wife? Has B violated any law in persuading A's wife to desert her home? A's wife has been gone three weeks without writing to A. If A's wife is taken sick as a result of this nursing can A be compelled to pay the doctor bill? J. J. C.

Mrs. A has a right under our law to make such contract for her services as she sees proper. If she wants to do a job of nursing for nothing I think she has a right to do so. However, if she has been persuaded to leave her husband and her affections have been alienated he has ground for an action for damages. If she voluntarily goes where she is likely to contract a contagious disease I believe her husband cannot collect the doctor bill from the person from whom she contracted the disease.

Renter and Landlord

Editor The Farmers Mail and Breeze—If a man rents property by the month is the landlord supposed to buy screens and repairs for the house or is the renter supposed to buy the repairs and take the costs out of the rent? READER.

Unless there is an agreement or contract to the contrary the landlord is supposed to keep the premises rented in repair, doing the things necessary to make the house habitable. This would include the putting on of screens. If the landlord neglects to do this the renter would have the right to buy the screens and deduct the cost from his rent.

Who Gets It?

Editor The Farmers Mail and Breeze—In case there are no children does everything go to the wife's people, or will they have anything? KANSAS WIFE.

In case the wife survives her husband and there are no children she inherits all her husband's property. It is then hers to dispose of as she wishes.

Kansas Boys Have "Pep" Capper Pig Club Members are the Live Wire Kind. Why Not Represent Your County?

By John F. Case, Contest Manager

IT'S a regular football rush, the way Kansas boys are lining up for the Capper Pig Club contest. Ever have the first choice in a game, fellows, and stand perplexedly scratching your head while an eager crowd shouted, "Take Me, Take Me?" On your selection of the best player might rest the losing or the winning. The contest manager believes every boy chosen as the representative of his county is going to prove a winner, for the boys who try, win no matter whether they come out first or not. Luck necessarily must play an important part in starting the pig club game for the first letter opened places the applicant at the head of the list for his county. But right there luck ends and we must add another letter. Pluck is what's going to count.

There's not much effort required in filling out a coupon, putting a stamp on the letter and dropping it in a mail box. But when it becomes necessary to get out and ask the postmaster, the bank cashier and a farmer friend to sign your recommendations a little more "pep" is needed. Remember, fellows, that the recommendation blanks sent to you who were lucky enough to head the list must be filled and returned within 10 days from date of notification or you lose standing and the next boy in line gets his chance. Dillon Wooten of Glen Elder, Mitchell county, was the first boy to qualify. His recommendations came hurrying back almost by return mail. That's the way to do things.

Then there's the question of choosing a breed if you have no purebred sow to enter. That's up to you. We are playing no favorites. There's an old and true saying that "there is no best breed." In the main it is true, but under your conditions one breed may be better than another. If I were buying a sow for this contest I should investigate carefully. Every breeder will be glad to answer your questions. Is the herd made up of vigorous thrifty animals free from disease? What is an average litter of pigs for your sows and gilts? What is the best profit record you can show for a sow and pigs? Those are the kind of questions to ask. And then after the sow is purchased, keep on asking questions. The successful swine breeders in Kansas have profited by experience. Not one of them but will be eager to help you in every possible way. And the contest manager will be right on the job lending all the assistance possible through the entire year.

Although numerous applications have been received many counties are yet to be heard from. Perhaps your county is one of them. Probably in the next issue of the Mail and Breeze we will print a list of the names of boys who have qualified for the contest, but until that is done and you know your county has a representative don't hesitate about filling an application blank and sending it in. Opportunity may knock but once. Under favorable conditions the purchase of this purebred sow should mean the beginning of a successful business career. I personally know one young man who started with one purebred sow pig eight years ago. He paid \$5 for the small porker but she brought him seven lusty squealers later on that sold for \$60. This money was invested in brood sows. Today my friend although on a rented farm owns more than \$2,000 worth of livestock, all paid for directly or indirectly by the progeny of his first purebred sow. And one of these days he will own the farm, as he set out to do. It's a true story that will be told to you in detail later on. His neighbors say this chap is "lucky." Perhaps so but no other boy in his community has done so well. And some of them had several times the value of a \$5 pig to make a start in life with.

It's all so simple, this Capper Pig

Club contest work. In order to be eligible to join you must not be less than 12 nor more than 18 years old. You fill out the application blank and send it in. Then if first in line for your county a blank will be sent to you calling for recommendations from your postmaster, bank cashier and a farmer friend. If you own a purebred bred sow or one can be secured from your father's herd,

the contest, the weight of the sow and pigs when killed, sold, or at the close of the contest, December 15, 1916, and a record of all the feed consumed. The sow may be sold any time after June and the pigs any time between June 1 and December 16. The cost of the feed is to be determined at the close of the feeding period or December 15, 1916, according to the following prices:

	Per 100 lbs.
Corn shelled	.90
Corn in the ear	.70
Kafir, millo, feterita or other sorghums	.50
Wheat	1.50
Bran	1.00
Shorts	1.20
Tankage	2.50
Linseed Meal	2.00
Skim milk	.25
Buttermilk	.25
(1 gallon equals approximately 8 lbs.)	
Whole milk	1.00
Pasture, 15c a month for sow and 15c a month for each pig after 2 months old.	
Alfalfa hay	.30



Dinner Time and Nobody Missing.

have two of the men who sign your recommendation blank appraise the animal. Return the blank to the contest manager and as soon as he notifies you that your recommendations are approved weigh your sow, report the weight, and the contest begins. If you wish to purchase a sow according to the terms of Arthur Capper's offer you will so state when your recommendation blank is returned. A blank note and contract will be mailed to you. Then you will get busy and purchase a purebred bred sow from some reliable breeder, telling him to hold the sow but send you a bill of sale. When this bill reaches you fill out the note for the amount the bill of sale calls for, making it payable to Arthur Capper, Topeka, Kan. The note will bear 6 per cent interest and be payable on or before January 1, 1917. Take the note and the bill of sale to your friend the bank cashier and tell him to attach a sight draft for the amount called for and mail bill, note and draft to Contest Manager, Capper Pig Club, Topeka, Kan. The money will go forward to the breeder at once and he will send you the sow without delay. No frills about that way of doing business. You buy the sow, Mr. Capper lends you the money on your personal note, and there's plenty of time to repay the loan after some of your pigs are sold next year. If for any reason you are unable to meet the obligation, another year's time under the same conditions will be granted. Simple, isn't it? Any 12-year-old boy in Kansas can understand that. And there will be no hardship in complying with these rules:

Rules for the Club Members.

Each club member is to feed and care for the sow and the litter as far as possible and to keep a record of the weight of the sow when bought, or entered in

produced, the feed consumed, the cost of the feed figured at the rates given in the table and a story of "How I fed and cared for my pigs" to the Contest Manager, Capper Pig Club, Topeka, Kan. When all the reports are received the contest will be judged on the following basis:

	Points
1—Pounds of pork produced (live-weight)	35
2—Cost a pound	40
3—Records and story of "How I fed and cared for the sow and pigs"	25

Here Are the Premiums.

The first five contestants making the best record will receive prizes as follows:

First prize	\$25.00
Second prize	20.00
Third prize	15.00
Fourth prize	10.00
Fifth prize	5.00

All premiums won by the club members on their sow when shown at the home county agricultural fair will be duplicated by Mr. Capper.

All profits after the sow and all feed consumed are paid for shall belong to the boy in the contest.

All club members who successfully complete the contest will receive a certificate of achievement signed by Arthur Capper, the director of the extension service of the agricultural college, and the state leader of boys' and girls' clubs.

The five representatives who win the first five places will receive a certificate of honorable mention signed by Mr. Capper, the director of the extension service, superintendent of institutes, and the state leader of boys' and girls' clubs; and an honor roll of their names will be published each year this club is conducted in the bulletin of announcement of the state farm and home institute at the agricultural college.

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.....

The Gypsum Company's Sale

The United States Gypsum Company's dispersion sale of Shorthorn cattle at Blue Rapids, Kan., last Monday, was attended by one of the largest crowds of Shorthorn breeders ever assembled at a cattle sale in northern Kansas. While cattle went to Colorado, Wyoming, Oklahoma and Nebraska the most of the offering of 107 head went to Kansas breeders. The average on the entire offering was \$122. The 81 females averaged \$123, and the 26 bulls averaged \$122. The herd bull, Choice Mist, went to C. G. Cochran & Sons, Plainville, Kan., for \$335, the top price paid in the sale.

The sale was held at the E. R. Morgan farm joining Blue Rapids. Mr. Morgan, who has charge of the farms of the United States Gypsum company, took personal charge and the comforts of visiting breeders were carefully looked after. The cattle were not highly conditioned but in very ordinary flesh. The sale was conducted by Col. Fred Reppert on the block and Col. Brady, Col. McCulloch, Col. Wempe and Col. Condry as assistants. Below is a list of part of the purchases:

No.	BULLS.	Price
1	Choice Mist, C. G. Cochran & Son, Plainville, Kan.	335
99	King Brothers, Centralia, Kan.	155
100	Frank Pratt, Seneca, Kan.	150
101	F. A. Dickson	120
104	O. E. Reed, Blue Rapids, Kan.	120
105	Bobby Bingo, January 15, 1914, J. E. Witt, Axtel, Kan.	115
106	William Jones, Frankfort, Kan.	100
107	Prince, February 22, 1914, Jim Ottoole, Axtel, Kan.	110
111	A. E. Volty, Leavenworth, Kan.	105
112	J. P. Donnahue, Herndon, Kan.	125
115	Thomas Warrol, Zeandale, Kan.	130
116	Water Williams, Hanover, Kan.	125
121	Schaffer Carnahan	125
122	F. A. Dickson	105
124	J. L. Wisdom	100
125	Clarence Williams, Upton, Wyo.	125

No.	FEMALES.	Price
2	B. W. Mitchell, Barnston, Neb.	125
4	Meall Brothers, Cawker City, Kan.	190
5	E. S. Myers, Chanute, Kan.	210
7	F. A. Egger, Princeton, Neb.	160
8	T. J. Dawe, Troy, Kan.	165
9	A. B. Garrison, Summerfield, Kan.	195
15	Theodore Olson, Leonardville, Kan.	195
18	H. A. Worthman, Seward, Neb.	145
19	R. S. Schulz, Holton, Kan.	140
24	F. A. Dickson	140
26	Schaffer Carnahan, Manhattan, Kan.	210
29	J. W. Beer, Gypsum, Okla.	115
30	M. E. Householder, Clay Center, Kan.	100
32	F. H. Manning, Council Grove, Kan.	125
33	Victor Hawkinson, Randolph, Kan.	160
34	J. W. Grindle, Garrison, Kan.	160
36	E. A. Campbell, Wayne, Kan.	110
38	A. J. Crumbaker, Onaga, Kan.	115
42	L. L. O'Mara	125
53	L. L. O'Mara	145
56	C. H. Wempe, Seneca, Kan.	105
65	R. L. Laverling, Washington, Kan.	125
69	C. H. Jewell, Talmo, Kan.	135
73	E. A. Ostlund, Clyde, Kan.	100
86	P. O. McCall, Irving, Kan.	130
96	G. A. Rolph, Wetmore, Kan.	125

Stallions Should Be Worked

Many farmers have written to the Kansas State Agricultural college to know if it is advisable to work stallions.

"Yes, all stallions should be worked; that is, provided the man who works them understands them and knows how to give them the proper care," is the answer given by Dr. C. W. McCampbell, secretary of the livestock registry board and assistant professor of animal husbandry in the college.

"A stallion should be broken to harness in the winter before he is two years old," says Doctor McCampbell. "As few are broken at this age the man who usually buys stallions faces the problem of breaking them after the horses have reached maturity.

"Several precautions must be observed when breaking a stallion. First, the man must be a thorough horseman and second, he must remember that while the horse is big he is usually soft and cannot stand a great amount of hard work until he becomes accustomed to it."

In breaking a stallion it should be borne in mind that he should have only a few hours' light work every day for several months but after he has once become accustomed to work he can, with proper care, do a full day's work out of breeding season, and at least half a day's work during the breeding season.

Storage

The day after the Jankases had returned from a summer on the farm Mrs. J. heard animated conversation in the nursery. As she stepped to the door to see what the children were so interested in, Sammy was saying to his little neighbor: "We didn't have any ice box on the farm. We kept our milk in a cow."—Woman's Home Companion.

Laws You Ought to Know

Something About Game, Hunting, and Wardens' Duties

BY C. D. YETTER

THE STATE fish and game warden is appointed by the governor for a term of four years, and receives \$2,000 a year. The state fish hatchery at Pratt is under his direction and he is required to make a personal investigation of the principal streams and stock them with fish, either from the United States government or from the state fish hatchery as the means will permit.

All money paid into the state treasury for hunting licenses is credited to the state fish and game warden's fund, but provision is made that not more than \$18,000 in any one year is to be spent on the fish hatchery, and any excess of this amount is to be placed in a fund to be known as the state game preserve fund, to be held in such fund until the legislature makes such appropriation of the fund as it sees fit.

The governor is required to appoint one deputy fish and game warden in every county and may appoint two or more. Such deputies must be reputable citizens and residents of the county where appointed. The warden and deputies have power to arrest without warrant any person caught in the act of violating any of the fish and game laws, and with a warrant under other circumstances and take such persons before the proper court. The court is required to assess \$10 additional to the costs for the person making the arrest, and this is the compensation of the deputy wardens. They are also allowed the same mileage fees as constables.

Hunters' Licenses.

A hunter's license is required before any person is allowed to "hunt, trap or take in any manner" any game bird or animal in Kansas. Residents of the state apply to the county clerk and pay a fee of \$1. Non-residents are licensed by the secretary of state and are required to pay a fee of \$15.

An individual resident owner of land or a member of his family may hunt or shoot on his own premises without a license, but this does not exempt such persons from complying with the other provisions of the fish and game law.

County clerks were formerly allowed 10 per cent of the fees collected for hunters' licenses, but the late legislature changed this so that the entire amount is turned to the county treasurer and by him to the state treasurer. Any misrepresentation in obtaining a license, or altering a license after issue is a misdemeanor; it must be carried at all times while hunting, and shown on demand of any deputy warden or peace officer.

Fur Bearing Animals.

Beaver and otter are entirely protected by the game laws of Kansas, and may not be taken for 10 years from March 25, 1911.

Tree squirrels are not to be killed or taken, except fox squirrels, and these only from September 1 to January 1, and then not in any city, or, in the case of private or public parks, only on the written permission of the person lawfully in charge.

No person is allowed to kill, trap or take any muskrat, skunk, mink, raccoon, opossum or civet cat between March 15 and November 15, except that owners or legal occupants of land may kill these animals for destroying poultry or damaging property. An-



telope or deer are absolutely protected for 10 years from March 25, 1911, except where raised in captivity, when they may be disposed of as explained later.

All wild birds are protected in this state, with certain open seasons allowed on game birds. It is unlawful to transport or ship, or have any part of the plumage or body of a wild bird, except as allowed during the open season for such wild bird. Wild geese, wild brant or wild ducks may be killed from September 1 to April 15, plover from August 1 to April 30, snipe from September 1 to April 30.

The number of wild geese or wild brant that may be killed by one person in a calendar day is six; wild ducks 20; plover 20 and snipe 12. The killing of quail, prairie chicken, Hungarian partridge or English and Chinese pheasants is absolutely prohibited for five years from March 19, 1913. No game bird may be shot while on the ground unless wounded, or earlier than one hour before sunrise or later than one hour after sunset, or from a motor boat. No more than 12 live ducks may be used as decoys.

Owners of orchards and farms may kill bluejays, crows and blackbirds for the protection of other birds, fruits and grains, and may kill great horned owls or the smaller varieties of hawks for the protection of game birds and poultry, but no insect or rodent eating hawk (the larger variety of hawk) may be killed.

When any of the birds mentioned as protected are raised in captivity they may be taken or killed for scientific or propagating purposes, and the state fish and game warden is required to issue a permit for the same to be transported when he is satisfied the same is done for these purposes. Persons desiring such a permit must give bond to the amount of \$1,000 that all such shipments are made in accordance with the requirements of the game law, the bond to be filed and approved by the county clerk of the county where such shipments originate; also a record must be filed giving the number and variety of game birds shipped, and name and address of person to whom shipped. This record must be accompanied by an affidavit sworn to before a notary public, to be filed with the record of the shipment. All shipments must have exact copies of the affidavit placed on the crate in a prominent place. These requirements apply also to protected game animals raised in captivity. Shipments of game birds or animals are not allowed in any other manner, and railroads and express companies are prohibited from receiving shipments of this kind otherwise than as above outlined.

As to Fishing.

It is unlawful for any person to take fish otherwise than with a rod and line with one hook, or with one trot line having not more than 25 hooks; such trot line must not be set within 300 yards of a dam or within 200 yards of the mouth of any stream.

Any citizen of Kansas may obtain a permit from the state fish and game warden to own and use a 3-inch mesh seine provided he shall execute a bond to the state for \$50 with two good sureties conditioned on the faithful observance of all the requirements in the

use of such seine. It is unlawful to use a seine having a mesh that stretches less than 3 inches, under such permit, and if any fish are taken weighing less than 3 pounds they must not be injured, and must be immediately thrown back into the water.

The seine must not be used from April 15 to June 15 or from December 15 to March 15, nor within 300 yards of any dam or 200 yards of the mouth of any stream. The use of a minnow seine not more than 12 feet long by 4 feet wide for catching minnows for bait is permitted.

Any resident of the state who owns an artificial pond may take fish from such pond in any manner.

The fish and game warden has authority to grant permits for the removal of fish from overflow ponds or creeks that are drying up. The placing of any screen or obstruction in any stream in this state in such a manner as to obstruct the passage of fish is prohibited. When dams are built a proper chute or fish ladder must be provided for the passage of fish, and the fish and game warden will give directions as to the material and construction of such fish way.

Having possession of any game or bird except by the person who lawfully killed or took the same, or having possession of any unlawful trap, net or other device except by the owner of an artificial fish pond is evidence of the violation of the game law. Any unlawful trap, net or spear is contraband and may be confiscated and destroyed on the order of the fish and game warden.

The use of any substance injurious to fish, or of dynamite, giant powder or similar explosives in taking fish is prohibited. The warden is authorized to offer a reward for information leading to the arrest of any person violating any provision of the fish and game laws.

It is unlawful to enter the premises of another to fish or hunt unless accompanied by the owner or person in lawful possession of the premises, without written permission to do so; this applies to any traveled road or railway right of way adjoining such premises. The fact that any person is found in possession of any kind of fire arms upon the enclosed premises of another without the permission in writing is prima facie evidence of guilt, but no prosecution can be had under this last clause except on complaint of the owner, or person in lawful possession of the premises.

For a violation of the fish and game law a fine of from \$5 to \$25 is provided for the first offense, \$50 to \$200 for the second, and \$100 to \$500 for the third, with a jail sentence until fine and costs are paid. Inquiries in regard to fish and game should be addressed to the State Fish and Game Warden, Pratt, Kan.

Extension Schools For Kansas

The Kansas State Agricultural college will hold many extension schools this season. Wide-awake farmers and farmers' wives who are studying the business of farming and home making will get through the extension schools information on the scientific principles underlying their work, with a coordination of these with everyday farm and home practice. The teachers are practical, well trained men and women.

The schedule of the schools for the year is now complete, as follows:

November 15-19, Eudora; November 22-26, Louisville; November 29-December 3, Lovewell; December 6-10, Leavenworth; December 13-17, Altamont; December 20-24, Mulvane; January 3-7, Quincy; January 10-14, Overbrook; January 17-21, Malze; January 24-28, Argonia; January 31-February 4, Belle Plaine; February 7-11, Miltonvale; February 14-18, Chapman; February 21-25, Nickerson.

In order to secure one of these schools for a community it must enroll a class of not less than 50 men for the course in agriculture and 25 women for the home-makers' course. Each student pays a tuition fee, usually of \$1.

The demand for extension schools for this winter has been very great and, had there been sufficient people to conduct them, more than twice the number scheduled could have been organized. Applications are now being considered for schools for the fall and winter of 1916-17.

Scornful Spouse—It needn't make you so grumpy because you swallowed an ant and spilt jam on your trousers and sat on a bumblebee. Good heavens, a picnic's a picnic, you know!—Life.

FARM-WEAR SHOES

"FARM-WEAR" shoes are made especially for farm service. They wear nearly twice as long as other shoes because the leather is double tanned (black and chocolate) and proof against uric acid, which comes from sweaty feet and barn yard service.

Also, they are well made of solid leather, slightly and feel as nice as they look—8 in., 8 1/2 in., 12 in. and 16 in. high.

Tell us the name of your dealer and we will arrange for you to try on a pair of "FARM-WEAR" shoes.



There Goes Dad!

You can tell him by his brand new

FITZ OVERALLS

He won't wear no other kind—no matter. If your dealer can't get your size write to BURNHAM-HUNGER-ROOT Dry Goods Co. Kansas City, Mo.



Hogs fattened at 1 1/2¢ per lb!



The cost to produce a lb. of pork with a pig from birth to 10 months, on red clover, sorghum and peanuts and 6 3-5 bu. of corn is only 1 1/2¢ per lb. along the

Cotton Belt Route in Arkansas & Texas

There isn't a section in America where you can fatten stock of any kind at less cost. This is due to the low cost of land, short mild winters, long pasture season and the great yield and variety of forage crops. Hogs run upon the mast until near Christmas and cattle require little feeding during winter months. Walter S. Whetstone of Rector, Ark. who came from Ohio, says: "There isn't a finer place in the world for stock—plenty of feed, clover, alfalfa, etc. and very mild winters." And his stock proves it—I never saw finer hogs outside of a stock show.

Its the mild climate, and big crop yields on low priced land that makes farming of any sort so profitable in Arkansas and East Texas now? If you could talk to Mr. Burton or Mr. Barron of Blightville, Ark. who make 60 bu. corn crops and 2 tons of clover per acre right along; or if you could visit Tilton's farm, near Texarkana, Tex. who gets \$50 per acre yields of alfalfa; and then go and price the land and find it costing only half as much as equally good land up north—you'd realize what a rich opportunity there is in Arkansas and East Texas for you now. Look into this.

Two free books!

A farmer wrote them; and he knows what you want to know about a section new to you. They tell about the character and cost of lands, climate, crops raised, etc., and about schools, churches, towns, social conditions. Brimful of photograph pictures taken on the ground. Send me your name and address on a postal card today and get these free books now.

E. W. LaBeaume, C. F. A. 1733 Railway Exchange Bldg., St. Louis, Mo.

Grange Potatoes are Cheap

Calf Weaning Time with its Hoarse Music Has Arrived

BY H. C. HATCH

THIS long continued period of fine weather gives hopes to many men that we are to have a dry, open winter. It would be only fair if such were sent; we are entitled to a dry spell after nine months of such rain as we had during the first three-fourths of 1915. A dry winter would be fine for stock; no feed is wasted in dry weather and cattle do not suffer from cold when their backs are dry. All who are feeding hogs remark on how well they are doing during this fine weather.



Fall Plowing at Jayhawker Farm.

We usually wean the calves long before this but the weather has been so fine and there has been so much feed in the pasture that we did not separate them from their mothers until this morning, November 5. This means that for the next few days and nights we will have music. In about 36 hours the calves will become so hoarse that they cannot bawl and can only croak. The cows usually quit bawling in about a day; we should think they would be glad to be rid of the insolent rascals.

In the pasture on this farm there is considerable bluegrass and White clover, especially along the creek. During the summer when prairie grass is plenty the stock will not touch either the bluegrass or clover, but they have been sticking to it for the last three weeks. It is still green while prairie grass no longer supplies good feed. For several years both the bluegrass and White clover have been spreading, and during this wet summer they made faster progress than ever. It is probable that in the course of time the prairie grass will be crowded out. That has been the history of native grass in all parts of eastern Kansas. We shall be sorry to see it go; to our mind it is the best pasture grass we have for the five summer months. No tame grass can approach it in value.

We kept at the plowing for the first three days of this week and finally finished the field. If we carry out our present crop plans for next year we will have only about 15 acres to plow next spring, and even this 15 acres would be plowed now were it not for the fact that it lies on a slope and might wash somewhat during the winter or early spring. Our plans contemplate only 8 acres of listed corn next year; the fall plowing is all to be well disked next spring and harrowed until in condition for corn. Many who are plowing plan

to list the plowing next spring, and this is a good way on dry ground. The bulk of the ground we have selected for corn next year is too moist for listing unless the spring is dry. If we have a dry winter the chances are that we will have another wet spring.

During the last week we have received a good many inquiries as to where the potatoes shipped in by our Grange were bought. At first we had planned on getting them from Dakota but found that potatoes of practically as good quality could be laid down so much cheaper from northwest Nebraska that they were bought there. The 6-car shipment of potatoes for the Coffey county Grange came from Ainsworth, Brown county, Neb., which is only one county from the Dakota line. The freight rate from Ainsworth to Gridley was 34 cents a hundred which made transportation charges almost equal the first cost of the potatoes. We are not surprised at this for we lived for 14 years not far from Ainsworth and on the same line of railroad and know the ability of the Northwestern railroad to charge in a region where there is no competition.

It is not probable that potatoes could now be laid down here as cheaply as at the time we bought. Our supply was bought at digging time, and was loaded directly on the cars from the farmers' wagons. All potatoes have long been dug in that section and what have not been shipped have gone into storage. We all know what charges are added to fruit and vegetables once they have been stored but in spite of that, no doubt, potatoes could be bought by the carload now and laid down anywhere in Kansas at a great saving over the old way of buying in small lots from dealers. The soil around Ainsworth, where the potatoes grew, is a black sand, which assures good quality in all vegetables. Because of plenty of moisture northern potatoes grew during the whole season and so are of good quality. Many times drouth strikes their potatoes and they partly ripen to revive again when rain comes. The second growth is fatal to quality but they had no second growth this year. It was all first growth.

One of the odd jobs on the farm this week was painting the hog house. For this work we had some odds and ends of paint left from other jobs and a mixture of this made rather a pale looking color for a hog house owing to the quantity

of white lead used. To give the desired color some Venetian red was added and the whole brought to the right thickness with linseed oil. We would have been glad of the chance to have tested the crude oil formula given in this column a few weeks ago but we were out of crude oil and did not take the time to get any. It is not customary to paint hog houses but we thought that perhaps the boards might last enough longer to pay for the paint. It looks better painted, too.

A neighbor has a field of kafir of three varieties, all of which matured. This field was planted in April, almost a full month earlier than kafir is usually planted in this locality, and it required about all the time between then and frost to mature. The three varieties planted were Red, White African and native Blackhulled White. Of the three, the Red matured first, the African second and the native Blackhull last. It is hard to tell which will yield the best by looking at the field. It is all good kafir for this year. The African was seed selected from the mixed lot grown last year and it still shows the mixture although selection improved it some. In this mixed lot there is one variety of stocky growth with a big compact head which we think will prove valuable if selected closely enough.

On November 5 we picked the first load of corn of the 1915 crop. We found the yield to be fully as good as we expected, the part where we picked making about 25 bushels to the acre. The quality of the corn is good but even at this date it is still too damp to crib. We still have plenty of old corn on hand but thought the hogs might relish a change to new and sure enough they did. Before we had been feeding some old corn at slopping time to toll the hogs away from the troughs long enough to make a start at pouring the slop. This was hard to do for at the first start of pouring the hogs would leave the corn and come in a mighty rush for the slop. But when we threw in the new corn this noon the hogs refused to leave it even for the slop which shows that they relish fresh victuals. We aim to feed the new corn once a day and the old corn once until the hogs become accustomed to the new.

Southerner—Why are you Northerners always harping on the children employed in Southern factories?

Northerner—Well, for one thing, it detracts people's attention from the children employed in ours.—Life.

CHANGE Quit Coffee and Got Well.

A woman's coffee experience is interesting. "For two weeks at a time I have taken no food but skim milk, for solid food would ferment and cause such distress that I could hardly breathe at times, also excruciating pain and heart palpitation and all the time I was so nervous and restless.

"From childhood up I had been a coffee and tea drinker and for the past 20 years I had been trying different physicians but could get only temporary relief. Then I read an article telling how some one had been helped by leaving off coffee and drinking Postum and it seemed so pleasant just to read about good health I decided to try Postum.

"I made the change from coffee to Postum and there is such a difference in me that I don't feel like the same person. We all found Postum delicious and like it better than coffee. My health now is wonderfully good.

"As soon as I made the shift to Postum I got better and now my troubles are gone. I am fleshy, my food assimilates, the pressure in the chest and palpitation are all gone, my bowels are regular, have no more stomach trouble and my headaches are gone. Remember I did not use medicines at all—just left off coffee and used Postum steadily." Name given by Postum Co., Battle Creek, Mich.

Postum comes in two forms:
Postum Cereal—the original form—must be well boiled. 15c and 25c packages.

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

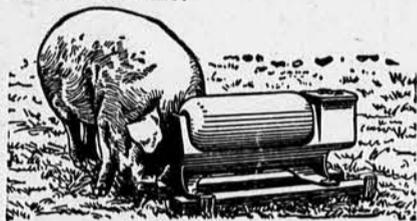
Both kinds are equally delicious and cost about the same per cup.

"There's a Reason" for Postum.
—sold by Grocers.



Top the market with your hogs.

Here is the way to prevent hog ailments and keep hogs healthy. Get a Hog-Joy Oiler to free them from lice and disease germs. Then profits increase! But any hog oiler won't do—only the Hog-Joy will oil belly and leg pits—as well as the back and sides. Remember that. Then the Hog-Joy Oiler can't tip over or get out of whack. So it's cheaper in the long run. It lasts a lifetime.



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without further bother. Require no attention. Self-feeding—no delicate pumps. Can't clog nor freeze. Work always. No springs. No valves. Solid cast iron. Once used, never discarded. 30-day free trial. Over 35,000 thinking farmers prefer Hog-Joy Oilers. They know.

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36 pages, contains full information and color illustrations of every breed of hogs. Tells all about the Hog-Joy System of Successful Hog Raising. (66)

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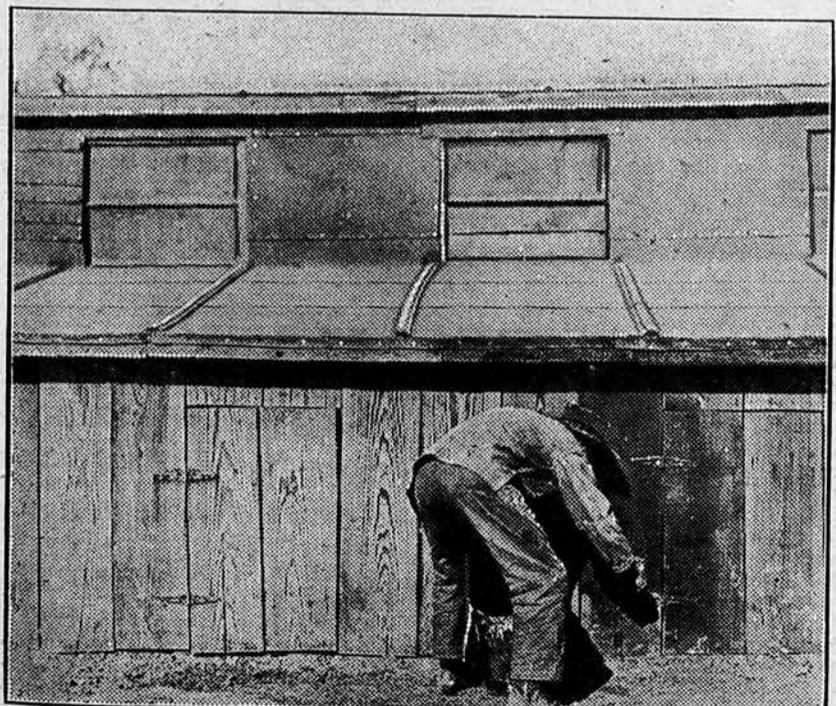
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OVERLAND ALUMINUM SHOES

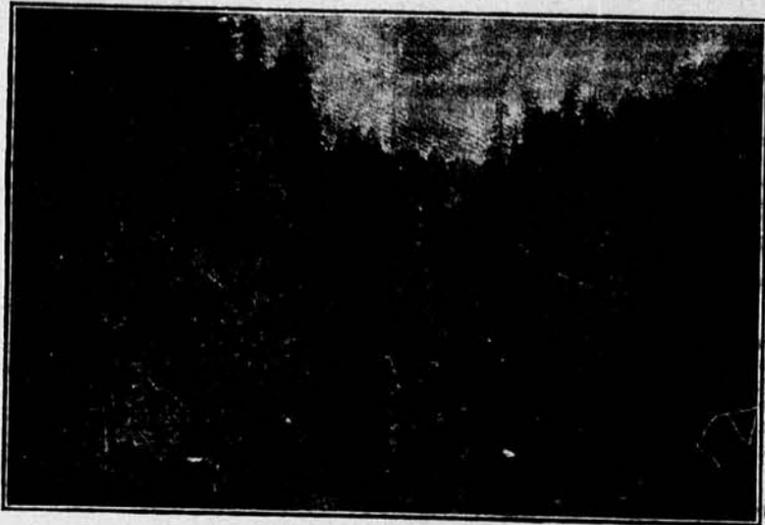
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Water-Proof, Rust-Proof,
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OVERLAND SHOE CO Dept. 1 Racine, Wis.



"It is Not Customary to Paint Hog Houses But We Thought that the Boards Might Last Enough Longer to Pay for the Paint."



Dynamite for the Ditches

The Cost of Moving Dirt Can Be Reduced in Many Cases, Especially Through Hard Soil, by Blasting

CONTRACTORS generally haven't taken hold of the new idea of blasting ditches to any great extent as yet, probably because a contractor considers it necessary always to figure costs very closely before bidding on a job. As a result of widely differing soil conditions, it is difficult to estimate in advance what it is going to cost to blast a ditch.

It has remained for Lee W. Acheson, a Salem, Ore., ditch contractor, to go into this work extensively. He took the contract for digging a ditch 5 2-10 miles long on the Miller Drainage district in Marion county, Oregon.

The Price.

The contract price agreed on was \$1.41 1/2 a rod for digging ditch where the right of way was cleared. The cost of clearing the right of way was to be \$300.

The contract was awarded and the contract price fixed upon as a result of a series of demonstrations by the Watt Shipp Powder company of Salem. This concern was given the contract to supply the explosives.

There were four other bidders for the contract, the bids ranging from \$1.43 up to \$2.65 a rod.

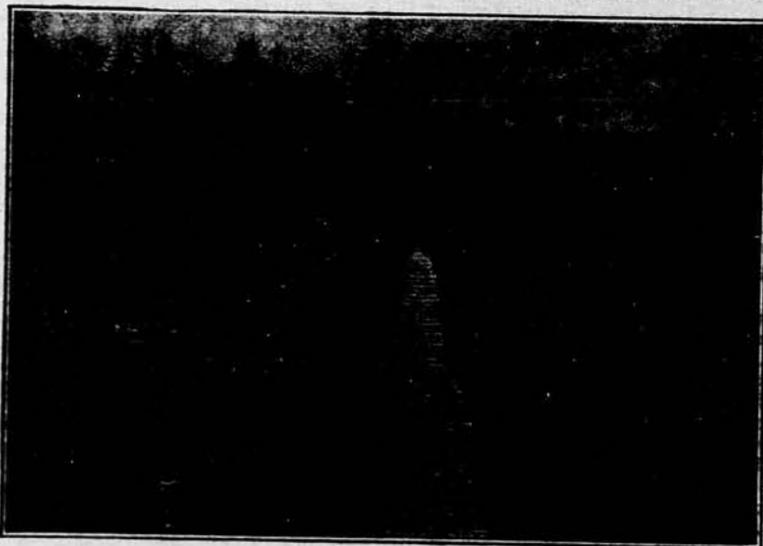
The finished job consisted of approximately 5 miles of main ditch and about 1 1/2 miles of laterals.

A little more than 6,000 pounds of 60 per cent Straight N. G. dynamite was used. One-half a stick weighing a quarter pound was loaded in each hole. The holes were spaced 18 inches apart and were 18 inches deep, excepting where stumps and matted roots were encountered. At such places heavier charges were used. This loading resulted in a ditch 4 feet wide at the top and 3 1/2 feet deep.

More Experience Is Needed.

Doubtless a little experience will enable contractors to estimate the costs of proposed blasted ditches as closely as they are now able to figure on hand and ditching machine work. This point settled, blasting probably will become an established method of digging ditches of dimensions not to exceed 6 feet in depth and 15 feet in width, for there are advantages connected with it that make it worthy of attention.

When labor is scarce, when time is a factor, and when soil conditions, or stumps or underbrush in the right of way, make the use of ditching machines impossible or difficult, blasting can be done with every prospect of success.



When the Conditions Are Such that the Use of a Ditching Machine Is Difficult, Blasting Usually Can Be Done at a Considerable Profit.

Blasting Caps Need Care

Blasting caps are more easily discharged than dynamite. Farmers should be careful in using them in land clearing operations, as they contain the same explosive used in the primer of a shot gun shell, and are highly sensitive and dangerous in the hands of blundering persons.

A few points to remember when using blasting caps or detonators, as they are sometimes called, are given by Carl Livingston, of the department of agricultural engineering, University of Wisconsin:

Keep blasting caps dry and away from steam.

If soap is used to make the connection water tight, it should not contain

much moisture. Common yellow laundry soap is preferable.

Never pick at the white contents of a cap.

When putting the fuse in the cap, have 3 inches at the end straightened so the cap will slide over the fuse with ease. When it stops, exert no further pressure.

Do not crimp the cap with the teeth or an improvised instrument. Use a crimper, made for the purpose.

When hauling, wrap boxes in a grain sack or horse blanket to protect them from sudden jars and jolts.

Never carry blasting caps loose in the pocket, and never leave them loose in the dynamite box where a knife or crimper may strike against them.

As a further precaution, Mr. Livingston

ston has designed a special box for carrying blasting caps. The details of its construction may be obtained upon writing to the department of agricultural engineering, University of Wisconsin, Madison.

Cottonseed For Cattle

BY H. O. ALLISON.

Cottonseed meal is being purchased for winter feeding this year despite its higher price. The low price of cotton after the opening of the war and the reduced acreage and yield of cotton this year tend toward a low supply and high prices of cottonseed and its products this winter. The low price and very successful use last year have so stimulated the demand that they increase the tendency towards the high prices this year. The price a feeder can afford to pay for cottonseed meal or oil meal depends upon the other feeds available, and the ability of the man to get results with these high priced feeds. Careful tests at the Missouri Agricultural Experiment station indicate that the two feeds are of almost equal value ton for ton in fattening two-year old steers, but oil meal is to be preferred for cows if available at the same price.

Although fed largely for the protein or muscle forming material which they contain, these concentrates have been

Before war began in Europe we were spending 67 per cent of our national income on war, past and future. Germany was spending 55 per cent. France and England 35. Why are we so unprepared? Now at one stroke as an entering wedge, we are actually to outdo military Europe, the old Europe that is going to wreck and ruin. This is not "preparedness," it is militarism, and once the big army and the big navy and the munition interests get the government committed to this fatal step, we shall be led as inevitably, as inexorably, as irrevocably to the slaughter as Europe was. There is no other outcome, no matter what our intentions may be now.

of very great value in increasing the digestion. In other words, they give the animal the power to get more out of the feed consumed. The flow of digestive juices is stimulated, and an effect is secured which even such succulent material as silage could not equal. Both should be included in the ration unless the protein can be supplied in some such home grown farm product as alfalfa, clover, cowpeas, or soybeans.

Other factors which influence the relative value of concentrates in rations for fattening cattle include: (1) the desirability of rapid gains, quick finish, the extra high finish and economical gains near the close of a long feeding period; and (2) the market price for feed and cattle. Cottonseed meal stimulates the appetite, thereby inducing rapid gains and a quick finish as well as assisting in maintaining the appetite when the animals are in high condition. It also is true when the prices of feeds and cattle are high that the more efficient rations show a greater commercial advantage than when prices are low.

Get the Garden Ready

Get busy in the garden right now, is the advice of Albert Dickens, professor of horticulture in the agricultural college.

By careful preparation of the soil in the fall, he says, one can have vegetables a week or 10 days earlier than if all the spading or plowing is done in the spring.

"Clear off the ground," says Professor Dickens, "and pile and burn dead peas and tomato vines, lettuce, and other remains of vegetation in order to destroy insects and their eggs harboring there."

"Scatter well rotted stable manure over the garden. It would be difficult to use too much manure. Twenty-five loads may be used to the acre before plowing and 25 more after plowing."

"Plow deep—8 or 10 inches. I never saw a garden plowed too deeply. Plowing under manure has the desirable effect of promoting soil ventilation. Leave the ground rough, so that there will be greater surface on which frost may operate.

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Real Service Is the Rule

The Larger Manufacturing Companies are Making an Encouraging Effort to Help Farming

FARMING is making very rapid progress today as compared with the advancement of 10 years ago. There is a larger appreciation for the successful farmers, and a growing respect for new and more advanced methods. The real basis for this of course is that they have been profitable; they have paid in real cash. This growing belief in the efforts of the leading farmers is the most encouraging thing in the progress of agriculture in Kansas, and it is a hopeful indication of the advancement which can be obtained in the future.

Especially does it seem that farmers are following the example of the leaders in going into livestock and in planting a larger acreage of the legumes. The interest in livestock is well reflected in the demand for institute speakers on livestock subjects—this is far larger than ever, and it is coming from every

farming can be made more profitable and permanent they will get their reward later from the sale of big machinery which the poorer farmers cannot afford. Such returns will come very slowly; the manager of one of these companies recently said that "we may get the money back in 20 years which we are putting into the extension department now, but I doubt if it will be much sooner than this."

These extension efforts have done a great deal to produce a friendly feeling between the farmers and these larger companies; they will bring a more human and friendly relationship. This indicates a better co-operation in the future. The machinery companies are making a great effort to introduce the same public service spirit which is being featured by the leading railroads. They wish to give real service in all de-



F. G. Holden of the Extension Department of the International Harvester Company, Giving a Field Lecture on Alfalfa to Farmers in Oklahoma.

part of the state. The increasing acreage of alfalfa and cowpeas shows that there is a larger belief in the legumes, which indicates that the decreasing crop yields in this state are to receive more attention.

Much of this progress is coming as a result of a definite movement toward a permanent agriculture, which will be much more substantial and profitable than the present systems. This movement has been brought about by an awakening among the farmers themselves, and by the excellent efforts of the outside influences which have helped in the progress of farming. These include agricultural colleges, farm agents, farm papers and rural ministers. They also include some of the big dealers in farm machinery and agricultural products, which deserve far more credit for their efforts than they have so far received.

Many of the big farm machinery companies have spent a great deal of money in their extension departments, from which they have obtained no immediate return. They expected no such reward, but they understand of course that if

partments—the extension section is not alone in this. This is a spirit which farmers are appreciating, too, and it is going to result in more progress for both than when it is lacking.

The achievements of some of the extension departments are decidedly encouraging. For example, the International Harvester company, with P. G. Holden at its head, has done excellent work. This is especially true with the alfalfa campaigns, which have done much to increase the seeding of this important legume. More than this, the additional acreage of leguminous crops in the future which may be traced to the work of this department will be far larger than at present, for it takes many years to get the full results of extension work.

Co-operation and service are features in the operation of the big machinery companies today. They are showing a friendly spirit which is decidedly pleasing. More than that, it is being appreciated, and it is aiding greatly in the progress toward a permanent and profitable farming system.

Says Cattle Are Scarce

In replying to an inquiry sent him by the livestock department of the Farmers Mail and Breeze, J. C. Hopper of the firm of W. I. Bowman & Co., Ness City, Kan., wrote the following letter. This confirms, further, the information shown elsewhere in this issue regarding the visible supply of cattle in Kansas. Mr. Hopper says:

"Answering your favor of the 20th, my observation and inquiry tell me that good cattle are mighty scarce. Judging from my travels of about 6,000 miles over the western country, there are not more than one-fourth the cattle in the country that there were 15 years ago. Western Kansas farmers in the last two years have been replenishing their herds until they probably

have half as many cattle on hand as they had in 1900. Our own county would indicate that we have about 60 per cent and there are more cattle coming in. This is very encouraging.

"Years ago there used to be long horned, spotted, small, fine boned cattle throughout the country in western Kansas. You can hardly find a herd now that does not have a registered male. The man who owns the breeding cattle as a rule will have either a good Galloway, Durham or Hereford. The Hereford cattle are very popular. We realize from 15 to 25 per cent more for this class. An important difference in raising the Galloways and Herefords, in my judgment, is that the Herefords are 25 per cent more prolific.

"The price of cattle is very high. In 1890 I sold 150 head of cattle of as good grade as there was in the country

at that time for \$10 a head. Today I bought 150 good grade Hereford heifers and cows for \$70 a head. Ten years ago everyone was shipping out his calves and heifers and receiving from 2½ to 3½ cents a pound. Today they are receiving from 6½ to 7½ cents. In my judgment it will take 10 years to anywhere near raise the amount of cattle that our own people will consume, which means the price will not decline to any great extent for 10 years to come. The old cow is today, as she always has been in the West, the very staff of life and should be encouraged and taken care of as the miner takes care of his gold."

Water From a Spring

In many parts of Kansas there are springs which will supply water for the house and barn if they are piped properly. This is especially true in the limestone sections, such as in Riley county for example. Such a system of supplying water, from these hillside springs, is very common in the East. The following question and answer, from the Ohio Farmer, tells of the method which is used in that state:

I have a spring 1,400 feet from house with a fall of 6 inches to 100 feet. I know from the study of physics that water will seek a level, but in this case there is friction to be overcome. How much water will flow through a ¾ or 1-inch and 1½-inch pipe an hour? Can you tell me the life of iron and of steel pipe, and of the same when galvanized? Should there be an air pipe occasionally? I have thought of laying a 1-inch pipe and trying it and if it did not give satisfaction I thought possibly a ram would force the water that distance.

With a total fall of 7 feet in a distance of 1,400 feet:

A ¾-inch pipe will deliver.....	Gal. a min.
A 1-inch pipe will deliver.....	2.0
A 1½-inch pipe will deliver.....	3.7
A 2-inch pipe will deliver.....	6.0

Thus it is seen that by adding ¾-inch to the size of the pipe the capacity is practically doubled under the given conditions. The fact is well illustrated that it does not pay to use too small pipe in conveying water over long distances.

For the case in question I would not use less than a 1½-inch pipe. A 1½-inch pipe will cost about 9 cents a foot and a 2-inch pipe about 11 cents. While the smaller pipe might give perfect satisfaction, the larger pipe will not become clogged so easily and air pockets will not form so readily.

In such a great length of pipe it is essential that it be laid on a perfect grade. If there is even a slight rise in any part of the pipe, air will collect and tend to stop the flow of water. If laid on an even grade no air pipes are necessary. If water should ever cease to flow because of stoppage in the pipe, the obstruction, whether it be air or other foreign matter, can usually be driven out by attaching 10 or 15 feet of vertical pipe at the spring and pouring in several buckets of water by means of a large funnel.

The pipe most commonly used for this purpose is black or galvanized iron. The latter undoubtedly has a longer life and until recently has cost but little more. The price is now advancing, however, and it becomes a question as to whether it is worth the extra cost. While it is difficult to estimate the life of a water pipe, either kind ought to last 15 to 30 years.

The use of an hydraulic ram will not be necessary if the pipe used is as large as specified. H. C. Ramsower.

Ohio State University.

A Plea for the Farmer

In his recent book "Land Credits, a Plea for the American Farmer," Congressman Dick T. Morgan discusses interestingly and intelligently a subject uppermost in the minds of farmers everywhere. Upon every page there is information and inspiration. While making "A Plea for the American Farmer," the author has a message for every patriotic citizen. He is logical, forceful and convincing, but manifests a spirit of fairness, a sincerity of purpose, and a degree of earnestness which command and hold the attention of the reader. The failure of the 63rd Congress to pass a land credit bill was due largely to disagreement among members of Congress. When the 64th Congress convenes in December the contest will be renewed. Congressman Morgan's book covers the whole controversy, and its influence will be felt in the final settlement of the question. It is published by Thomas Y. Crowell Company, New York, for \$1.50.



PEACH SNOW BALLS

Soak ½ envelope Knox Sparkling Gelatine in ½ cup cold water 5 minutes and dissolve in ½ cup boiling water. When dissolved add 2 tablespoons lemon juice. Strain, cool slightly, and add 1 cup canned peaches, apricots or pineapple, pressed through a sieve. When mixture begins to stiffen, beat, using a wire whisk, until light; then add whites of 3 eggs beaten until stiff, and beat thoroughly. Turn into molds. 1 pint whipped cream may be used in place of whites of eggs.

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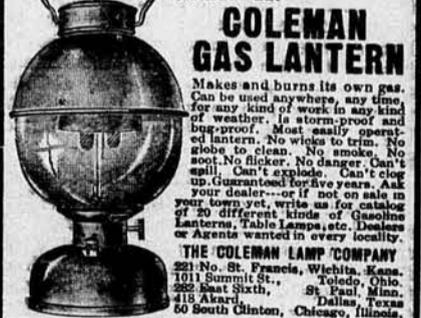
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When It's Your Turn to Carve

A Well Set Table Will Help Guests Enjoy the Meal

BY ELIZABETH J. AGNEW
Fort Hays Normal School



Table Set for Dinner at Fort Hays Normal School. Bouillon Cups Are Shown on Plates.

NEATNESS, order, cleanliness, and consideration for others are the principles underlying all rules for table service. It is not always necessary to know the latest fad in table etiquette, for the correct thing is usually the thing that will be the simplest and most convenient for your guests.

The first step in setting a table properly is laying the silence cloth, a pad of table felt or heavy white cotton blanket. This is stretched smoothly, the edges turned under the table and fastened securely at the corners with safety pins. The tablecloth is laid over the silence cloth perfectly smooth, straight and even, with the center fold exactly in the middle of the table. A small fern, a few cut flowers, or a dish of fruit in the center of the table adds greatly to its attractiveness. The flowers should not be tall enough to interfere with the view across the table, and should harmonize with the main color in the meal. For example, purple asters would not look as well on the table when the menu included tomatoes, beets and cherries as would a vase of red or white flowers. A little thought in matters of this kind helps to make housework interesting.

Plates are placed right side up 1 inch from the edge of the table. The knife is laid at the right of the plate with the sharp edge toward the plate; the forks, tines up, at the left of the plate. Spoons should be at the right of the knife in the order in which they are to be used, the one to be used first being farthest from the plate. The silver should be the same distance apart and the ends of the handles in line with the lower edge of the plate, 1 inch from the table edge. The water glass is placed at the tip of the knife and the bread and butter plate at the tip of the fork. The napkin, folded square, is laid at the left of the fork with the open corner toward the handle of the fork. A salt and pepper shaker should be set between every two guests in line with the upper edge of the bread and butter plates.

Have the Plates Hot.

It is equally correct to have the food served at table by the host or the hostess, or to have the plates for every course brought in ready served from the kitchen. A compromise between these two styles of service is often used. Water glasses should be filled and butter balls placed on the bread and butter plates the last thing before the meal is announced. Dishes for hot courses should be hot, and for cold courses, cold. Heat plates in hot water or in the warming oven. Plates for frozen desserts should be chilled in the ice box.

The following menu was served recently by four girls in the home economics department of the Fort Hays Normal school, one of the girls acting as waitress.

- | | |
|---------------------|------------------------------|
| Bouillon | Sippets |
| Roast Loin of Beef | Brown Gravy |
| Mashed Potatoes | Harvard Beets |
| Cranberry Jelly | Butter |
| Shamrock Rolls | Waldorf Salad in Apple Cases |
| White Fruit Cake | Wafers |
| Pineapple Gelatine | Coffee |
| Candied Orange Peel | |

This dinner was served in the compromise style, but little points like the side on which to set coffee cups or to pass dishes is the same in either of the

others. When the guests are seated, bring in the bouillon (or soup) in cups, one in each hand, and go to the right of the hostess, or the guest of honor, placing the cup directly in front of her on the small service plate, which should be on the table at the beginning of the meal. Go to the right of the next guest and place the cup in the same manner. Bring in two more cups in the same way, continuing till all are served. Sippets, which are small squares of toasted bread, may be on the service plate when the guests are seated, or may be piled on a plate and passed by the waitress, going to the left of the one served and letting each guest help himself. The bouillon cups are removed on the service plate in the manner in which they were placed. If soup plates or bowls are used instead of bouillon cups, they should be placed on service plates also.

The warm plates are next brought in and placed in a pile in front of the host. The carving knife and fork should be already in place. Then bring in the meat platter and place it in front of the pile of plates. Have a folded napkin under the platter to protect the hand, and as you place it on the table, slip the napkin out. Bring in the dish of potatoes and set it at the left of the platter. The waitress then stands at the host's left, and as he fills a plate, takes it and places it on the table in front of one of the guests, setting it down from the right. After all are served in this way, bring in the dish of beets on a tray or on a folded napkin in the left hand. Place a spoon in the dish and go to the left of every guest, letting him help himself. Return the dish to the kitchen when all have been served. Pass rolls on a plate in the same way, and then the cranberry jelly. Do not begin with the same guest every time. See that bread is passed as often as necessary and that water glasses and butter plates are supplied. When this course is finished, remove the meat platter, then the potato dish, and then the plates, one in each hand.

The Hostess Serves Dessert.

Serve the salad from the kitchen, bringing a plate in each hand, and setting it down from the right of the guest. After the salad plates are removed, take away the bread and butter plates and the salts and peppers on a tray, and crumb the table, using a folded napkin and a plate. Bring in the gelatin garnished with whipped cream and place it in front of the hostess, with a spoon for serving, and the dessert plates. As the hostess serves the dessert, pass the plates as the plates for the meat course were passed. Then bring in the coffee pot and place it on a stand at the hostess' right, and bring in the cups and saucers. As the coffee is poured, take a cup to every guest, setting it on the right of the dessert plate. If the hostess does not serve the cream and sugar in the coffee, pass them on a tray to the left of the guests. Pass the cake on a plate.

This meal could be served easily without a maid. The bread plate and butter dish would be placed on the table, one on each side. The plates could be passed by the guests themselves after the host served them, and the beets could be served at the table by a member of the family. A member of the

family could carry out the soiled dishes, bring in the next course, and then quietly take her place at the table again.

Is There Any Divorce In This?

Though I speak with the tongues of men and of angels, and have not love, I am become as sounding brass and a tinkling cymbal.

And though I have the gift of prophecy, and understand all mysteries and all knowledge; and though I have all faith, so that I could remove mountains, and have not love, I am nothing.

And though I bestow all my goods to feed the poor; and though I give my body to be burned, and have not love, it profiteth me nothing.

Love suffereth long, and is kind; love envieth not, love vaunteth not itself, is not puffed up.

Doth not behave itself unseemly, seeketh not her own, is not easily provoked, thinketh no evil.

Rejoiceth not in iniquity but rejoiceth in the truth.

Beareth all things, believeth all things, hopeth all things, endureth all things.

Love never faileth; but whether there be prophecies, they shall fail; whether there be tongues, they shall cease; whether there be knowledge, it shall vanish away.

When I was a child I spake as a child, I thought as a child, I understood as a child; but when I became a man I put away childish things.

Now we see through a glass darkly, but then face to face; now we know in part, but then we shall know even as also we are known.

And now abideth faith, hope, love, these three; and the greatest of these is love.

A New Whisk Broom Holder

This whisk broom holder is attractive, made of heavy tan linen embroidered in coral, green and black. The flower petals should be coral, the leaves, stems, and centers of flowers green, and the French knots around the flower centers black. A circle of cardboard should be covered with linen for the back and a straight strip for the front, the edges



15-10-24—Made of Tan Linen.

finished with tan cord, and an ivory ring put at the top. The pattern for this whisk broom holder, No. 15-10-24, can be obtained from the Mail and Breeze Pattern Department, price 10 cents.

Have Some November Shortcake

In the last issue of the Farmers Mail and Breeze a reader told of having ripe strawberries the middle of October, so I have decided to tell you what I have done with 20 plants of the Progressive Ever-Bearing variety. I set them out about the middle of last April, and we have had all the berries we wanted for a family of four all summer. Today (November 8) I picked a two-quart basin full. That, I think, is something unusual—having strawberry shortcake fresh from the vines in November. They have yielded about a gallon a week all summer. We never again will take up our time and ground with a kind that bears only one crop a year.

Mrs. Jim Countryman.
Axtell, Kan.

HOME DRESSMAKING

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

The pattern for shirtwaist 7420 is cut in six sizes, 34 to 44 inches but measure. Skirt 7053 may be cut in three or four gores. Six sizes, 22 to 32 inches waist measure.



The little kimono 7401 is in six sizes, for children 4 to 14 years. Princess slip 7402 is in five sizes, 4 to 12 years. Dress 7425 has long or short sleeves and a four-gore skirt. Seven sizes, 34 to 46 inches bust measure.

USE THIS COUPON FOR PATTERN ORDERS.

The Farmers Mail and Breeze, Pattern Department,
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BE SURE TO GIVE NUMBER AND SIZE.

Books For Housekeepers

"The Something Different Dish," by Marion Harris Neil, cookery editor of the Ladies' Home Journal, is a little book of recipes that will appeal strongly to hostesses who pride themselves on serving delicacies a bit out of the ordinary. The "something different" applies to the names of the dishes as well as to the recipes themselves and some of them, as "Singing Hinnies," "Love Wells," "Kickshaws" and "Fairy Bread," are enough to fill any "natural born cook" with a desire to get out in the kitchen and try them. "The Something Different Dish" is published by David McKay, 604-8 South Washington Square, Philadelphia. The price is 50 cents.

A book sure to be a boon to Ladies' Aid societies or other organizations interested in raising money is "Money Making Entertainments for Church and Charity," by Mary Dawson. More than 100 plans for fairs, socials and suppers suitable for various seasons and places are given. Many of these could be adapted easily to home parties. "Money Making Plans for Church and Charity" is published by David McKay, 604-8 South Washington Square, Philadelphia, Pa. The price is \$1.

The Boy With a Dirty Face

BY DR. LYDIA A. DE VILBISS.

The child requires only a few weeks to attain maturity, the dog only a few months, and the calf 3 or 4 years. For the child, a period of development extending over 25 or 30 years is needed before he takes on the form and figure of the adult human. During this time he follows the course which has been traversed by the race. As he develops, he drops some traits and takes on others. Primitive man was rough and ready. He had to wade through mud, which he smeared on his body for protection. Only very slowly did he come to acquire a liking for cleanliness and neatness. So the child, with the instinct of the primitive man, takes pleasure in smearing himself with mud and takes delight in wading in dirty puddles of water. He abhors the thoughts of washing his face and hands because he has not yet developed a liking for neatness and cleanliness.

Grown-ups could not be induced to disport themselves in mud puddles, and they are likely to be disgusted with dirty children. Surely they never played in dirt! But they did if they were normal children. Like all other children, they passed through the dirt stage on their way upward. Because grown-ups have forgotten this stage in their own development, they sometimes fail to exercise sufficient patience with the dirty little savages. They give themselves over to scolding and nagging because their children will not keep themselves clean. Nagging and scolding are more irritating than reforming; shaming is worse than useless, for the child has not yet developed the mechanism with which he can be ashamed of dirt.

While Nature has made the child indifferent to dirt, she has also made him sensitive to pleasures. By responding to those things which give him pleasure, the child learns to do the thing which is required of him in order to get what he desires. Nature needs the assistance of parents and teachers, and all those who can lend a hand to help the young folks outgrow the traits of primitive life. But it is a struggle, an unending struggle, for the child and for the adult to advance on the ladder of development.

Can You Tell Good Coffee?

BY FRANK G. CARPENTER.

Down in the coffee country of Brazil I heard many stories of the ability of coffee tasters to detect differences in the flavors of the coffee. They are particular as to their surroundings. One of them, for instance, will not allow tobacco of any kind to be smoked in his tasting room, for he says the smell affects his judgment of the coffees. The other day this man had something like 100 varieties to pass upon. He had tasted three or four cups when he said that some one had been smoking a cigarette in the room. The clerks were called up and examined, but every one of them denied that he had been using tobacco. The man again began tasting, but stopped, insisting that there was cigarette smoke somewhere about. The clerks insisted in their denials, and finally one of them said he would go outside and see if there was not some cigar smoke near by. He then went to the engine room underneath and found that the engineer had been smoking a cigarette that morning and that some of the smoke might have passed up through the floor in which was a knot hole the size of my thumb.

The coffee served in the restaurants of Brazil is excellent. It is sold in small cups about the size of an after-dinner coffee cup and is commonly drunk without cream or milk. One of the authorities gives the following requirements for making good coffee: The beans must be well roasted, not underdone and not burnt. After that they must be ground fine and the powder placed in a clean cotton bag over the coffee pot. Fresh boiling water must then be poured in, and the vessel containing the mixture must be kept in a hot place during the pouring. This should last from three to five minutes. Coffee is not good if it is made in over-boiled water, and it will not be good if the water is not at the boiling point when used.

The only way to be sure of getting good coffee is to buy it in the bean and brown and grind it yourself. A great deal of ground coffee is adulterated. You can sometimes tell whether this is so

by throwing some of the powder into a glass of water. Pure coffee will float and the adulterated material will sink. Coffee is sometimes colored with bluing or indigo. You may learn if this is so by putting the coffee into tepid water. If the water is discolored the coffee is not right.

There are factories all over the world that make coffees that are more or less adulterated. There were 1,500 such factories in Europe, before the war began, and with the higher prices since then the number has probably increased. In 1905 Italy had 23 factories that made coffee substitutes, and Austria-Hungary had no less than 412 making fig coffee alone. Of these 142 used chicory and 14 used barley. In Germany before the war there were 723 factories making imitation coffee, while in Belgium similar establishments were producing 120 million pounds of such coffee per annum. (Copyright by Frank G. Carpenter.)

The Ladies Aid Makes Money

Our bazaar, which is held several weeks before Christmas, is one of the great sources of profit in our Ladies Aid society. The society meets every two weeks for an all-day meeting at the home of one of its members. The hostess serves a simple dinner. The women sew for the society unless the hostess wishes them to sew for her, in which case they charge her 50 cents for the day's work. Sometimes they find it necessary to sew on other afternoons to finish up their work.

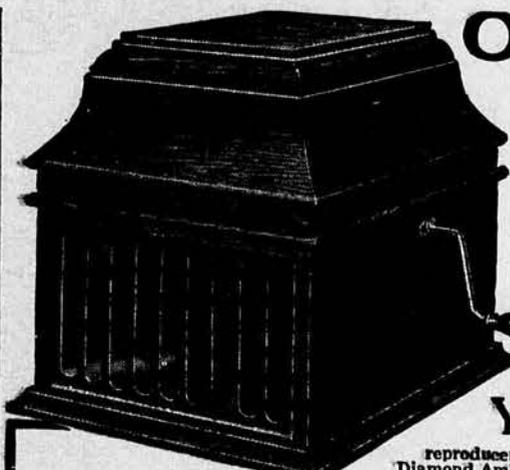
The society found that by taking the girls of the neighborhood from the ages of 10 to 21 years and organizing them into a society under the management of the Ladies Aid is a benefit to the society and to the girls. The society appoints two of its members who are tactful as well as skillful with the needle to work with and teach the girls. The society furnishes the material. Some do crocheting, some tatting, some embroidery. The girls are learning to do this, although often the busy mother does not have time to teach them or perhaps cannot do the work herself. Many of the girls become so interested in their work that they take it home and work at it. At the bazaar the girls have all their work in a booth, prettily arranged. A candy booth is also managed by the girls. A committee is appointed and they solicit for homemade candy; and they never have had any left. The boys are not left out, but are called on to furnish and sell the popcorn.

One of the sale tables is for aprons, and several look forward to securing their aprons at this time. Then they have a booth where underwear is sold, both for women and children. A general table is of great value. A committee secured donations of potatoes, apples, butter, eggs, chickens, honey, herbs, fruit, or other things. Many have to buy these things, and would just as soon get them here where they are fresh. Then there is a food table, for which some special soliciting is done. A supper is served during the evening, and often there are pies, cakes, or bread left. These are put on the food table.

In the spring each woman plants one or two dozen hills of potatoes and two or three hills of pumpkins or squash, cares for them, and gives them to the society. They can be sold, or barreled and sent to the hospital or orphanage the society is helping support. G. B. Wamego, Kan.

Thanksgiving

I've been countin' up my blessin's, I've been summ'n' up my woes,
But I ain't got the conclusion some would nat'rally suppose;
Why, I quit a-countin' troubles 'fore I had a half a score,
While the more I count my blessin's, I keep findin' more and more.
There's been things that wa'n't exactly as I thought they'd ought to be,
An' I've often growled at Providence for not a-pettin' me!
But I hadn't stopped to reckon what the other side had been—
How much o' god an' blessin' had been thickly crowded in.
For there's been a gift o' sunshine after every shower o' tears,
An' I've found a load o' laughter scattered all along the years.
If the thorns have pricked me sometimes, I've good reason to suppose
Love has hid 'em often from me 'neath the rapture of th' rose!
So I'm goin' to still be thankful fer the sunshine an' the rain,
Fer the joy that's made me happy; fer the purgin' done by pain;
Fer the love o' little children; fer the friends that have been true;
Fer the guidin' hand that's led me every threatenin' danger through!
—Lewis A. Tubbs.



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YES, the great New Edison with the new Diamond Stylus reproducer and your choice of all the brand new Diamond Amberol Records will be sent you on free trial without a penny down. The finest, the best that money can buy at prices very, very much less than the price at which imitations of the genuine Edison are offered—a rock-bottom offer direct from us. Send coupon now.

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WHEN you enter your soap in the contest being conducted by this paper, be sure that it is perfect by using Lewis' Lye.

Your grandmother and your mother made their own soap because they could not buy it. You should make it because it is much cheaper and because you know it is pure.

You know that the grease that goes into it is clean—that there are no adulterants, and if you use

Lewis' Lye

The Standard for More than Half a Century

you know that the grease is perfectly saponified—this means **no free alkali**. In short, your home-made soap is the same as your mother made and that you used when you were a kiddie. Lewis' Lye is the same as it was sixty years ago, just as pure, just as strong, just as reliable. You take no chances of ever spoiling a batch of soap. **Write to us and we will tell you how to make real prize winning soap.**

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Manufacturing Chemists Dept. 1 PHILADELPHIA, PENN.

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Upright Furnaces furnished when desired that burn any kind of fuel.

Save Forty Per Cent of cost and one-third of fuel by buying Bovee Furnaces. Write for free catalogue.

BOVEE FURNACE WORKS, 188-8th St., Waterloo, Iowa

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Hundreds of amazing bargains! Write now for free copy of our new catalog, with life-like pictures of harness, saddles, bridles, blankets, bits, etc.

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Here's a dandy extra heavy copper riveted halter, 1 1/2 inch wide, sells for \$1.50 everywhere; our special offer—**\$1**

We Prepay the Freight

Save you from 30 to 50 per cent, guarantee our goods for two years, refund on the minute if goods don't suit you. Send goods with privilege of examination. Get catalog TODAY—it's free for the asking—and see our wonderful direct-from-maker bargains.

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Oil Wear

How often do you stop for oil?

YOU may be sure of this: An oil that "wears" poorly lubricates poorly.

For the next 500 miles note down the quantity of oil you use.

Then clean out your motor. For the following 500 miles use the grade of Gargoyle Mobiloils specified for your car in the Chart on this page. Again note the quantity consumed.

The result will demonstrate the superior "wear" of the correct grade of Gargoyle Mobiloils. To many motorists the difference is astonishing.

What accounts for it?

It is due partly to the oil's lubricating efficiency, which remains unimpaired under the heat of service, and partly to the correct-

ness of the oil's body, which assures an adequate supply to all working parts and a perfect seal between pistons and cylinder walls. With a perfect piston seal, fuel gases cannot blow past the piston rings, destroying the oil film and wasting power; nor can undue quantities of oil work into the combustion chambers and form troublesome carbon deposits.

At the left we print in part our Chart of Automobile Recommendations. For a number of years, this Chart has been the motorists' standard guide to scientifically correct lubrication.

If your car does not appear in the partial Chart on this page, we will gladly mail you a complete Chart on request.



Mobiloils

A grade for each type of motor

In buying Gargoyle Mobiloils from your dealer, it is safest to purchase in original packages. Look for the red Gargoyle on the container. For information, kindly address any inquiry to our nearest office.

CORRECT AUTOMOBILE LUBRICATION

Explanation: The four grades of Gargoyle Mobiloils for gasoline motor lubrication, purified to remove free carbon, are:

Gargoyle Mobiloil "A"
Gargoyle Mobiloil "B"

Gargoyle Mobiloil "E"
Gargoyle Mobiloil "Arctic"

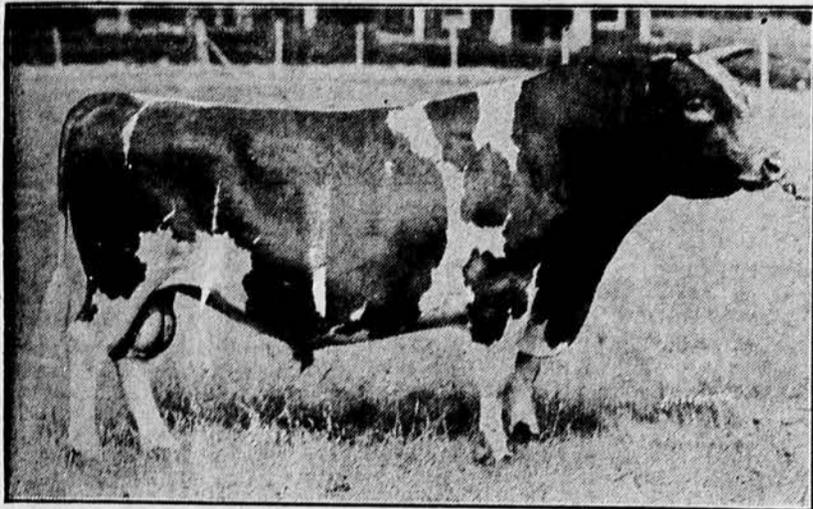
In the Chart below, the letter opposite the car indicates the grade of Gargoyle Mobiloil that should be used. For example, "A" means Gargoyle Mobiloil "A." "Arc" means Gargoyle Mobiloil "Arctic," etc. The recommendations cover all models of both pleasure and commercial vehicles unless otherwise noted.

MODEL OF CARS	1911		1912		1913		1914		1915	
	Summer	Winter								
Albion Detroit	A	Arc								
American	A	Arc								
Apperson	A	Arc								
Buick (6 cyl)	A	Arc								
Avon (Model C) 1 Ton	A	Arc								
Buick	A	Arc								
Dodge (6 cyl)	A	Arc								
DeSoto	A	Arc								
Chrysler	A	Arc								
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Sires For the Dairy Herd

Final Article in Series on Judging Milk Cattle

BY GILBERT GUSLER
Ohio State University



Capacity, Masculinity and Symmetry as Manifested in a Guernsey Bull. This Animal is the Sire of Several High Producers.

IT IS more difficult to form a reliable judgment of dairy bulls by their conformation than it is of dairy cows. But skill in judging bulls is even more important than the judging of cows, because most of the improvement in dairy cattle must come through grading up with high-class purebred bulls. The bull's probable ability to transmit heavy milking tendencies to his female offspring is determined by an examination of his pedigree and the production records of all females closely related to him.

Physical attributes similar to those emphasized in the dairy cow must be manifested in the bull. There must be signs of strong constitution. Such signs are depth, width, and fullness of chest; largeness of nostrils; and ruggedness of appearance as a whole. The barrel capacity naturally will not be so great as that of the dairy cow and the wedge form from the side view will be less marked. Likewise, the hips will be somewhat narrower. Yet, there should be no lack in spring of ribs, in strength of those head features that are indicative of digestive capacity, and of efficiency of digestive organs as reflected through the skin and hair.

The animal should be strongly masculine which requires a stylish, commanding carriage and look of vigor and resoluteness, with a strong, even burly head, and large development of crest on neck.

Freedom From Excess Beef Desirable.

Freedom from excess beef is necessary as evidence of proper dairy temperament. There will be great muscularity but no excess fat. The great crest of the neck will result very often in some thickness of withers, but thin ones are preferred.

As indications of the udder development in his female offspring, the rump is to be given especial attention. The thighs should be trimly cut out for the same reason.

The rudimentary teats are supposed to indicate the placing of the teats on the udders of his heifers, consequently, they should be placed forwards, well apart, and hang level. They should be of good size also. The rudimentary mammary

veins should be long, fairly large, and enter easily-detected orifices. Of course they will be much smaller than in cows.

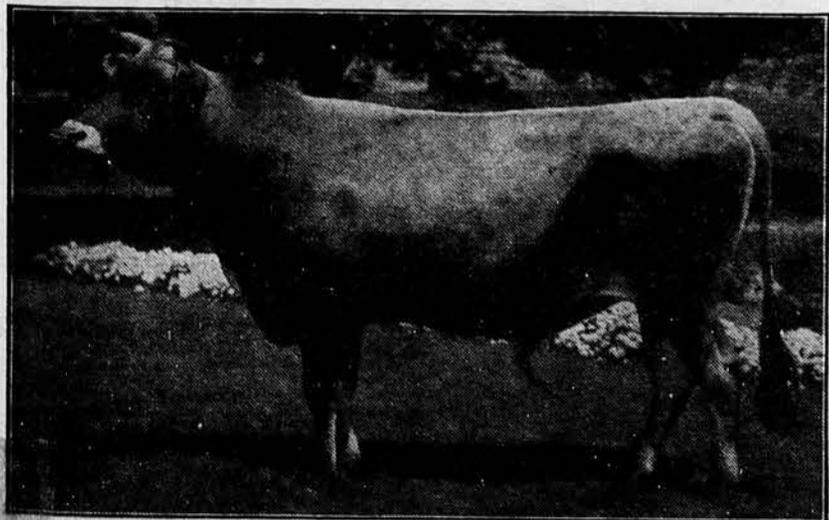
Besides these requirements, attractiveness, symmetry in form, and evidences of quality throughout will add to the bull's value.

Temperament Is Important.

Temperament as used here must be distinguished from disposition. While the two are related, they are not identical. There are irritable, fretful, nervous, excitable, stubborn, dispositions and gentle, docile, manageable ones. Two temperaments are distinguished in cattle, the phlegmatic and the nervous.

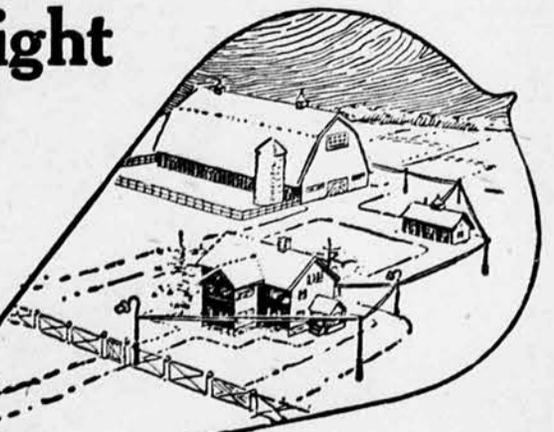
The phlegmatic is characteristic of beef cattle and is marked by slow movements, and a preference for inactivity, which results in the animal laying on flesh. The nervous temperament is characteristic of the dairy animal and means a strong nervous system, which drives the other systems to their utmost effort. The nervous temperament causes quick movements, high vitality, and activity, or the tendency to work, which in the cow, is directed toward the gathering and consuming of feed. If she is equipped with a large milk-making apparatus, or udder, she transforms her feed into milk, instead of making fat or flesh.

Proper dairy temperament will be indicated, therefore, by an active stylish carriage of the head and body, by an alert but placid expression of the eye, by a ready response to surroundings, and especially by the absence of any tendency to lay on flesh. The tendency to lay on flesh is first observed in the thighs, withers, along the back and rump, and in the neck. In disposition the animal should be gentle and manageable rather than irritable and nervous in the objectionable sense. The animal having a nervous disposition wastes feed by undue expenditure of energy, but the cow that does not possess a nervous temperament wastes feed, from the dairy standpoint, by packing it on her back. Neither cow is an economical producer of milk.



Choose the Bull Carefully. This Jersey Bull Possesses Numerous High Producing Descendants and Is of Splendid Type.

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is complete when it comes to you—just as here illustrated—generator, storage batteries and switchboard. It can be placed anywhere that is convenient for hitching up to your gas engine. Run your engine a few hours twice a week and it will generate and store up in the batteries all the electricity you need. Costs little or nothing to maintain, except for engine fuel. No trouble. No danger. Guaranteed by the makers of the Bell telephones. Paste the coupon on a postcard and address it to our nearest house for illustrated booklet.

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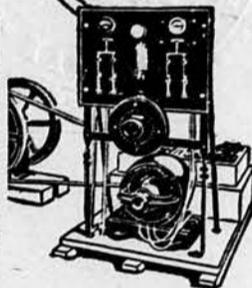
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| New York | Atlanta | Chicago | Kansas City | San Francisco |
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Please send me, AT ONCE, illustrated booklet, No. FB-13 on your Electric Farm Lighting Plant.

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A Jump in Her Record

Most every herd has one or more cows that seem sluggish and low in yield without any apparent reason. In many cases this may be due to some vital organ becoming overworked. Proper treatment is needed to build up the system and fortify the cow against serious disease.

If you have such a cow, buy a package of Kow-Kure from your feed dealer or druggist and use according to directions. You'll be surprised at the difference it makes in her general health and milk yield. Kow-Kure is especially recommended as a preventive and cure for Abortion, Barrenness, Milk Fever, Scouring, Lost Appetite, Bunches and other common ailments.

Write for free Treatise, "The Home Cow Doctor."

DAIRY ASSOCIATION CO.
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Save High Lifts
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For selling 12 boxes White Cloverine Salve at 25c per box. Give beautiful picture free with each box. Everybody buys 2 to 3 boxes when you show pictures. Send for one dozentoday.
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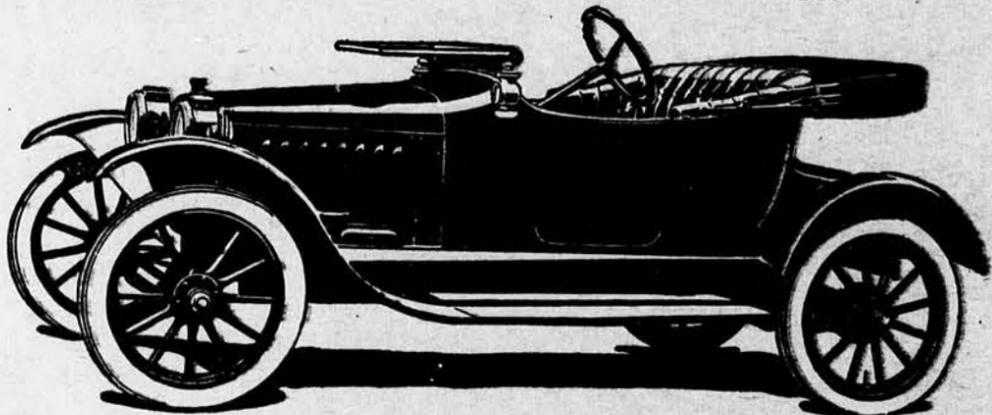
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FREE!
We have arranged to give away 5,000 of these handsome, guaranteed watches and fobs on the most liberal premium offer made. This is a dependable time piece that any man, woman, boy or girl will be proud to own. It has a beautiful gold plate or gun metal finish, stem wind and stem set, open face fully guaranteed for one whole year. Each watch comes in special box carefully packed. Has beveled crystal over pure white dial with hour, minute and second hands. One of the most beautiful and dependable moderate priced watches made.

We will give away 5,000 of these guaranteed watches just to further introduce our great farm and home magazine, THE VALLEY FARMER, a 20 to 40 page monthly filled from cover to cover with articles and departments of interest to all the family. Regular subscription price 25 cents a year. Send ONE DOLLAR to pay for a SIX YEARS subscription to our paper and we will send you one of these elegant watches ABSOLUTELY FREE. Or, get up a club of four one-year subscriptions at 25 cents each, send us the names and \$1.00 and we will send YOU the watch FREE for your trouble. Address at once VALLEY FARMER, Dept. D. W. 16, Topeka, Kan.

SAXON ROADSTER \$395

Costs less to run than horse and buggy



Ask any Saxon driver

"Absolutely the finest two-passenger car at anywhere near the price"—that's the verdict of Saxon owners everywhere on their New Series Saxon Roadsters. From all over the country come such statements as these:

"The Saxon Roadster is certainly a wonderful car. We prefer to ride in it rather than in large cars."
F. A. Morris, New York

"My Saxon is most satisfactory. Its simplicity and size make it especially convenient for a woman to handle."
Clara A. Roakus, Detroit

"The more I drive the Saxon the better I like it. Last week I made a 380 mile trip with it at an actual expense of \$1.95."
H. C. Schultz, Concordia, Kan.

"I have driven the car for thousands of miles and have yet to see the hill it would not take on high."
C. B. Adams, Monroe, N. C.

"It is a perfect charm, smooth running and an easy rider. Greatest small car I ever sat in."
J. F. Jarrard, Greensburg, Ind.

"Today the Saxon is the car of the rich and poor alike. It has come to stay, and I will always own a Saxon. I have driven enough to know how reliable it is everywhere."
Fr. McCabe, St. Columbus Rectory, Stoneboro, Pa.

Think what Saxon offers for \$395

—Saxon motor of amazing power, economy and flexibility; Atwater-Kent ignition; honeycomb radiator, handsome, roomy streamline body, dry plate clutch,—everything sound and good, tried and proved.

Why not experience the joys of motoring at minimum cost—half a cent per mile—just as 35,000 other Saxoners are doing? See your Saxon dealer and arrange for your Saxon ride. "Saxon Days", with information about the New Series Saxon cars sent on request. Address Dept 23.

High speed motor, 15 h. p.; three-speed sliding gear transmission; Timken axles; Hyatt quiet bearings; new body, handsome, roomy; vanadium steel cantilever springs; signal lamps at sides; ventilating windshield. (Electric starting and lighting system, \$50 extra.)

New Series Saxon "Six" \$785

If you want a car for the whole family, buy a New Series Saxon "Six"—at \$785—with powerful economical 6-cylinder high speed motor; roomy yacht-line body for 5 big people—112-inch wheelbase; Timken axles and bearings; two-unit starting and lighting system of utmost efficiency, etc.



"Four" Roadster With detachable Coupe top Delivery Car \$395 455 395

"Six" Touring Car With detachable Limousine top "Six" Roadster \$785 935 785

Saxon Motor Company, Detroit

Sudan Grass For Pasture

Is Sudan grass a good crop for pasture? Will it poison stock? C. O. THOMAS, Zurich, Kan.

Sudan grass has been pastured in a number of instances in the same manner as any of the other sorghums with very good results. It is a better pasture plant than the coarser sorghums because when closely grazed it has a tendency to send up many new shoots, and these form a sod which is less injured by close grazing and tramping than the roots of other sorghums used for pasture.

I have not heard of any case of prussic acid poisoning from Sudan grass pasture. It must be remembered that the crop has been grown on a field scald only during the last two seasons, and the most of the fields have been used for hay or seed. There is very little cause for hesitation in pasturing it. The experiment station at Dodge City, Kan., has used Sudan grass pasture for two years without any bad results. Several of the southern experiment stations report similar success. Since there has been so little pasture experience with Sudan grass it is well to use the same precautions in grazing stock on it that one would use with the other sorghums. If there is any evidence of poison, one of the less valuable animals should be turned on the field for a day or two to test the matter.

The results from Sudan grass indicate that it will become the most valuable annual forage plant in the Plains section for both pasture and hay.

R. Kenney, Kansas State Agricultural College.

High Yields From Sorghum

The high yields which have been obtained from the Kansas Orange sorghum is a feature in farming this year in eastern Kansas. This crop is especially well adapted to the conditions in the eastern third of the state. In speaking of the crop results in Lyon county, H. L. Popenoe, the county agent, recently said:

"The men who tried Kansas Orange sorghum are satisfied with the results, and will adopt it as a silage crop hereafter. African kafir planted this year shows a much more even height, but as one farmer said, 'I will have to admit that the college seed beats it.' The White Hulled White kafir has made a good showing, both in yield and earliness, and will be more extensively grown next year all over the county. This variety has been grown around Olpe for several years. Kafir seems to be unusually free from smut this year, and the Corn Ear worm is not so plentiful as usual."

The October News Letter of the college extension service says that "the men who used Kansas Orange sorghum in silage tests this year were very much pleased with the yields obtained, and they expect to use this crop for silage in the future. One farmer reports having filled a 130-ton silo from a field of 6 acres of Kansas Orange sorghum on upland soil. Another farmer states that sorghum produced twice as much as corn."

E. J. Macy of Independence, county agent of Montgomery county, reports that a silage test in his county gave these results:

Crop	Tons an acre
Black Hulled White kafir	6.18
Red kafir	8.62
Corn	7.50
Kansas Orange sorghum	12.97

A Pig Story Correction

Figures never lie, but sometimes they unintentionally misrepresent. In the story of an alfalfa pasturage experiment in pig feeding at Ames, Iowa, published in the Mail and Breeze of November 13, cost of grain was duplicated and given as profit. The paragraph should have read this way:

"Group 3 on free feed of shelled corn ate 361 pounds of corn and 11 pounds tankage for each 100 pounds gain but the final weight was 185 pounds. Cost of grain for each 100 pounds gain was \$4.79 and profit \$3.16 a pig."

The Explanation

Little 3-year-old Glenn started to go out a door that was locked. He wanted at it manfully for a moment, then walked with dignity to another door, saying, "I dess I'll do out dis door; dat one's in a hard knot!"—Woman's Home Companion.

An Opportunity

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When writing to advertisers mention the Farmers Mail and Breeze.

Co-operation Is Growing

A better union is needed among the farmers of the state, and considerable progress is being made every week along this line. Most of the local co-operative associations are making excellent profits, and they have satisfied members. Here are some notes taken from the last issue of the American Co-operative Journal, which tells of this progress:

Hoxie—The Farmers' Union has purchased an elevator at this place.

Trousdale station (Newton P. O.)—The Farmers' Elevator company has built an office building and is now putting up a large elevator at Trousdale.

Ray—L. H. Thorp is now manager of the Farmers' Grain & Supply company. **Narka**—The Farmers' Co-operative Grain and Supply company, under the management of O. T. Vinsonhaler, has enlarged the capacity of its elevator and overhauled the entire building.

Brewster—L. L. Gibboney, is manager of the new elevator erected recently by the Farmers' Co-operative association.

Oketo—The new Farmers' Elevator at Oketo has been put under the management of W. W. White.

Vliets—H. B. Johnson, secretary of the Farmers' Union Business association, which has just built a large elevator here, will also act as manager for the company.

Wilroads—The Equity Union has purchased the elevator at this station belonging to H. L. Hartshorn.

Kirwin—The Farmers' Union association is the new name adopted by the company formerly known as the Kirwin Elevator & Shipping association, which has changed its bylaws so it will now operate on the co-operative plan.

Page—The Farmers' Elevator company of Page, under the management of C. McKnight, recently has purchased the 60,000-bushel elevator formerly belonging to A. C. Ward.

Clyde—The new farmers' elevator being erected at this station is almost completed.

To Talk of Rural Credit

A feature of the Farm and Home week at the agricultural college, December 27 to 31, will be the lectures on rural credit and farm economics to be delivered by Dr. B. H. Hibbard, professor of agricultural economics in the University of Wisconsin.

Doctor Hibbard was head of the department of economics in the Iowa State college for 12 years; spent a year in Europe studying the co-operative movements on the continent, and later became professor of agricultural economics in the University of Wisconsin. He has made a special study of rural credit and has published one of the best bulletins on this subject in the country. His address on rural credit will be delivered before the general assembly Thursday morning, December 30. He will conduct a conference period in the rural life conference in the afternoon when the subjects of co-operation, marketing, and other economic community projects will be discussed.

Doctor Hibbard is an entertaining and fluent speaker and handles subjects of unusual interest to Kansas people at present.

More Interest in Drainage

H. B. Walker, state drainage engineer, is assisting in the organization of a drainage district in Chase county. Surveys have been completed and petitions are now being circulated.

In Riley county, drainage district No. 1 has been organized, and in other counties districts are proposed at the following places: Republic City, Scandia, Ames, Glasco, Junction City, Salina, Emporia, Pleasanton, Osawatomie, Wamego, Williamstown and Perry. All are requesting assistance in organization. A drainage survey covering approximately 10,000 acres is now in progress in the North Topeka drainage district. Specifications for the survey were prepared by Mr. Walker.

The Kaw River Drainage district at Silver Lake is planning additional work; district No. 1, Jackson county, is practically through with construction work and district No. 1, Atchison county, is operating three dredges on the half million cubic yards yet to be excavated. The Agricultural college is giving general supervision on these projects.



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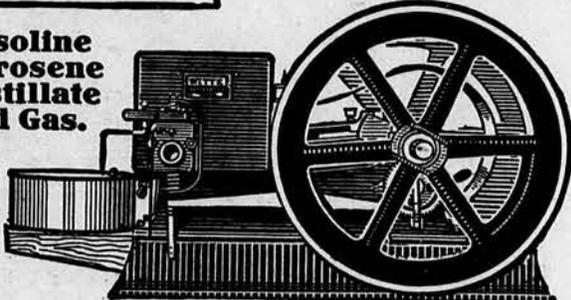
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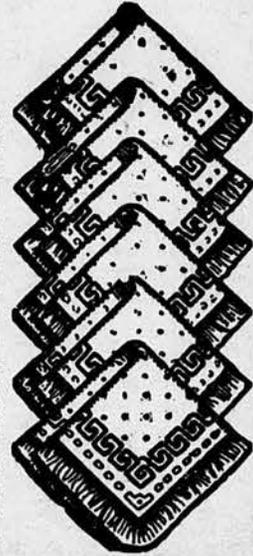
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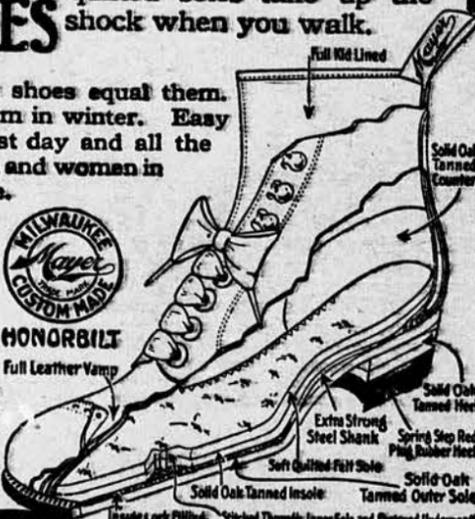
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The Forester's Daughter

A Romance of the Forest Service in 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.

over at last, and I am alive," he said and congratulated himself.

"How did you sleep?" asked the supervisor.

"First rate—at least during the latter part of the night," Wayland briskly lied.

"That's good. I was afraid that Adirondack bed of yours might let the white wolf in."

"My blankets did seem a trifle thin," confessed Norcross.

"It doesn't pay to sleep cold," the supervisor went on. "A man wants to wake up refreshed, not tired out with fighting the night wind and frost. I always carry a good bed."

It was instructive to see how quietly and methodically the old mountaineer went about his task of getting breakfast. First he cut and laid a couple of eight-inch logs on either side of the fire, so that the wind draw through

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AT LAST the girl rose. "It is getting dark. I must go back and get supper."

"We don't need any supper," he protested.

"Father does, and you'll be hungry before morning," she retorted, with sure knowledge of men.

He turned from the scene reluctantly, but once at the campfire cheerfully gave his best efforts to the work in hand, seconding Berrie's skill as best he could.

The trout, deliciously crisp, and some potatoes and batter cakes made a meal that tempted even his faint appetite, and when the dishes were washed and the towels hung out to dry deep night possessed even the high summit of stately Ptarmigan.

McFarlane then said, "I'll just take a little turn to see that the horses are all right, and then I think we'd better close in for the night."

When they were alone in the light of the fire Wayland turned to Berrie: "I'm glad you're here. It must be awesome to camp alone in a wilderness, and yet, I suppose, I must learn to do it."

"Yes, the ranger often has to camp alone, ride alone and work alone for weeks at a time," she assured him. "A good trapper don't mind a night trip any more than he does a day trip, or if he does he never admits it. Rain, snow, darkness, are all the same to him. Most of the boys are fifteen to forty miles from the postoffice."

He smiled ruefully. "I begin to have new doubts about this ranger business. It's a little more vigorous than I thought it was. Suppose a fellow breaks a leg on one of those high trails?"

"He mustn't!" she hastened to say. "He can't afford really to take reckless chances; but, then, father won't expect as much of you as he does of the old stagers. You'll have plenty of time to get used to it."

McFarlane upon his return gave some advice relating to the care of horses. "All this stock which is accustomed to a barn or a pasture will quit you," he warned. "Watch your bronchos. Put them on the outward side of your camp when you bed down and pitch your tent near the trail, then you will hear the brutes if they start back. Some men tie their stock all up, but I usually picket my saddle horse and hobble the rest."

It was a delightful hour for schooling, and Wayland would have been content to sit there till morning listening; but the air bit, and at last the supervisor asked: "Have you made your bed? If you have turn in. I shall get you out early tomorrow." As he saw the bed he added: "I see you've laid out a bed of boughs. That shows how eastern you are. We don't do that out here. It's too cold in this climate, and it's too much work. You want to hug the ground—if it's dry."

After the supervisor had rolled himself in the blanket, long after all sounds had ceased in the tent, there still remained for the youth a score of manifold excitations to wakefulness till at last he fell into an uneasy drowse.

"You'll have to take lessons in swinging an ax," she said. "That's part of the job."

them properly; then, placing the Dutch oven cover on the fire, he laid the bottom part where the flames touched it. Next he filled his coffee-pot with water and set it on the coals. From his pannier he took his dishes and the flour and salt and pepper, arranging them all within reach, and at last laid some slices of bacon in the skillet.

At this stage of the work a smothered cry, half yawn, half complaint, came from the tent. "Oh, hum! Is it morning?" inquired Berrie.

"Morning," replied her father. "It's going toward noon. You get up or you'll have no breakfast."

Thereupon Wayland called: "Can I get you anything, Miss Berrie? Would you like some warm water?"

"What for?" interposed McFarlane before the girl could reply.

"To bathe in," replied the youth.

"To bathe in! If a daughter of mine should ask for warm water to wash with I'd throw her in the creek."

Berrie chuckled. "Sometimes I think daddy has no feeling for me. I reckon he thinks I'm a boy."

"Hot water is debilitating and very bad for the complexion," retorted her father. "Ice cold water is what you need. And if you don't get out of there in five minutes I'll douse you with a dipperful!"

This reminded Wayland that he had not yet made his own toilet, and, seizing soap, towel and brushes, he hurried away down the beach, where he came face to face with the dawn. The splendor of it smote him full in the eyes. From the waveless surface of the water a spectral mist was rising, a light veil, through which the stupendous cliffs loomed 3,000 feet in height, darkly shadowed, dim and far. The willows along the western margin

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STORM BOUND.

WAYLAND was awakened by the mellow voice of his chief calling: "All out! All out! Daylight down the creek!" Then, breathing a prayer of thankfulness, the boy sat up and looked about him. "The long night is

burned as if dipped in liquid gold, and on the lofty crags the sun's coming created keen edged shadows, violet as ink. Truly this forestry business was not so bad after all. It had its compensations.

Back at the campfire he found Berrie at work, glowing, vigorous, laughing. Her comradeship with her father was very charming, and at the moment she was rallying him on his method of bread mixing. "You should rub the lard into the flour," she said. "Don't be afraid to get your hands into it—after they are clean. You can't mix bread with a spoon."

"Sis, I made camp bread for twenty years afore you were born."

"It's a wonder you lived to tell of it," she retorted, and took the pan away from him. "That's another thing you must learn," she said to Wayland. "You must know how to make bread. You can't expect to find bakeshops or ranchers along the way."

In the heat of the fire, in the charm of the girl's presence, the young man forgot the discomforts of the night, and, as they sat at breakfast and the sun rising over the high summits flooded them with warmth and good cheer and the frost melted like magic from the tent, the experience had all the satisfying elements of a picnic. It seemed that nothing remained to do. But McFarlane said, "Well, now you youngsters wash up and pack while I reconnoiter the stock." And with his saddle and bridle on his shoulder he went away down the trail.

Under Berrie's direction Wayland worked busily putting the campequipment in proper parcels, taking no special thought of time till the tent was down and folded, the panniers filled and closed and the fire carefully covered. Then the girl said: "I hope the horses haven't been stampeded. There are bears in this valley, and horses are afraid of bears. Father ought to have been back before this. I hope they haven't quit us."

"Shall I go and see?"
"No, he'll bring 'em if they're in the land of the living. He picketed his saddle horse, so he's not afoot. Nobody can teach him anything about trailing horses, and, besides, you might get lost. You'd better keep close to camp."

Thereupon Wayland put aside all responsibility. "Let's see if we can catch some more fish," he urged.

To this she agreed, and together they went again to the outlet of the lake, where the trout could be seen darting to and fro on the clear, dark flood, and there cast their flies till they had secured ten good sized fish.

"We'll stop now," declared the girl. "I don't believe in being wasteful."

Once more at the camp they prepared the fish for the pan. As they were unpacking the panniers and getting out the dishes for their meal thunder broke from the high crags above the lake, and the girl called out:

"Quick! It's going to rain! We must reset the tent and get things under cover."

Once more he was put to shame by the decision, the skill and the strength with which she went about re-establishing the camp. She led, he followed in every action. In ten minutes the canvas was up, the beds rolled, the panniers protected, the food stored safely. But they were none too soon, for the thick gray veil of rain which had clothed the loftiest crags for half an hour swung out over the water, leaden gray under its folds, and with a roar which began in the tall pines, a roar which deepened, hushed only when the thunder crashed resoundingly from crag to crest, the tempest fell upon the camp and the world of sun and odorous pine vanished almost instantly, and a dark, threatening and forbidding world took its place.

But the young people, huddled close together beneath the tent, would have enjoyed the change had it not been for the thought of the supervisor. "I hope he took his slicker," the girl said between the tearing, ripping flashes of the lightning. "It's raining hard up there."

"How quickly it came. Who would have thought it could rain like this after so beautiful a morning?"

"It storms when it storms in the mountains," she responded with the sententious air of her father. "You never can tell what the sky is going to do up here. It is probably snowing on the high divide. Looks now as though those cayuses pulled out some time in the night and have hit the trail for home. That's the trouble with stall fed stock. They'll quit you any time they feel cold and hungry. Here comes the hail!" she shouted as a sharper, more spiteful roar sounded far away and approaching. "Now keep from under!"

"What will your father do?" he called.

"Don't worry about him. He's at home any place there's a tree. He's probably under a balsam somewhere, waiting for this ice to spill out. The only point is, they may get over the

divide, and if they do it will be slippery coming back."

For the first time the thought that the supervisor might not be able to return entered Wayland's mind, but he said nothing of his fear.

The hail soon changed to snow, great, clinging, drowsy, soft, slow moving flakes, and with their coming the rear died away and the forest became as silent as a grave of bronze. Nothing moved save the thick falling, feathery, frozen vapor, and the world was again very beautiful and very mysterious.

"We must keep the fire going," warned the girl. "It will be hard to start after this soaking."

He threw upon the fire all of the wood which lay near, and Berrie, taking the ax, went to the big fir and began to chop off the dry branches which hung beneath, working almost as effectively as a man. Wayland insisted on taking a turn with the tool, but his efforts were so awkward that she laughed and took it away again. "You'll have to take lessons in swinging an ax," she said. "That's part of the job."

Gradually the storm lightened, the snow changed back into rain and finally to mist, but up on the heights the clouds still rolled wildly, and through their openings the white drifts bleakly shone.

"It's all in the trip," said Berrie. "You have to take the weather as it comes on the trail." As the storm lessened she resumed the business of cooking the midday meal, and at 2 o'clock they were able to eat in comparative comfort, though the unmelted snow still covered the trees, and the water dripped from the branches.

"Isn't it beautiful!" exclaimed Wayland, with glowing, boyish face. "The landscape is like a Christmas card."

"It wouldn't be so beautiful if you had to wallow through ten miles of it," she sagely responded. "Daddy will be wet to the skin, for I found he didn't take his slicker. However, the sun may be out before night. That's the way the thing goes in the hills."

To the youth, though the peaks were storm hid, the afternoon was joyous. Berrie was a sweet companion. Under her supervision he practiced at chopping wood and took a hand at cooking.

He had to admit that she was better able to care for herself in the wilderness than most men, even western men, and, though he had not yet witnessed a display of her skill with a rifle, he was ready to believe that she could shoot as well as her sire. Nevertheless he liked her better when engaged in purely feminine duties, and he led the talk back to subjects concerning which her speech was less blunt and manlike.

He liked her when she was joking, for delicious little curves of laughter played about her lips. She became very amusing as she told of her "visits east" and of her embarrassments in the homes of city friends. "I just have to own up that about all the schooling I've got is from the magazines. Sometimes I wish I had pulled out for town when I was about fourteen; but you see, I didn't feel like leaving mother, and she didn't feel like letting me go, and so I just got what I could at Bear Tooth." She sprang up. "There's a patch of blue sky. Let's go see if we can't get a grouse." Together they strolled along the edge of the willows. "The grouse come down to feed about this time," she said. "We'll put up a covey soon."

Within a quarter of a mile they found their birds, and she killed four with five shots. "This is all we need," she said, "and I don't believe in killing for the sake of killing. Rangers should set good examples in way of game preservation. They are deputy game wardens in most states, and good ones, too."

The night rose formidably from the valley while they ate their supper, but Berrie remained tranquil. "Those horses probably went clean back to the ranch. If they did, daddy can't possibly get back before 8 o'clock, and he may not get back till tomorrow."

Norcross, with his city training, was acutely conscious of the delicacy of the situation. In his sister's circle a girl left alone in this way with a man would have been very seriously embarrassed, but it was evident that Berrie took it all joyously, innocently. Their being together was something which had happened in the natural course of weather, a condition for which they were in no way responsible. Therefore she permitted herself to be frankly happy in the charm of their enforced intimacy.

She had never known a youth of his quality. He was so considerate, so refined, so quick of understanding and so swift to serve. He filled her mind to the exclusion of unimportant matters like the snow, which was beginning again. Indeed, her only anxiety concerned his health, and as he toiled amid the falling flakes, intent upon



Pyrene Saved the Prize-Winners

My son was milking. From the rafters of the cow barn hung a lantern. Of a sudden the rusty nail gave 'way. The lantern fell, chimney smashed and bedding caught fire. No time for water or to call neighbors—three minutes' delay would mean the loss of all our prize-winning cows, a loss that would break me.

But Pyrene was at hand, fastened to the post of the next stall. One well-aimed shot and the fire was out.

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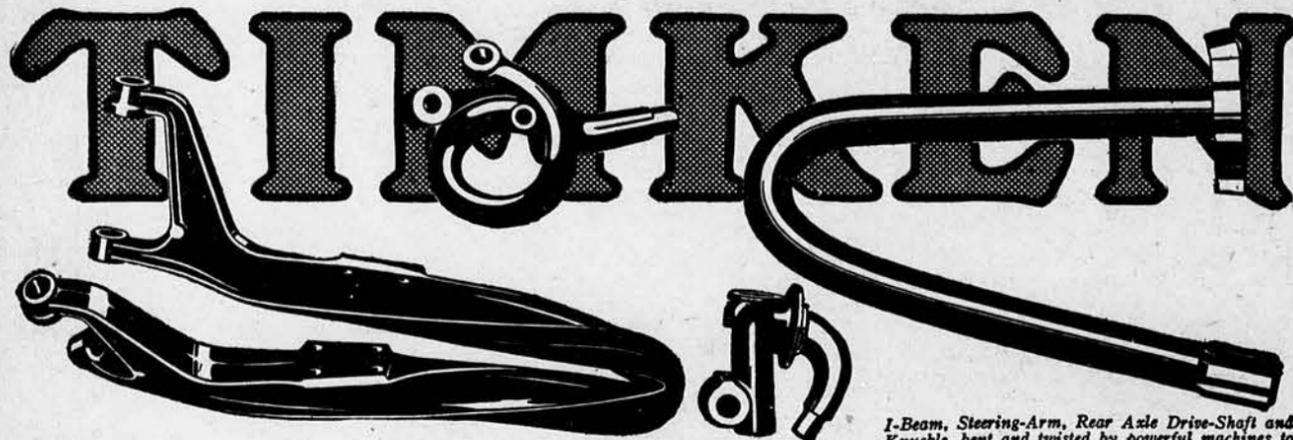
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B. A. FULLER, President

HERCULES MFG. CO.,

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There's Safety in Axles that Stand Tests Like This—

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WHEN Harry Knight drove his racer head-on into a concrete wall at the Indianapolis Speedway, to save another man's life, the Timken Front Axle was bent by the intense impact. But that axle was afterward straightened and is running under a car today.

It is because Timken-Detroit Axle parts are so tough that they can be bent, twisted and flattened, cold, *without breaking*, that the man who rides on Timkens can confidently count on *riding safely*.

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Tests like this are necessary to *prove* in our factory that the work of the steel-makers, the chemists, engineers and metallurgists was right.

To prove that, while wonderfully tough and strong, Timken-Detroit Axles are *not brittle*.

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These problems could not be solved through knowledge of the chemistry of steel alone. It meant testing samples of steels from all over the world, observing and recording the effect on these steels of heating them to different temperatures and quenching them in different baths.

Concentrated Study

Out of the multiplicity of analyses, heat-treatments and testings, and out of long experience in every type of car under all conditions of service, has come the best steel for each axle part, and the best formulas for heat-treatment of each part.

Only concentrated devotion to the one problem of axle-building could determine the right steel and the right heat-treatment—just as it has developed the right design, size and relation of the different axle parts.

And Still More Study

Although Timken-Detroit Axles justified themselves from the very beginning of the automobile industry by satisfactory service in motor-cars, pleasure and commercial, the work of study, experiment and investigation has continued through all the years that have followed. It has made, and is making every year, new contributions to the wonderful things accomplished in this Twentieth Century by heat-treatment.

The safety and satisfaction of the man who rides on Timken-Detroit Axles are secure because back of the axle is the great human organization that has worked together for one common object during all the years of motor-car manufacture.

There are no more important parts of your car than the axles and their bearings. Why this is so is told in the Timken Primers, F-65 "On the Anatomy of Automobile Axles," and F-66 "On the Care and Character of Bearings." Both books sent free postpaid, together with a list of Timken equipped cars on request to either address below.



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free and postpaid to all who send \$1.00 to pay for one year's new or renewal subscription to Mail and Breeze. The set is guaranteed to please you in every way or your money will be promptly refunded. **MAIL AND BREEZE, Dept. S.C.10, Topeka, Kan.**

heaping up wood enough to last out the night, she became solicitous.

"You will be soaked," she warningly cried. "Don't stay out any more. Come to the fire. I'll bring in the wood." Something primeval, some strength he did not know he possessed sustained him, and he tolled on. "Suppose this snow keeps falling?" he retorted. "The supervisor will not be able to get back tonight—perhaps not for a couple of nights. We will need a lot of fuel."

He did not voice the fear of the storm which filled his thought, but the girl understood it. "It won't be very cold," she calmly replied. "It never is during these early blizzards, and, besides, all we need to do is to drop down the trail ten miles, and we'll be entirely out of it."

"I'll feel safer with plenty of wood," he argued, but soon found it necessary to rest from his labors. Coming in to camp, he seated himself beside her on a roll of blankets, and so together they tended the fire and watched the darkness roll over the lake till the shining crystals seemed to drop from a measureless black arch, soundless and oppressive.

"What time is it now?" she asked abruptly.

He looked at his watch. "Half after 8."

"If father isn't on this side of the divide now he won't try to cross. If he's coming down the slope he'll be here in an hour, although that trail is a tolerably tough proposition this minute. A patch of dead timber on a dark night is sure a nuisance even to a good man. He may not make it."

"Couldn't I rig up a torch and go to meet him?"

She put her hand on his arm. "You stay right here!" she commanded. "You couldn't follow that trail five minutes."

"You have a very poor opinion of my skill."

"No, I haven't; but I know how hard it is to keep direction on a night like this, and I don't want you wandering around in the timber. Father can take care of himself. He's probably sitting under a big tree smoking his pipe before his fire—or else he's at home. He knows we're all right, and we are. We have wood and grub and plenty of blankets and a roof over us. You can make your bed under this fly," she said, looking up at the canvas. "It beats the old balsam as a roof. You mustn't sleep cold again."

"I think I'd better sit up and keep the fire going," he replied heroically. "There's a big log out there that I'm going to bring in to roll up on the windward side."

"It'll be cold and wet early in the morning, and I don't like to hunt kindling in the snow," she said. "I always get everything ready the night before. I wish you had a better bed. It seems selfish of me to have the tent while you are cold."

THE WALK IN THE RAIN.

ONE BY one, under her supervision, he made preparations for morning. He cut some shavings from a dead, dry branch of fir and put them under the fly and brought a bucket of water from the creek, and then together they dragged up the dead tree.

Had the young man been other than he was, the girl's purity, candor and self reliance would have conquered him, and when she withdrew to the little tent and let fall the frail barrier between them she was as safe from intrusion as if she had taken refuge behind gates of triple brass. Nothing in all his life had moved him so deeply as her solicitude, her sweet trust in his honor, and he sat long in profound meditation. Any man would be rich in the ownership of her love he admitted. That he possessed her pity and her friendship he knew, and he began to wonder if he had made a deeper appeal to her than this.

"Can it be that I am really a man to her," he thought, "I who am only a poor weakling whom the rain and snow can appall?"

Then he thought of the effect of this night upon her life. What would Clifford Belden do now? To what depths would his rage descend if he should come to know of it?

Berrie was serene. Twice she spoke from her couch to say: "You'd better go to bed. Daddy can't get here till tomorrow now."

"I'll stay up awhile yet. My boots aren't entirely dried out."

After a silence she said: "You must not get chilled. Bring your bed into the tent. There is room for you."

"Oh, no, that isn't necessary. I'm standing it very well."

"You'll be sick!" she urged, in a voice of alarm. "Please drag your bed inside the door. What would I do if you should have pneumonia tomorrow? You must not take any risk of a fever."

The thought of a sheltered spot, of something to break the remorseless wind, overcame his scruples, and he drew his bed inside the tent and rearranged it there.

When writing to one of our advertisers be sure to mention the old reliable Farmers Mail and Breeze.

"You're half frozen," she said. "Your teeth are chattering."

"I'll be all right in a few moments," he said. "Please go to sleep. I shall be snug as a bug in a moment."

She watched his shadowy motions from her bed, and when at last he had nestled into his blankets she said, "If you don't lose your chill I'll heat a rock and put it at your feet."

He was ready to cry out in shame of his weakness, but he lay silent till he could command his voice, then he said: "That would drive me from the country in disgrace. Think of what the fellows down below will say when they know of my cold feet!"

"They won't hear of it, and besides, it is better to carry a hot water bag than to be laid up with a fever."

Her anxiety lessened as his voice resumed its pleasant tenor flow. "Dear girl," he said "no one could have been sweeter—more like a guardian angel to me. Don't place me under any greater obligation. Go to sleep. I am better—much better now."

She did not speak for a few moments, then in a voice that conveyed to him a knowledge that his words of endearment had deeply moved her she softly said, "Goodnight."

He heard her sigh drowsily thereafter once or twice, and then she slept, and her slumber redoubled in him his sense of guardianship, of responsibility. Lying there in the shelter of her tent, the whole situation seemed simple, innocent and poetic. But looked at from the standpoint of Clifford Belden it held an accusation.

"It cannot be helped," he said. "The only thing we can do is to conceal the fact that we spent the night beneath this tent alone."

In the belief that the way would clear with the dawn, he, too, fell asleep, while the fire sputtered and smudged in the fitful mountain wind.

The second dawn came slowly, as though crippled by the storm and walled back by the clouds.

With a dull ache in his bones, Wayland crept out to the fire and set to work fanning the coals with his hat, as he had seen the supervisor do. He worked desperately till one of the embers began to angrily sparkle and to smoke. Then, slipping away out of earshot, he broke an armful of dry fir branches to heap above the wet, charred logs. Soon these twigs broke into flame, and Berrie awakened by the crackle of the pine branches, called out, "Is it daylight?"

"Yes, but it's very dark daylight. Don't leave your warm bed for the dampness and cold out here. Stay where you are. I'll get breakfast."

"How are you this morning? Did you sleep?"

"Fine!"

"I'm afraid you had a bad night," she insisted, in a tone which indicated her knowledge of his suffering. "Camp life has its disadvantages," he admitted, as he put the coffee pot on the fire. "But I'm feeling better now. I never fried a bird in my life, but I'm going to try it this morning. I have some water heating for your bath." He put the soap, towel and basin of hot water just inside the tent flap. "Here it is. I'm going to bathe in the lake. I must show my hardihood."

When he returned he found the girl full dressed, alert and glowing, but she greeted him with a touch of shyness and self-consciousness new to her, and her eyes veiled themselves before his glance.

"Now, where do you suppose the supervisor is?" he asked.

"I hope he's at home," she replied quite seriously. "I'd hate to think of him camped in the high country without bedding or tent."

"Oughtn't I to take a turn up the trail and see? I feel guilty, somehow. I must do something."

"You can't help matters any by hoofing about in the mud. No, we'll just hold the fort till he comes. That's what he'll expect us to do."

He submitted once more to the force of her argument, and they ate breakfast in such intimacy and good cheer that the night's discomforts and anxieties counted for little.

"We have to camp here again tonight," she explained demurely.

"Worse things could happen than that," he gallantly answered. "I wouldn't mind a month of it, only I shouldn't want it to rain or snow all the time."

"Poor boy! You did suffer, didn't you? I was afraid you would. Did you sleep at all?" she asked tenderly.

"Oh, yes, after I came inside; but, of course, I was more or less restless expecting your father to ride up."

"That's funny. I never feel that way. I slept like a log after I knew you were comfortable. You must have a better bed and more blankets. It's always cold up here."

The sunlight was shortlived. The clouds settled over the peaks. Again Berrie made everything snug while her young woodsman toiled at bringing logs for the fire.

TO BE CONTINUED.



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7 passenger FOUR \$885.



Power

- no car at the price has SO MUCH

Without a single exception, this new Studebaker 4-cylinder car at \$885 is the MOST POWERFUL car on the market at its price. Its motor, INCREASED in size from 3 1/2 x 5 inches to 3 3/4 x 5 inches, develops FULL 40 horse power. And the scores of improvements that have been made in the motor design, the high location of the carburetor, the 6-inch intake, the scientific design of the manifolds, make it not only far more responsive than ever before, but vibrationless and economical to a surprising extent.

In POWER and flexibility, this Studebaker FOUR equals most of the Sixes on the market. And in VALUE, dollar for dollar, it completely outclasses every other 4-cylinder car. For Studebaker has set a new standard of VALUE for Fours. Studebaker has lowered its price \$100—coming down from \$985 to \$885—and still INCREASED its POWER, size and quality. And wherever materials have been changed, BETTER materials have been used. The upholstery, for example, is the finest, hand-buffed, semi-glazed leather purchasable.

You know the sterling quality that name of Studebaker has always stood for. You know how thoroughly Studebaker is acquainted with the road conditions that the farmer must face. And you can appreciate what this car must be when we tell you that it is not only the GREATEST value of the season, but the best car that Studebaker has ever built. We urge you to see it before you decide on any car. The 1916 catalog will be mailed on request.

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A Good Future For Cattle

Prices Will be Higher, for the Herds Are Small

BY FRANK HOWARD

I WROTE to the cattlemen last month in the states served by the Capper Farm Papers enclosing a card and asking for information about the number of cattle in the herd, the number of bulls for sale and the number of females for sale. A very large number of these cattlemen have returned the cards. The information brings out many surprises, and on the whole it is not at all encouraging to the fellow who has to provide the family with beef steaks. On the other hand the outlook for the man who is producing the cattle—the beef steaks—is very encouraging. The first surprise was the very large percentage of the cattlemen who have gone out of the business during the past two years. Another surprise is the small herds and the very small number for sale, both bulls and females. I don't remember a time when there was more feed of all kinds in the country than right now. A trip through any part of Missouri, Nebraska, Kansas or Okla-

homa will convince the observer that there is much more feed in the country than there is stock to eat it. Plenty of feed and scarcity of cattle bring good times for the cattlemen.

Every phase of the cattle business is encouraging with the possible exception of the feeder end. Feeders have been selling high and when finished, in many cases, have gone on a manipulated market at a price that left little or no profit. This phase can be remedied only by regulating the manipulators. The man who owns a good herd of cows and who improves his calf crop each year by the use of purebred bulls is headed straight for the shady side of Easy street. This is true of the man who is producing either breeding animals, beef or dairy products.

Here are the names and addresses of breeders returning cards, the breed of cattle they handle and the number of bulls and females they have for sale:

Shorthorn Cattle		Number in herd.	Bulls for sale.	Females for sale.
Breeder.	Address.			
Thompson Brothers.	Iowa City, Ia.	80	18	..
E. C. Hanna.	Howard, Kan.	40	5	6
J. H. McCulloch.	Creighton, Mo.	50	6	25
Irvin E. Wilson.	Belvidere, Neb.	25	3	..
E. E. Fisher.	Stockton, Kan.	9	4	..
George P. Williams.	Princeton, Ill.	30	5	8
H. C. Lookabaugh.	Watonga, Okla.	300	20	40
C. W. Taylor.	Abilene, Kan.	200	23	20
E. P. Witt.	Lenox, Ia.	7	1	..
F. T. McEchron.	Richmond, Kan.	85	14	45
W. H. Molyneux.	Palmer, Kan.	22	1	4
Peter Ulrich.	Winside, Neb.	56	5	..
A. L. Mieth & Sons.	Cairo, Neb.	125	20	..
L. W. Barnhart & Son.	Keswick, Ia.	45	8	6
R. S. Miller.	Ireton, Ia.	20	6	4
E. E. Niblo.	Pleasant Hope, Mo.	19	7	..
C. Owens.	Central City, Ia.	31	6	10
Berry & Abildgaard.	Unionville, Mo.	60	5	..
James L. Love.	Macon, Mo.	40	12	10
L. C. Reese.	Prescott, Ia.	55	13	..
A. H. Cooper.	Natoma, Kan.	65	19	12
A. B. Thompson.	Belvidere, Neb.	2	..	1
H. Holmes.	Great Bend, Kan.	60	6	10
A. M. Markley.	Mound City, Kan.	60	11	8
W. P. Harned.	Vermont, Mo.	70	29	39
I. Allen.	Burlington, Kan.	50	8	5
Melvin Gregg.	Stanberry, Mo.	23	2	5
A. W. Barker.	Chlo, Ia.	20	4	..
Herbert Laude.	Rose, Kan.	20	5	..
L. D. Greenwood.	Hartington, Neb.	40	8	10
W. A. Forsythe & Sons.	Greenwood, Mo.	200	48	40
John R. Sloan.	Peck, Kan.	9	5	..
G. H. Burger.	Mt. Vernon, Ia.	75	20	20
H. H. Hess & Son.	Surprise, Neb.	40	4	..
S. B. Amcoats.	Clay Center, Kan.	65	24	..
C. H. White.	Burlington, Kan.	50	11	10
H. Carrier & Son.	Newton, Ia.	120	38	20
Will Pratt.	Waukomis, Okla.	30	6	4
C. W. Merriam.	Topeka, Kan.	42	10	..
Chas. P. O'Donnell.	Winchester, Ill.	12	5	..
H. L. Summers.	Bozeman, Mont.	100	15	..
Riley Brothers.	Albion, Neb.	400	75	75
F. P. Bedwell.	Bison, Okla.	26	3	..
Harriman Brothers.	Pilot Grove, Mo.	70	15	..
D. Tipton.	Bellevue, Ia.	62	6	..
J. A. Countryman & Son.	Rochelle, Ill.	125	17	..
E. E. Clemmons.	Iowa City, Ia.	55	16	10
William Herkelman.	Elwood, Ia.	150	25	20
F. B. Conner.	Drexel, Mo.	40	4	16
L. L. Gregg.	Lone Jack, Mo.	60	14	8
R. N. Brittan.	Waukomis, Okla.	40	12	6
H. A. Clarke.	Columbus, Neb.	63	23	40
John Regier.	Whitewater, Kan.	47	8	7
E. S. Myers.	Chanute, Kan.	45	8	..
James Bottom.	Onaga, Kan.	31	5	4
E. S. Spangler.	Milan, Mo.	120	29	..
Bellows Brothers.	Maryville, Mo.	200	35	..
Albert Chaney.	Lenox, Ia.	40	9	8
E. F. Powell.	Linn Grove, Ia.	75	19	..
W. L. Wisdom.	Colby, Kan.	7	2	..
W. H. Cummings.	Blue Rapids, Kan.	9	..	..
J. R. Young.	Richards, Mo.	2	1	1
N. H. Gentry.	Sedalia, Mo.	40	3	..
Geo. C. Ritchie.	Gresham, Neb.	30	7	..
Frank Freeout.	Wilber, Neb.	27	..	..
Davenport & Mack.	Belmond, Ia.	40	9	..
F. E. Cutler.	Corydon, Ia.	50	9	20
T. B. Rankin & Brothers.	Tarkio, Mo.	125	25	15
J. F. Prather.	Williamsville, Ill.	125	34	..
C. G. Cochran & Sons.	Plainville	350	135	20

Polled Durham Cattle

Breeder.	Address.	Number in herd.	Bulls for sale.	Females for sale.
C. J. Woods.	Chiles, Kan.	40	3	..
C. M. Howard.	Hammond, Kan.	95	18	10
D. C. Van Nice.	Richland, Kan.	35	4	..
Walker Brothers.	Waverly, Neb.	75	18	..
A. A. Myers.	Albion, Neb.	15	2	..
E. F. Dunn.	Hilopollis, Ill.	50	13	20
Dunlap & Clarke.	Maquoketa, Ia.	58	13	5
J. W. Miller.	Howells, Neb.	40	4	..
Ed Ulrich.	Winside, Neb.	26	9	..
Shaw Brothers.	Globe, Kan.	80	9	..
F. A. Murray & Son.	Mazon, Ill.	80	25	20
John Jennings.	Streator, Ill.	50	12	30

Hereford Cattle

Breeder.	Address.	Number in herd.	Bulls for sale.	Females for sale.
W. I. Bowman & Company.	Ness City, Kan.	500	50	50
H. C. Taylor.	Roanoke, Mo.	200	120	40
Dixon Cattle Company.	Bonesteel, S. D.	1500	240	500
C. G. Cochran & Sons.	Plainville, Kan.	400	150	30
Josiah Lockhart.	Nardin, Okla.	42	10	8
George Gibson.	Hamilton, Mo.	65	12	20
John E. Painter.	Roggen, Colo.	550	130	..
Thomas Mortimer.	Madison, Neb.	650	285	100
J. C. Osborn & Sons.	Meadow Grove, Neb.	70	23	27
E. G. Ranney.	Little York, Ill.	260	76	..
Robert H. Hazlett.	El Dorado, Kan.	200	45	7
E. B. Drake.	Giffon, Neb.	30	5	..
Wayne & Brazie.	Harlan, Ia.	125	57	..
W. E. & J. M. Rodgers.	Beloit, Kan.	70	12	..
T. F. Dolan & Sons.	Selbert, Colo.	84	18	30
W. N. Rucker.	Norman, Okla.	18	6	4

Fred R. Cottrell.	Irving, Kan.	200	42	30
B. M. Winter.	Irving, Kan.	49	14	5
F. W. Ham.	Harlan, Ia.	100	24	25
John A. Rankin, Sr.	Tarkio, Mo.	23	9	..
R. T. Thornton.	Kansas City, Mo.	100	6	35
Howell Brothers.	Herkimer, Kan.	50	18	..
H. B. Cave.	Ft. Collins, Colo.	600	15	500
J. B. Shields.	Lost Springs, Kan.	135	23	10
J. T. Blackwood.	Arapahoe, Neb.	100	16	..
Albert H. Wise.	Callaway, Neb.	21	6	..
Peter Mouw.	Orange City, Ia.	80	22	..
C. J. Ballou.	Delphos, Kan.	190	17	30
T. E. Smith.	Norman, Okla.	75	22	..
A. Spooner & Sons.	Mondamin, Ia.	350	95	25
O. Harris & Sons.	Harris, Mo.	600	175	75
W. B. Wallace.	Holden, Mo.	63	12	6
J. R. Slack.	Holyoke, Colo.	100	17	35
O. S. Gibbons & Son.	Atlantic, Ia.	100	9	25
F. W. Preston.	Blue Rapids, Kan.	10	1	..
F. R. Carpenter.	Hayden, Colo.	200	40	..
F. W. Mues.	Edison, Neb.	40	6	..
J. F. Bullock.	Jasper, Mo.	200	55	125
George Danielson.	Clifton, Kan.	43	15	..
William Acker.	Vermillion, Kan.	80	15	..
Thomas Evans.	Hartford, Kan.	90	20	..
C. C. Hampton.	Gering, Neb.	40	26	..
H. D. Cornish.	Osborn, Mo.	50	6	..
R. L. Whitsett.	Holden, Mo.	40	24	..
C. A. Tow.	Norway, Ia.	250	20	50
C. W. Noll & Sons.	Ord, Neb.	50	15	..
G. G. Clemens.	Ord, Neb.	90	20	..
J. B. Thomas.	Pond Creek, Okla.	20	1	6
George F. Mathews.	Ewing, Mo.	50	17	..
Otto Pulscher & Lankeplor.	Holyoke, Colo.	200	22	60

Polled Hereford Cattle

Breeder.	Address.	Number in herd.	Bulls for sale.	Females for sale.
G. A. Newell & Son.	Milan, Kan.	50	6	18
William Schildwacher.	Walworth, Neb.	32	6	..
Warren Gammon & Son.	Des Moines, Ia.	75	20	20

Angus Cattle

Breeder.	Address.	Number in herd.	Bulls for sale.	Females for sale.
Sutton & Porteous.	Lawrence, Kan.	200	85	30
J. B. Withers.	Missouri City, Mo.	37	8	29
W. F. Eakles.	Green City, Mo.	160	35	100
W. A. McHenry.	Denison, Ia.	200	30	50
H. H. Reed.	Marengo, Ia.	50	12	20
F. F. Warner.	Bloomfield, Ia.	8	3	..
Stanley R. Pierce.	Creston, Ill.	125	33	52
J. W. Rea.	Carrollton, Mo.	40	4	..
C. A. Bapes.	Reynolds, Ill.	50	7	10
W. W. Wheeler.	Delphos, Kan.	18	2	..
M. P. Lantz.	Carlock, Ill.	160	24	30
M. B. Walker.	Clarinda, Ia.	45	16	8
Hal F. Hooker.	Maryville, Mo.	35	6	8
C. H. Heckler.	Waukomis, Okla.	44	4	6
M. B. Seeley.	Mt. Pleasant, Ia.	100	6	10
J. W. Taylor.	Clay Center, Kan.	37	6	5
George S. Welling.	Natoma, Kan.	200	1	..
C. D. Nichols Livestock Co.	Cresco, Ia.	140	18	75
J. O. Vanosdal.	Bucklin, Mo.	50	21	30
Escher & Ryan.	Irwin, Ia.	750	200	150
Iowa State College.	Ames, Ia.	65	6	..

Galloway Cattle

Breeder.	Address.	Number in herd.	Bulls for sale.	Females for sale.
F. H. Green.	Palmer, Neb.	200	71	10
Straub Brothers.	Avoca, Neb.	80	16	42
C. H. Cell.	Dacoma, Okla.	50	8	200
G. E. Clark.	Topeka, Kan.	375	20	..
R. W. Brown.	Carrollton, Mo.	100	6	..
C. M. Kline.	Weldon, Ia.	30	7	6
J. P. Milliken.	Media, Ill.	42	11	10
James & W. R. Clelland.	New Hampton, Mo.	60	17	25
A. M. Thompson.	Nashua, Mo.	80	10	..

Red Polled Cattle

Breeder.	Address.	Number in herd.	Bulls for sale.	Females for sale.
Adolph P. Arp.	Eldridge, Ia.	100	21	20
Luke L. Wiles.	Plattsmouth, Neb.	70	21	20
James Dalley.	Watonga, Okla.	25	4	..
C. E. Foster.	El Dorado, Kan.	56	10	15
W. H. Hazlet.	Leon, Ia.	38	8	..
I. W. Poulton.	Medora, Kan.	36	8	..
Charles Morrison.	Phillipsburg, Kan.	57	5	..
P. J. Murta.	Cuba, Mo.	30	22	..
Otto Ibsen.	Orchard, Neb.	26	6	10
S. A. Converse.	Cresco, Ia.	100	24	30
Frank Davis & Sons.	Holbrook, Neb.	40	6	10

Holstein Cattle

Breeder.	Address.	Number in herd.	Bulls for sale.	Females for sale.
M. E. Moore & Co.	Cameron, Mo.	50	6	10
A. T. Garman.	Courtland, Kan.	9	3	..
The Chase Farm.	Pawnee City, Neb.	30	4	..
P. A. Brehm.	Harvard, Neb.	37	7	..
S. Nichols.	Herington, Kan.	23	..	..
H. N. Holdeman.	Meade, Kan.	12	3	..
L. C. Madison.	Algona, Ia.	20	..	..
W. H. Boughner.	Downs, Kan.	10	2	..
Ira Romig.	Topeka, Kan.	50	1	26
Jim Hutchinson.	Elgin, Neb.	5	1	..
Western Holstein Dairy Co.	Denver, Colo.	250	3	..
A. F. Test.	Mitchell, S. Dak.	50	5	3
McKay Brothers.	Waterloo, Ia.	125	26	15
T. A. Gierens.	Lincoln, Neb.	65	16	25
S. E. Ross.	Creston, Ia.	24	4	4
O. H. Sollenberger.	Fairbury, Neb.	17	6	6
S. W. Cooke & Son.	Maysville, Mo.	75	9	26
W. H. Bechtel.	Pawnee City, Neb.	19	1	..
W. B. Barney & Sons.	Chapin, Ia.	83	7	25
H. B. Cowles.	Topeka, Kan.	73	9	4
George H. Snyder.	Fremont, Neb.	59	3	..

Jersey Cattle

Breeder.	Address.	Number in herd.	Bulls for sale.	Females for sale.
Ernest S. Coats.	Ord, Neb.	18	..	..
J. W. Berry.	Jewell City, Kan.	140	5	..
L. T. Banks.	Oswego, Kan.	28	4	..
William E. Smith.	Okeo, Kan.	8	1	..
J. P. Winsor.	Wauponsee, Ill.	25	1	8
R. A. Gilliland.	Mayetta, Kan.	30	5	..
N. E. Copeland.	Waterville, Kan.	10	..	..
H. C. Young.	Lincoln, Neb.	100	18	25
G. W. McIntosh & Sons.	Monett, Mo.	40	..	10
W. F. Holcom.	Clay Center, Neb.	70	17	25
L. P. Clarke.	Russell, Kan.	10	4	6
E. L. M. Benfer.	Leona, Kan.	26	4	5
J. W. Edwards.	Carthage, Mo.	100	5	..
A. J. Wood.	Council Grove, Kan.	20	4	9
H. F. Erdley.	Holton, Kan.	20	5	10

Guernsey Cattle

Breeder.	Address.	Number in herd.	Bulls for sale.	Females for sale.
S. W. Heaney & Son.	Tabler, Okla.	10	3	..
Ernest Olson.	Stromsburg, Neb.	30	2	..

Brown Swiss Cattle

Breeder.	Address.	Number in herd.	Bulls for sale.	Females for sale.
Harry McCullough.	Fayette, Mo.	175	17	100

What Some of Our Members Think of the Association

"Old System Interest Payments Will Pay Principal and Interest"



M. McAuliffe,
Pres. Farmers Union,
Salina, Kan.

I believe in the principles upon which it is organized. Its proposed method of making long time loans enables the borrower to repay such loans, in full, at but very little, if any, more cost to them than the rate of interest they are now paying on the loans made under the old system.

M. McAuliffe

"No Farmer Should Overlook Advantages This Association Offers"



A. L. Sponser,
Sec. Kan. State Fair,
Hutchinson, Kan.

No farmer who needs money, should overlook the advantages you offer. To liquidate the principle as the interest payments are made, is sane, sound and safe. It is the system whereby young men or men of moderate means may become owners of land.

A. L. Sponser

"Farmers Should Have As Low Interest Rate As Railroads"



R. J. Linscott,
Farmer,
Holton, Kan.

Railroad companies have been able to float long time bonds at a lower rate of interest than has been given farmers. The farmers should be able to make long time mortgages when the security is based upon lands. The Kansas Rural Credit Association appeals to me as being the best method of realizing this.

R. J. Linscott

"I Am Sure It Is a Sound Business Proposition"



W. C. Lansdon,
Editor Salina Union,
Salina, Kan.

The farmers of Kansas need some agency through which they may secure long time loans at reasonable rates of interest on contracts providing for amortization payments along with interest. I am so sure you have a sound business proposition I am taking stock in the enterprise and hope to see it make the success it deserves.

W. C. Lansdon

"The Proper Encouragement of Agriculture"



J. M. Davis,
Farmer, State Senator,
Bourbon County.

The proper encouragement of Agriculture imperatively demands that longer credit and lower interest charges be made available to the farmer. These advantages will both be had through the Kansas Rural Credit Association.

J. M. Davis



W. M. Price,
State Senator, Pres.
Lyon Co. State Bank,
Emporia, Kan.

"Means a Farm Owner on Every Quarter Section"

Every banker and business man of the State should get behind the association and help carry out this development of Rural Credits, on plans worked out by the United States government. Cheaper interest rates and long time loans, will ultimately mean a farm owner on every quarter section of tillable land in the state.

W. M. Price

1916 February - 1916						
SUN	MON	TUE	WED	THUR	FRI	SAT
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29				

February 1st 1916

Will mark a new Era for the farmers of Kansas!

The Kansas Rural Credit Assn. Will Begin Making Loans February 1st

On February 1, 1916, this Association will begin making loans to its members at 5 per cent on the long term amortization plan from 10 to 35 years.

The sore need of such a movement in behalf of the farmer has long been felt. It remained for the Kansas Rural Credit Association to make such a result possible.

You Must Be a Member to Obtain a Loan

No outsiders participate. Inasmuch as this organization is a money-saving institution for its members rather than a money-making concern for a few capitalists or loan companies, no one not a member is entitled to its benefits.

You, as a member, get your loan without unnecessary "red tape" or expense, on long terms and at the very lowest interest rates. A fraction of your yearly income from the farm pays the interest and principal.

Hundreds of Kansas Farmers Have Joined

You can become a charter member by taking out a membership before February 1.

Investigate this Association and its plans of operation thoroughly—find out all about it. Then you will be convinced that it is altogether responsible and will save you money.

Clip out, fill in and mail the coupon TODAY. It will bring you full details and particulars.

The Kansas Rural Credit Assn. Dep't F, Emporia, Kansas

THE KANSAS RURAL CREDIT ASSOCIATION,
DEPT F, EMPORIA, KANSAS.

Without obligating me in any way please send me your sixteen-page booklet which explains in detail the plan of The Kansas Rural Credit Association and tells how I can become a member and enjoy the benefits of this co-operative organization of Kansas farmers.

Name.....

Address.....

"No Reason Why It Should Not Succeed"

I can see no reason why it should not succeed and be of great benefit to the stockholders. The farmer has always labored under the disadvantage of lack of organization. With the best security in the world, he has generally been obliged to pay a higher rate of interest than other borrowers whose security was far less stable than his.



T. A. McNeal, Editor
Mail and Breeze,
Topeka, Kan.

T. A. McNeal

"Will Prove an Important Factor in Upbuilding of Kansas"

I cannot help believing that under the proper management this Association will prove to be a most important factor in the upbuilding of Kansas and in contributing toward a larger percentage of home ownership.



Chas. F. Scott,
Editor Iola Register,
Iola, Kan.

Chas. F. Scott

"Will Place Farmer on Commercial Equality With Merchant"

The time has come when something should be done to redeem rural life. A rural credit association based on a co-operative plan organized and managed by those engaged in agriculture will afford the kind of credit and banking accommodation the farmer should have. It should be independent of all other banking systems.



W. A. Ayers, Congressman 8th District,
Wichita, Kan.

W. A. Ayers

"Of Inestimable Value to Farmers and Land Owners"

Any co-operative enterprise, in which our people can handle the business and keep the profit, has my hearty approval and I think yours is a commendable effort along those lines and one that, if honestly and efficiently conducted, can be made of inestimable advantage to the farmers and land owners of Kansas.



J. G. Johnson,
Landowner,
Peabody, Kan.

J. G. Johnson

"Farmers Should Receive More Liberal Loans"

Your plan of long time farm loans should meet with the approval of a large number of farmers who desire to own or improve farms in Kansas. Our farmers should receive more liberal loans and lower interest rates, as they offer the best and most dependable security.



E. E. Frizell,
Farmer and Ranchman,
Larned, Kan.

E. E. Frizell

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Trapping Gives a Profit

There is a Big Demand For Furs This Winter, Which the Kansas Boys Can Supply Easily

I DON'T suppose there are many Kansas boys who have not longed to be trappers. There is both sport and profit in trapping when you go at it in the right way. Many of the fur-bearing animals that may be found in all parts of the United States bear a hide that is worth quite a little money.

The most common trap used is the steel trap. All boys are familiar with these traps. They often are used to catch rats. The steel traps are made in many different sizes, says the American Thresherman, each size made for some particular kind of animal. Steel traps for bears are very large and strong, while those for mink and similar animals are smaller. The mink is a very easy animal to trap, and his fur is quite valuable after you get it.

The mink is an aquatic animal—it lives in the water much of the time. The reason it is not difficult to trap is that it is always hungry. It is said that the minks often become so desperate for something to eat that they will eat their own young. So anxious are they to fill their stomachs that they often will walk right into a trap where some other kind of animal would discover it and stay away.

Where to Set a Trap.

The best place to set a trap for a mink is in the shallow water near the edge of a stream or lake. Usually just at the foot of a steep bank is a good location. The steel trap should be set in about an inch of water close to the bank, and the bait arranged above it in such a way that the mink will have to step on the trap in order to reach the bait. The bait may be suspended on a string or wire on an overhanging limb, or stakes may be driven into the bank or into the bed of the stream to hold the bait just far enough above the trap so the mink will have to exert itself to get it. The mink lives on cod, muskrats, snails, birds, crawfish, and, in fact, on most any sort of meat he can get. For that reason it is not difficult to get satisfactory bait. The head of a chicken, a crawfish, or a piece of meat will do. The results probably will be more satisfactory if you sprinkle a little of a mixture of sweet oil of peppermint and honey on the bait. This has a strong enough odor to attract the mink from some distance.

Minks have a habit of releasing themselves from traps by eating at the leg that is caught until they break it in two. Sometimes, too, a small one that is caught in a trap will be eaten by a larger animal that comes along and finds the little fellow helpless. To avoid both of these possibilities, it is quite essential that in trapping minks you should use either a spring pole or a sliding pole. The spring pole consists of a long, supple pole or a young sapling that can be bent over toward the top in such a way that when it is released from its fastening it will fly up into the air and carry the trap and animal with it. For example, take a supple pole and drive it into the bank. Bend

it over to a point near the trap and fasten it there by a forked stick in such a way that a slight pull will release it. Then fasten the trap to the end of the pole. As soon as the mink is caught he will begin to struggle and this will release the pole and the trap, mink and all will be thrown into the air and held there until you go to release it.

Making a Sliding Pole.

The sliding pole is made by taking a long, straight pole with two short branches on one end and thrusting it into the water so the end with the branches will be in deep water. The other end is tied or in some other way fastened firmly to the bank. The trap is attached to this pole in such a way that it will easily slide up and down. As soon as the mink is caught, his first inclination is to dive off into deep water. If this is a sliding pole, the trap goes with him to the bottom where it is caught on the branches at the end of the pole. The mink is not strong enough to get back up to the surface to get air and he is soon drowned. Then when you come along and find your trap gone, all you need to do is to pull up your sliding pole and there on the end you will find the trap and the mink.

In trapping muskrats, steel traps may be used. Set them with a sliding pole near the edge of the water where the muskrats have made a path. They usually climb out of the water at the same place and when you find indications of their path, set your trap there. It is a good plan to put a piece of turnip, apple, carrot or some other vegetable into the trap to attract them, but this is not always necessary. If a sliding pole is used they will plunge into the water the same as the mink and will soon be drowned.

A method often used in winter is to drown the muskrats through the ice. A muskrat has the ability to swim a long distance under the ice and this is the way he does it: Before going into the water he takes a long breath of air and fills his lungs to their capacity. Then he holds his breath and swims just as long as possible. When it is necessary for him to get fresh air, he stops and goes up close to the under side of the ice. He breathes out the air that was in his lungs there, which remains close by in large bubbles. In a short time these bubbles absorb oxygen from the water and he again breathes these air bubbles and gets sufficient oxygen from them to sustain him for quite a while. You can take advantage of this habit as follows: Drive the muskrats out of their house by pounding on it and then follow as many of them as you can. It usually will be wise to take several boys with you so that each one can follow a muskrat. As soon as you see him stop and exhale his breath into the bubbles near the ice, take an axe or heavy stick and strike a heavy blow right above him. This will drive him down into the deep water and he will

(Continued on Page 26.)

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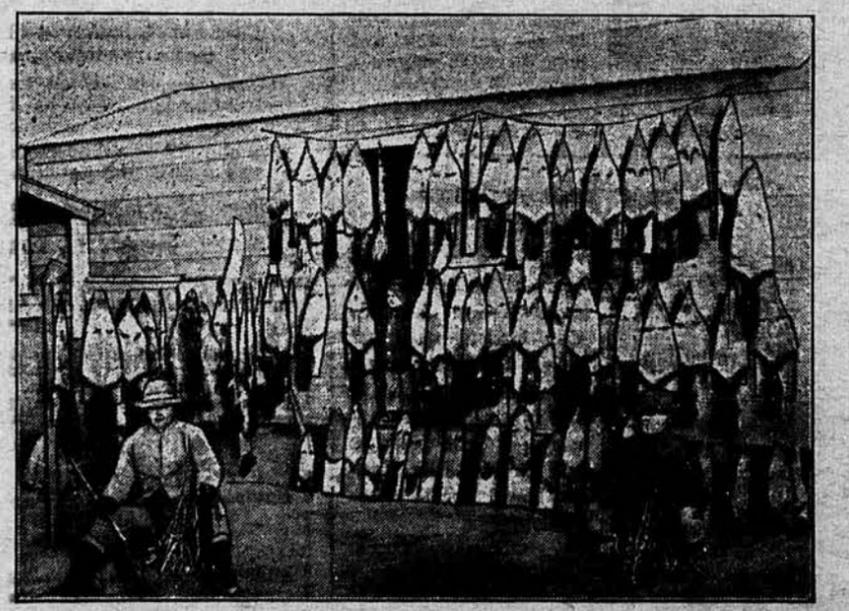
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Two Kansas Boys and a Season's Collection of Furs; the Price Is Above Normal This Year, and Trapping Will Pay Well.

Keep Hens on Dry Farms

They Will Pay the Grocery Bills in Bad Years

BY H. M. COTTRELL

GOOD hens, like good dairy cows, are sure producers in dry land farming sections and should be one of the important sources of revenue. A skillful poultryman on a dry land farm can realize \$2 a year a hen above the cost of feed.

The layers in the average flock consist of a number of early-hatched pullets and a few yearling hens. Besides these there are a number of old hens, some of which ceased to lay years ago, several long-spurred old roosters and a lot of active young cockerels. Such a flock with fair attention will average 60 eggs a year a hen. Get rid of all the flock but the choicest early hatched pullets and the heavy laying hens. The average will increase to 120 eggs a year a hen and the feed bill will be cut in half.

Pullets from good egg laying strains will begin to lay when 6 months old if they have been pushed for growth and development and given plenty of exercise and comfortable surroundings. Such pullets hatched in March or April will start to lay in October and will supply the eggs for the high priced fall and winter markets. Year old hens begin to lay in December and should be laying well in January.

Males should not be allowed at any time with the hens except when the eggs are to be used for hatching. The hens will lay more eggs and produce them at less cost without males than with them. At the New York Experiment station pullets without a male produced eggs at 30 per cent less cost than pullets kept with a cockerel. Infertile eggs do not spoil in warm weather.

Provide Good Shelter.

The general management of the hen to make her lay is the same in the dry land districts as in the rain belt, with one marked exception, that of shelter. People in the dry land districts boast that no matter how hot it gets in the day time, they have to sleep under blankets at night. This shows a wide change of temperature every 24 hours between the hottest time of the day and the coldest in the night. In some districts the average change for each 24 hours is 30 degrees. This extreme change causes draughts with eastern methods of ventilating poultry houses. One of the sources of heaviest loss comes from injury to the fowls from these draughts—colds, roup and poor laying.

To prevent draughts the dry land hen house should be built tight on the north side, both ends and the roof. The only openings will then be on the south side, and draughts are not possible with openings on one side only.

The south front must have sufficient openings to supply a constant change of air without draught. The air is so dry in the dry land districts that severe cold is felt but little and it is easy to make a hen house warm enough. It may be made of straw packed between boards, adobe or lumber.

Kafir or milo is the staple poultry feed in dry land districts, supplemented with wheat, oats and millet. In cold weather it pays to warm the grain in the oven before feeding.

Green Feed For Winter.

Alfalfa hay is the best green feed for winter. Sweet clover hay carefully cured is good. Every one who has reported says that silage makes a large increase in the number of eggs laid during the winter. Beets, mangels and cabbage are relished. Rye or wheat pasture is greatly liked in the winter. A hen should have all the green feed she will eat every day in the year.

Meat in some form every day is necessary to secure profits. Many new settlers in the Southwest trap the numerous rabbits and feed the meat from them to the hens. When a hen has plenty of grain, grit and lime in shells, she is not likely to eat too much meat if she has a daily supply of it. When hens have gone a long time without meat they may ruin themselves permanently, and never lay again, if given too much at first. A farmer's cow was injured and her leg broken. She was killed immediately, skinned and the carcass drawn into the poultry yard. The hens had been without meat for months and gorged themselves. Some of them

died, others were sick and none of the flock ever laid well afterwards.

A dozen fair sized eggs contain a pint of water, and large quantities of water are constantly being used in the digestion of food and the performance of active life.

Don't Neglect the Water Trough.

Water is in ceaseless demand in the hen's body and is as essential as feed. Many well fed hens do not lay because they do not have the water necessary in the formation of the egg. Lack of water is one of the chief causes of hens on the farm not laying in the winter.

Water must be clean, pure and palatable and within reach of the hen whenever she wants it. She will not drink enough if the water is lukewarm in the summer or when it is mixed with ice in the winter.

Grit is the hen's teeth and it must be sharp. Often hens kept on stony places must be fed grit because the pieces of local stone are so rounding that they do not grind the feed well.

The egg shell is nearly pure carbonate of lime and lime is found in most of the tissues of the body. It is as necessary to the hen as air or feed. Crushed oyster shells supply lime cheaply. A hen needs about 4 pounds a year. In some sections crushed limestone can be used to supply both grit and lime.

Helps For Cleanliness.

The hen house should be kept clean and the hens free from lice and mites. Many dry land houses are not cleaned

In addition to the great burden the new military policy would saddle onto the farmers of America, the proposed armament program threatens to engross the attention of Congress to the exclusion of all the urgently needed legislation vital to the welfare of the country. In the language of the National Farmers' Union, the foundation industry of this nation needs, and needs urgently, a rural credit law to relieve the intolerable conditions under which money is lent on farm mortgages; also it needs a national marketing commission to lessen the cost of distributing farm products. These are national necessities. They are actual, pressing needs, needs urgently demanded by the whole country. Are these matters to be lost sight of because an armament interest would monopolize the time and the attention of Congress?

oftener than once a year and the owners find that hens do not pay. Dust, convenient for a dust bath, whenever a hen wants one, will keep down the lice. Take a quart of kerosene and crush moth balls in it as long as they will dissolve. Use the mixture to paint the roosts and nests. The heat from the hen's bodies will vaporize this paint and the vapor will kill the mites. This mixture is very explosive. It must be made out of doors and kept from all exposed flame, as lighted matches and pipes. The hen house should be given an extra cleaning twice a year and whitewashed, the whitewash having a little crude carbolic acid added.

The dry land farmer usually neglects the poultry. It will pay him to make a business of taking care of his chickens every day just the same as he makes a business of milking his cows. A hundred laying hens taken care of as recommended in this article will bring more money in a year than many farmers get from the average 50 acres of wheat.

The farmer new to careful poultry work should start with 25 hens of a laying strain. In a year he should learn how to handle 100 hens profitably. At the beginning of the third year he should be able to handle 200 and get \$2 a year from each above the cost of feed. Even with 100 hens, the addition of \$200 to the cash income of the farm makes it worth while to spend a little time each day in good care. The hens will lay, no matter how severe the drouth.

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Further information, covering every feature of **International** feed grinders and **I H C.** oil engines, is contained in booklets which we will gladly send. Write for them.

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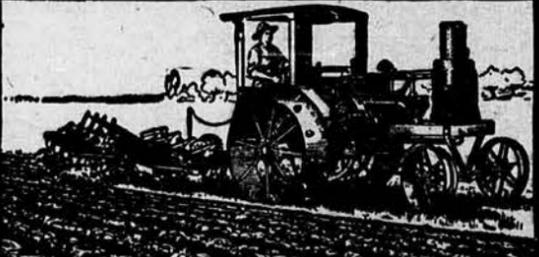
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Kansas Corn Quality Good

Crop in Northern States Badly Damaged by Frost

BY OUR COUNTY CORRESPONDENTS

THE November government report made the quality of this year's corn crop 77.2 per cent compared with 85.1 in 1914, and an average of 86.9. Applying these percentages to the total estimated crop to reduce the yields to the basis of average conditions, it appears that this year's crop would be about 2,790 million bushels, compared with 2,624 million bushels in 1914 and a 5-year average of 2,708 million bushels. This, of course, is a crude way of arriving at the feeding quality of the whole crop. It may be better, or worse, than the figures indicate. The quality is very low in some states; Minnesota 35 per cent, Wisconsin 45, Iowa 48, South Dakota 50, Michigan 62, Nebraska 69, Illinois 79, Ohio and Indiana 81. In all other important states conditions are above the average. Kansas is 88, Missouri 87, Oklahoma 93, Texas 85.

Marion County—Good weather for about a month. Farmers busy husking corn. Corn is good and is making from 30 to 60 bushels to the acre. Some farmers have plowed quite a little for oats. Much road work is being done. Cattle which came from pastures look well. The growing wheat looks good.—Jac. A. Dyck, Nov. 15.

Crawford County—Fine weather the last three weeks. Wheat sowing completed and an average crop was planted. Corn husking well along and corn is turning out well. Fall plowing begun but we need rain to help it along. About the usual number of sales in the county and property of all kinds sells well.—H. F. Painter, Nov. 13.

Leavenworth County—Some of the wheat is not up because it is too dry. Corn is the best for two years. A number of farm sales and everything sells well. More fall plowing done than for many years. Hogs sell cheaper than other stock. Corn 50c to 60c; cows selling as high as \$100. One 5-months mule sold for \$95.—George S. Marshall, Nov. 14.

Logan County—Some fields of corn that matured before the frost making from 40 to 50 bushels to the acre. Late planted corn is not yielding so well as the early. Weather still very warm with a 1/4-inch rain November 10. Wheat sowing completed and it is looking very good. Potatoes 65c; apples 80c; eggs 23c; corn 50c.—R. McCormick, Nov. 12.

KANSAS.

Linn County—Fine weather. Farmers busy plowing, and husking corn. Wheat looks fairly well but needs rain. Fall pastures good. Plenty of feed.—A. M. Markley, Nov. 13.

Labette County—Some fine fall weather and the first heavy frost was November 13. Corn shucking is in progress and the corn is good. Wheat looks nice. Wheat \$1.—Wilbert Hart, Nov. 13.

Harvey County—Corn husking in progress but most of the corn is somewhat tough. High wind and rain Wednesday night blew down a good deal of the corn. Ear corn 45c; shelled corn 47c; wheat 95c; eggs 80c.—H. W. Prouty, Nov. 13.

Lane County—Fine weather the last month. Wheat sowing about finished. Early wheat looking fine but it is a little dry.

Reporters Needed

We need seven more crop reporters in Kansas. The counties in which there are vacancies are Chase, Chautauqua, Ellis, Haskell, Seward, Stanton, and Wichita. If you live in one of these counties and wish to report crop conditions for us, write at once to the Crops Editor, The Farmers Mail and Breeze, Topeka, Kan. The first satisfactory applicant will get the job.

Trego County—Fine, crisp, healthy weather. Wheat looking very good and most of it makes good pasture. Farmers busy finishing up their fall work. Seeding is completed. Stock looking well. No rain for three weeks. Horses, cattle and hogs bringing good prices. Wheat 85c to 90c; corn 70c; oats 40c; butterfat 25c; chickens 9c to 10c; turkeys 11c; apples 70c; potatoes 90c; pears \$1.50.—W. F. Cross, Nov. 13.

Gray County—Wheat pasture very good now. A few farmers still sowing on the corn and kafir ground. Most of the feed is in the shock and it is a fine crop. Corn shucking is in progress and the yield is good. Some farmers got as high as 40 and 50 bushels of corn to the acre. Frost yesterday morning killed tomato and sweet potato vines. Acreage of wheat large and in very good condition.—A. E. Alexander, Nov. 13.

Pawnee County—Nice weather still continues but we had good rain November 10. Wheat doing nicely. Corn husking has begun and the yield is from 25 to 50 bushels and quality is good. Some stock on the wheat pasture and they are doing fine. Sugar beets being harvested and the yield is high and quality very good. Probably more cattle here for winter feed than for years. Wheat going to market at 92c; eggs 34c; butterfat 25c.—C. E. Chesterman, Nov. 13.

Ottawa County—Wheat all sown and early sowing is high enough to pasture. Wheat acreage not nearly so large as usual. No Hessian fly to speak of. All threshing machines running full time. More than 50 per cent of the wheat damaged by wet weather and not turning out as well as expected. Corn husking just begun and yield is good. A month of dry weather has permitted the farmers to catch up with their work. An inch of rain November 10. Wheat 75c to 90c.—W. S. Wakefield, Nov. 13.

OKLAHOMA.

for the late wheat. Farmers busy with feed and headed crops. Corn ready to crib.—F. W. Ferrigo, Nov. 12.

Merton County—Wheat all sown except a few fields. Milo is ready to gather. Some farmers have begun gathering it and it is making a good yield for the season. Sudan grass made a good yield of forage as well as seed.—E. E. Newlin, Nov. 12.

Barber County—Warm weather continues and there is scarcely frost enough to kill tomatoes on the high land. Wheat pasture very good. Threshing still continues good and there is just rain enough to lay the dust. Alfalfa pasture good.—G. H. Reynolds, Nov. 13.

Osborne County—Fine fall weather but we need a rain badly. Late wheat is spotted. Threshing is finished. A large amount of building being done this fall. Not much corn husked yet. Hired help scarce. Stock hogs being shipped in.—W. F. Arnold, Nov. 12.

Rice County—Some farmers still sowing wheat but most of it is up and looking good. There are indications of a large number of flies in the wheat. A little shower would benefit the wheat. A number of farmers gathering corn. Wheat 95c; corn 65c; hens 9c; eggs 28c.—Lester N. Six, Nov. 12.

Franklin County—Corn husking in full force and the yield is better than was expected. Overseers fixing the worst places in the roads. Wheat needs some rain. Stock still on pasture. Good many public sales and everything sells well. Corn 60c; eggs 25c; butterfat 28c.—C. E. Kelsey, Nov. 13.

Jackson County—Nice dry fall weather for several weeks. Farmers catching up with their work. Some corn being cribbed. Quality of corn is very good but it is not yielding as well as expected. Corn blown down badly by last week's storm. Wheat looking fairly well.—F. O. Grubbs, Nov. 15.

Geary County—Fine weather continues. Corn husking in progress and the yield is about 50 bushels to the acre, and quality good. A hard wind and rain storm on November 10. Some hog cholera in the county but other stock doing well. Stock sales bring good prices.—O. R. Strauss, Nov. 13.

Cowley County—Weather clear and dry. First freeze on November 11. Wheat looking well but it is beginning to need rain. Farmers busy husking corn and threshing kafir. Silos all filled, and nearly all of them with kafir. Stock of all kinds doing well. Eggs 25c; corn 45c; wheat 95c; oats 30c.—L. Thurber, Nov. 13.

Hodgeman County—Fine weather the last three weeks. Wheat sowing nearly finished. Early sowing of wheat up to a good stand. Threshing nearly finished. Corn husking and heading kafir, sorghum and tataria is the order of the day. Corn making 35 to 45 bushels to the acre. All stock doing well.—J. M. Boone, Nov. 13.

Pottawatomie County—Three weeks of good weather. Every farmer is busy gathering the crops. Grade of cotton is good but the price is low. Feed plentiful. Stock in good condition. A number of farmers selling hogs at 6c. Corn 40c; eggs 25c.—L. J. Devore, Nov. 12.

Kingfisher County—First killing frost the morning of November 11. Wheat nearly all in. About the same acreage of wheat sown as last year. Some threshing yet to be done. Stock doing well. A good many farmers buying stock to winter. Some hogs dying.—H. A. Reynolds, Nov. 13.

Cotton County—Wheat nearly all up and stand is good. Some wheat to be sown yet. Cotton nearly all picked. Plenty of feed. Stock in good condition. Some public sales and stock brings high prices with the exception of hogs. Wheat 90c; corn 45c; oats 60c; cream 25c; cotton 11c; cotton seed \$30 ton.—Lake Rainbow, Nov. 12.

Blaine County—Good rain November 11. Wheat all sowed and a large acreage was put out. A good deal of the corn land was put in wheat. Corn half husked. Kafir and maize being topped. We have had very nice weather for fall work. Hog cholera about checked. First killing frost November 12. Wheat 90c; corn 42c; maize and kafir 30c; hogs \$6.30.—Henry Willert, Nov. 12.

Trapping Gives a Profit

(Continued from Page 24.)

be drowned. Watch carefully then and as soon as his body floats to the surface, chop a hole in the ice and secure it. Another method of catching muskrats is to use a barrel trap. Take an ordinary barrel and bury it in the bank near the muskrats' houses. Fill it about half full of water and arrange the barrel so the top will be just even with the surface of the ground. On the surface of the water spread pieces of carrots or apples. Then drag a piece of meat, which has been scented with oil of rhodium, from the place where the muskrat usually climbs out of the water to the barrel. This will make a path which will attract him. Next morning visit your barrel and you probably will find a number of muskrats in it. They jump in after the pieces and are not able to climb out again.

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FAWN AND WHITE RUNNER DUCKS—Good stock. \$1.25 each. Mrs. Jake Ayers, Sabetha, Kan.

RUNNERS—BEAUTIFUL FAWN-WHITE from prize winning stock. \$1.00. Mrs. L. H. Taylor, Kincaid, Kan.

CHOICE ENGLISH PENCIL INDIAN Runner ducks. Special price on trios. Mrs. H. O. Mott, White City, Kan.

FINE BUFF ORPINGTON DUCKS, TWO to five dollars pair. Great layers. Larger than Runners. Mrs. C. A. Hall, Fredonia, Kan.

TURKEYS.

MAMMOTH WHITE HOLLAND TOMS \$3.75. Mrs. C. S. Bell, Belmont, Kan.

FINE BOURBON RED TURKEYS. HENS \$3; toms \$4. Otis Miller, Logan, Kan.

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

THOROUGHBRED BRONZE TURKEYS; must sell. E. Bidleman, Kinsley, Kan.

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

MAMMOTH BRONZE TURKEYS BY MY tom that won 1st as cockerel at State Poultry Federation show at Independence, Kan., Jan., 1914. Also American Poultry Association medal as best turkey in show. Mrs. James Altken, Severy, Kan.

LANGSHANS.

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

UNTIL NOV. 15TH. GOOD BLACK LANGSHAN cocks and skis, \$1 and up. Mrs. Geo. W. King, Solomon, Kan.

BLACK LANGSHANS \$1.50 and \$2.00 EACH and Buff and Partridge Cochins Bantams \$2.00 and \$2.50 per pair. R. C. Krum, Stafford, Kan.

BUTTERCUPS.

BUTTERCUP POULTRY YARDS. I WILL mate you a trio of beautiful Buttercups (200 egg strain) for \$10 and ship November 1. Book your orders now and avoid disappointment. No better Buttercups in United States. Prosperity and happiness with this breed. W. C. West, R. No. 5, Topeka, Kan.

BRAHMAS.

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

BANTAMS.

BANTAM BARGAINS. GOLDEN SEABRIGHTS. Glen Bidleman, Kinsley, Kan.

ANCONAS.

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

SEVERAL VARIETIES.

COCKERELS FOR SALE. ANCONAS 75 cents. Blue Andalusions \$1.50. Mrs. John F. Smutay, Irving, Kan.

MAMMOTH BRONZE TURKEYS. PERKINS strain yearling tom \$8.00; yearling hens \$3.50; young toms \$4.50; young hens \$2.50. Fawn and White Runners .50-.75-\$1.00. 6 dozen white hens \$6.50 per dozen. Guineas .50 each. Chida Chapman, Selma, Kan.

LIVE STOCK

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

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

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

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

HAMPSHIRE. SPRING BOARS FOR sale. Satisfaction guaranteed. B. F. Fleischer, Hoyt, Kan.

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

REGISTERED HOLSTEIN BULL CALVES for sale; one ready for service. G. H. Ross, Independence, Kan., R. 1.

FOR SALE—UP-TO-DATE POLAND CHINA pigs, either sex, and a few outstanding spring boars, and another fine litter of White English bull terrier pups, the best stable and watch dog on earth. Prices and quality will please you. C. D. Close, Gordon, Kan.

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

IMMUNED HAMPSHIRE HOGS. SPECIAL price on young boars. \$18.00. Breeding stock for sale. Beatrice Dye, Woodruff, Kan.

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

FOR SALE, OR WOULD TRADE FOR other livestock—2 young jacks, 4 Jennets, 1 Percheron stallion. A. Alkina, Valley Falls, Kan.

HAYNES KING 51475 O. I. C. BOAR, 13 mo. old, sired by Contractor II, \$25, guaranteed. Also June pigs \$10, pedigrees furnished. G. D. Hopkins, Sedan, Kan.

SEEDS AND NURSERIES

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

NEW CROP SUDAN GRASS SEED AT 10 cts. per lb. in 100 lots. W. J. Duncan, Lubbock, Texas.

PLANT THIS FALL SURE-GROUND never in better condition. Trees at wholesale prices. Buy direct. Save agents' commissions. Send postal for free fruit book. Wichita Nursery, Box B, Wichita, Kan.

FOR SALE

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

FOR SALE—HEDGE POSTS; CABLOTS. H. W. Forth, Winfield, Kan.

\$100 BUYS A SMALL GASOLINE TRACTOR. S. B. Vaughan, Newton, Kansas.

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

SCOTCH COLLIE PUPS 6 WEEKS OLD. Sable and white. Eligible to register. Females \$3. Males \$5. Clarence Lacey, Maple Hill Farm, Meriden, Kan.

FOR SALE—16 H. GAS ENGINE PORTABLE 20 H. gas tractor and a 25x35 Minneapolis separator. A bargain. Henry Kramer, Junction City, Kan., R. 2.

PRAIRIE HAY. WE HANDLE HAY IN large quantities and can make shipment any day. Ask for delivered prices. The Osage City Grain & Elevator Co., 416 Main street, Osage City, Kansas.

FOR SALE: A THREE TON AVERY AUTO truck rigged for all kind fieldwork, also with pulley for all kinds beltwork, with drag rack and box with 3 large seats, all overhauled, only run around 150 days fall day's work; reason too big for my use. Address Box 133, Hope, 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 6 1/4 by 205 feet, light 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.

BUSINESS CHANCES

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

FOR SALE—\$10,000.00 STOCK HARDWARE and implements; will discount. Brick building 50x75, two story, rent \$25.00. Good business. Address Box 124, Lost Springs, Kan.

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.

FARMS WANTED

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

WANTED TO HEAR FROM OWNER OF farm or fruit ranch for sale. O. O. Mattson, 72 Andrus Bldg., Minneapolis, Minn.

WANTED TO HEAR FROM OWNER OF good farm for sale. Send cash price and description. D. F. Bush, Minneapolis, Minn.

I HAVE SOME CASH BUYERS FOR SALE-able farms. Will deal with owners only. Give full description, location, and cash price. James P. White, New Franklin, Mo.

LANDS

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

CALIFORNIA IMPROVED FARMS FOR sale. Write E. R. Walte, Shawnee, Okla.

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

FOR SALE OR TRADE. 22 1/2 ACRES Joining Abilene, and 5 lots. C. Sidesinger, Abilene, Kan.

5 ROOM HOUSE IN SHAWNEE, OKLA., for Draft Horse and Jack. Henry Stark, Konawa, Okla.

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

150 ACRES IN STEPHENS CO., OKLA., for sale at bargain price. Urban Wilson, R. 3, La Cygne, Kan.

MILD OPEN COLORADO WINTER. COME see alfalfa, beets, stock farms. Write Keen Bros., Pueblo, Colo.

35 ACRES, WELL IMPROVED, 1/4 MILE of city limits, \$3,200 if sold soon. L. B. Adams, Wilsey, Kan., R. F. D. 2.

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.

TIMBER AND GRAZING LAND, POSSIBLY oil, \$1.75 per acre. Perfect title. Triflers don't answer. Box 306, Vinita, Okla.

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.

SELL OR TRADE. RAW, FENCED, UNINCUMBERED upland quarter, 4 miles east of Garden City, cheap. F. L. Mathews, Sterling, Kan.

HALF SECTION HOMESTEADS NOW open: Valley land, shallow water, home markets, free coal, timber, near railroad. Roy Frazer, Gillette, Wyo.

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 SALE BY OWNER—20 ACRES ADJOINING town; ten room house, barn, garage, well, cistern, fruit, etc. Price \$5,000.00. R. D. McCaslin, Centralia, Nemaha, Co., Ks.

FOR SALE OR EXCHANGE—CLEAR 80 A. in Laramie Valley, 1/2 mi. of R. R. station, 1/2 mi. of Laramie City, Wyo. Level, subirrigated. Progressive Realty Co., Greeley, Colo.

160 ACRES NEAR ROCKY FORD, COLORADO. 80 acres in cultivation and under irrigation from good system. Good improvements. Trade for livery stock. W. W. Thomas.

JEWELL CO. QUARTER—85 A. PLOWED. 20 a. alfalfa, balance pasture and timber. 3 room house, barn, corn crib and granaries. Plenty of water. A good farm. Price \$80 per acre. W. Guy Gillett, Otego, Kan.

CALIFORNIA ALFALFA RANCH FOR sale or trade for eastern Kansas or Nebraska or Iowa or Missouri improved farm. 120 acres, highly improved, 1 mile to station. Price \$30,000. J. G. Jessup, Strathmore, Calif.

PRODUCTIVE LANDS; CROP PAYMENT or easy terms along the Northern Pac. Ry. in Minn., N. D., Mont., Idaho, Wash. and Ore. Free literature. Say what state interests you. L. J. Bricker, 46 Northern Pac. Ry., St. Paul, Minn.

FOR SALE—80 ACRES 1 MILE FROM State Agricultural college, 1/2 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.

TO CLOSE AN ESTATE. 560 A. WASHINGTON County, Kan. 160 creek bottom, balance fine pasture. \$42.50 a. 315 a. Republic Co., Kansas, Mill Creek bottom. Good improvements, orchard, big timber. \$75.00 a. worth \$100. Your own terms. Write A. P. Harris, Elk City, Kan.

FOR SALE—160 ACRES, CADDO COUNTY, Oklahoma, 3 1/2 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 6 per cent, due 1917. Abstract title; taxes and interest paid to date. Terms cash. R. Helmbaugh, owner, Sedan, Kan.

FARMS ON 14 YEARS' TIME. ONLY \$15 an acre. Rich black valley farms, Duval county, Texas, only \$1 an acre cash, balance fourteen yearly payments. No better land anywhere for raising big money crops; finest climate in U. S. Splendid for dairying and live stock; good water; practically twelve months growing season. Will produce excellent crops of alfalfa, corn, forage, such as sorghum, Sudan grass, as well as cotton and all vegetables including potatoes (two crops) and the semi-tropical fruits such as oranges, California grapes, figs. Only a few of these farms for sale. 40, 80 acres and up. Remarkable opportunity for renters and those who want farm homes. Prompt action necessary. Write today for free book describing country, with maps, plats, etc. A postal card will do. C. W. Hahl Company, Inc., owners, 440 Commercial Bank Bldg., Houston, Texas.

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—NICE 10 ACRE HOME, EQUAL parts plow land, pasture and alfalfa, good house, barn and chick houses; all buildings new; good well; good fences; 80 rods to high school; on the old Santa Fe Trail; telephone and rural route. Price and terms reasonable. H. C. Rogers, owner, Herington, Kan.

FURS AND HIDES

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

LET US TAN YOUR HIDES AND FURS, making them into robes, coats and fine fur garments, or manufacturing them from our hides or furs. Send for free magnificent illus. catalogue showing prices, when we furnish, or you send, the skins, also much valuable information. Highest prices paid for hides and furs. Ohman & Sons Co., Box 748, Cedar Rapids, Iowa.

BEES AND HONEY

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

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

LIGHT AMBER EXTRACTED HONEY. 2-60 pound cans \$8.40. Broken combs 2-56 pound cans \$10.64. V. N. Hopper, Las Cruces, N. Mex.

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 60-lb. cans \$11.00. Light amber \$10.00. Amber \$8.50. Single cans 25 cents extra. Bert W. Hopper, Rocky Ford, Colo.

PATENTS

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

PATENTS THAT PAY. \$500.812 CLIENTS made. Searches, Advice and two books free. E. B. Vrooman & Co., 885 F. Washington, D. C.

PATENTS SECURED THROUGH CREDIT system. Free search. Send sketch. Book and advice free. Waters & Co., 4215 Warder Bldg., Washington, D. C.

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

MEN OF IDEAS AND INVENTIVE ABILITY should write for new "List of Needed Inventions," Patent Buyers, and "How to Get Your Patent and Your Money." Advice free. Randolph & Co., Patent Attorneys, Dept. 25, Washington, D. C.

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.

HELP WANTED

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

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

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

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

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

WANTED—A FEW RELIABLE MEN TO sell nursery stock. Conveyance furnished. Good territory now open. Liberal pay, supplies free. F. H. Stannard & Co., Ottawa, Kan.

SUITS \$3.75. PANTS \$1.00 MADE TO measure. For even a better offer than this write and ask for free samples and styles. Knickerbocker Tailoring Co., Dept. 301, Chicago, Ill.

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.

MALE HELP WANTED

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

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

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

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.

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.

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 motorman 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 1/2 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 1/2 cents a word each insertion. No display type or illustrations admitted.

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

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

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

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

WANTED TO BUY—A RUSSIAN WOLF hound (male) about two years old. F. E. Salter, Oak Hill, Kan.

MILLIONS STRAWBERRY PLANTS, thousands rhubarb roots cheap. Southwestern Seed Co., Dept. C, Fayetteville, Ark.

WANTED TO BUY—A NO. 1 COON, skunk and opossum hound. Must be a good one. What have you? Address F. B. Cunningham, care Mail and Breeze.

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.

GUINEA PIGS WANTED—WILL PAY 35c each for any sex over five ounces. Send 25c for book which explains how to make \$25.00 weekly. Now is the time to start in this growing industry. E. S. Van Derlip, Burlingame, Kansas.

BIG WESTERN WEEKLY SIX MONTHS 10 cents. Biggest and best general home and news weekly published in the West. Interesting and instructive departments for young and old. Special offer, six months' trial subscription—twenty-six big issues—10 cents. Address Capper's Weekly, Dept. W. A-12, Topeka, Kan.

ALL ABOUT TRACTORS—YOU WILL want to read this complete illustrated review of all new and old types and sizes of Farm Power Machinery, in Motor Mechanics—a big monthly magazine, covering all power problems: Autos, gas engines, motor cycles, motors, etc. Written so you can understand it. Send 25c stamps or coin, 3 months' trial subscription including Tractor story—\$1.00 for full year's subscription. Motor Mechanics, Dept. B, Cleveland, Ohio.

Ship Us Your Stock That You Want to Market. Our twenty years' experience on this market will save you money. Each department is looked after by competent men. Our weekly market letter will be sent free upon request. See that your stock is billed to us. Ryan-Robinson Commission Co. 421-5 Live Stock Ex., Kansas City, Mo.

Hard wheat—No. 2, nominally \$1.03@1.00; No. 3, nominally 99c@1.07; No. 4, 82c@88c. Soft wheat—No. 2, nominally \$1.10@1.12; No. 3, nominally \$1.01@1.08; No. 4, 82c@88c. Corn—No. 2 white, nominally 69 1/4@60c; No. 3, nominally 58 1/2@59c; No. 2 yellow, nominally 60c@61c; No. 3, nominally 59 1/4@60c; No. 2 mixed, 60c; No. 3, nominally 58 1/2@59c; No. 4, 58c; No. 5, dirty and heating, 54c. Kafir—No. 2 white, 98c. Milo—No. 3, 97c. Barley—No. 4, 50 1/2c. Bran—85c. Shorts—Nominally \$1@1.10. Corn chop (city mills)—\$1.14@1.20. Rye—No. 2, nominally 90c@91c. Seed—A cwt., alfalfa, \$14@16.50; clover, \$13.50@17; timothy, \$5.50@6.50; cane seed, 90c@1; millet, German, \$1.50@1.75; common \$1.25@1.50.

A mulch aids the retention of soil moisture, so essential in the production of a good crop of fruit.

Low Record for Hogs

THE WEEKLY REVIEW.

Hog prices declined 40 to 45 cents the first four days last week to the lowest position since March and the lowest in any November since 1911, and \$1.15 under a year ago. Since Thursday 10 to 15 cents of the loss was regained, and the net loss for the week was 25 to 30 cents.

Hogs weighing 215 to 260 pounds are bringing the top prices, while light weights, which were commanding top prices a month ago, are selling under the heavier hogs. Shippers are taking medium weights.

Receipts this week showed a material increase, and for the first week in several months the five western markets reported more than 300,000, an increase of 59,000 compared with last week and 119,000 more than a year ago. The strength in the market late last week, together with an upturn in prices of provisions Friday, indicates to some traders that the low point has been reached.

The cattle receipts were larger than expected and quality unusually plain. Killers said there were too many of the ordinary kind of cattle here. However, they did not exert themselves when quality was offered. Except for the few loads of good to prime steers that brought \$9.25 to \$10 and were steady, prices were 15 to 25 cents lower.

The steers that sold at \$10 averaged 1,652 pounds, rather grassy, but with plenty of hard fat. Most of the other sales above \$9 were in the yearling class at \$9.35 to \$9.50. Range steers sold at \$5.40 to \$7.75, some Kansas steers that showed feed sold at \$8. More than 150 carloads from Colorado sold at \$6.25 to \$7.15.

The commonest lot of cows of the season were offered. They sold mostly at \$3.50 to \$4.50, but suited killers' needs for canning material. The better cows brought \$5.50 to \$6.50 and heifers \$6 to \$9. Veal calves sold at \$7 to \$10.

Iowa and Minnesota are making large shipments of cattle to Kansas City and the West and Southwest are buying them. This unusual condition is caused by corn in northern states being damaged by frosts and the large supply of rough feed in the Southwest and the comparatively low prices these cattle are bringing. Most of these northern cattle are selling at \$6 to \$6.50, some as low as \$5.25. They are more than \$1 lower than a year ago. The decline this week was quoted at 15 to 40 cents. Total shipments to the country for the week were 42,000.

Sheep prices last week averaged about steady, with the top price for lambs \$8.90. Some short fed lambs are coming, but they do not show sufficient feed to bring a premium over choice range lambs. The season for the latter class is about over. Feeders continue to buy their lambs, paying \$7.75 to \$8.30. Fat lambs are quoted at \$8.50 to \$8.85.

Receipts of Livestock.

Table with columns: Cattle, Last week, Preceding week, Year ago. Rows: Kansas City, Chicago, Five markets, Hogs, Kansas City, Chicago, Five markets, Sheep, Kansas City, Chicago, Five markets.

Movement of Wheat is Large.

Total arrivals at the five important winter and spring wheat markets last week were 14,082 cars, almost as large as in the preceding week, 27 per cent more than a year ago and nearly twice as large as two years ago.

Accumulation of wheat at market centers showed further enlargement which was regarded as significant, in view of the record breaking exports and big domestic flour production. Stocks of wheat in Kansas City increased 460,000 bushels last week; Minneapolis increased 975,000 bushels; Duluth, 2 million bushels, or more. Chicago received a million bushels more than shipped. Seaboard arrivals were about 2 1/2 million bushels more than exports.

Disappointing Corn Receipts.

A firm tone persisted in the corn market despite the big official estimate of the crop. The government estimate of this year's corn crop was 3,090,500,000 bushels, 6 1/2 million bushels more than indicated a month ago and 418 million bushels more than a year ago.

Primary receipts of corn continue below expectations. The three principal markets received last week 1,624 cars, 45 per cent more than in the preceding week, though 25 per cent less than a year ago. Carlot offerings in Kansas City sold readily, but prices yesterday were 1/4c to 1 1/4c lower than a week ago.

Hard wheat—No. 2, nominally \$1.03@1.00; No. 3, nominally 99c@1.07; No. 4, 82c@88c. Soft wheat—No. 2, nominally \$1.10@1.12; No. 3, nominally \$1.01@1.08; No. 4, 82c@88c. Corn—No. 2 white, nominally 69 1/4@60c; No. 3, nominally 58 1/2@59c; No. 2 yellow, nominally 60c@61c; No. 3, nominally 59 1/4@60c; No. 2 mixed, 60c; No. 3, nominally 58 1/2@59c; No. 4, 58c; No. 5, dirty and heating, 54c. Kafir—No. 2 white, 98c. Milo—No. 3, 97c. Barley—No. 4, 50 1/2c. Bran—85c. Shorts—Nominally \$1@1.10. Corn chop (city mills)—\$1.14@1.20. Rye—No. 2, nominally 90c@91c. Seed—A cwt., alfalfa, \$14@16.50; clover, \$13.50@17; timothy, \$5.50@6.50; cane seed, 90c@1; millet, German, \$1.50@1.75; common \$1.25@1.50. Foamy butter is a sign that the cream was too sour.

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

WHITE 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.

1929 A. 10 mi. Meade, 700 a. farm land, bal. pasture, \$12.50 a. G. W. Day, Meade, Kan.

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

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

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

297 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 Baker University, write D. E. Houston & Co. Some trades.

IMPROVED Jewel 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, Holingston, Kan.

100 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.

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

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

LAND \$15 to \$35 an acre; with corn making 60 bu. to acre; wheat 20 to 40; all other crops good. Send for literature. Buxton & Rutherford, Utica, Ness Co., Kan.

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 Ran-son, 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 \$1,600.00. V. E. West, Ransom, Kansas.

YOUR CHANCE. 160 acres, 4 mi. from Pea-body. 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 Holingston, 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. \$8,000 cash, remainder long time at 6%. Casida & Clark, Ottawa, Kansas.

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

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. \$13.00 down. 40 a. imp. Snap, \$40.00 acre; terms. F. H. Atchison, Waverly, Kan.

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

Improved 480 Acre Bargain 190 a. in cult., 110 a. fine meadow, 175 a. blue stem pasture; rich soil. A big snap. Price \$30 per a. Worth \$50. M. T. Spang, Fredonia, Kansas.

2-Rare Bargains-2 Choice level 160 a. farm, \$4 a. cash. Also well imp. alfalfa farm 158 a. Perfect title. Immediate possession \$50 a. Terms, Western Real Estate Exchange Co., Syracuse, Ks.

Biggest Ranch Bargain in Kansas 6,274 acres, Butler Co. Over 3,000 acres beautiful, level, rich, tillable and all finest blue stem, limestone pasture, one body. Timber and overlying water, \$21. V. A. Osburn, El Dorado, 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.

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. Book & Son, Cottonwood Falls, Kansas.

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.

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.; 800 in cult.; 300 in wheat; large house, and barn. Never-falling springs. Want eastern land or cheap for cash. Live Wire Realty Co., Wichita, Kan.

Special Bargains 80-acre farm, 1/2 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.

FOR SALE OR EXCHANGE LANDS TO TRADE for general merchandise. J. M. Denning, Park, Kansas.

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

LANDS FOR SALE AND EXCHANGE for western lands. John Goff, Willow Springs, Mo.

FARMS AND LAND TO EXCH. for mdse. or income property. C. L. Kraft, Little Rock, Ark.

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 com, alfalfa, wheat land in U. S. Write for list. 116 N. 8th, St. Joseph, Mo.

HEADQUARTERS for best wheat and alfalfa lands in Kansas; will exchange and assume. Jones Land Co., Sylvia, Kansas.

80 ACRES, mife 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.

640 Acres 240 acres cult., bal. 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.

A Few Bargains 4000 acre ranch for sale, Western Kansas, \$8 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 1/2 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.

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.

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

ARKANSAS FOR CHEAP CORN, alfalfa and truck farms write W. L. Perkins, Ashdown, Ark.

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

200 A. Impr. Part valley; 60 a. cult., 2 1/2 mi. railroad. \$20.00 acre. Terms. C. L. Kraft, Little Rock, Ark.

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 Ozark 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; 1/2 mi. school; 1 1/2 mi. railroad. Price \$750. Free list. W. J. Copp, Calico Rock, Ark.

FOR SALE: 890 acre plantation; 665 in cultivation, 50 deadening. Rents \$5.00. Excellent investment or home. Cash \$10,000; deferred payments \$26,000. Age makes sale necessary. N. T. Roberts, Pine Bluff, 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, 1/2 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.

WE PAY RAILROAD FARE To Arkansas special land sale. Sell 40 a. or more. 14,000 a. in tract. Good level land, near large city. Good market, railroad, automobile pike. No rock, no swamps; very healthy. \$10 per a., easy terms. Refund money paid any time during purchase period if dissatisfied, or will loan purchase money 3 years 6% int. for improving land. Bank guarantees fulfillment of contract. Alexander & Son, Little Rock, Ark.

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, 80 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.

FLORIDA WE OWN OVER 12,000 ACRES of choice citrus fruit and general farming land in the beautiful highlands district of Orange County, Florida, close to R. R. and other improvements, which we are wholesaling and retailing at rock bottom prices, or will exchange for good northern property on a cash basis. Write for further particulars. O. P. KROH, Scarritt Bldg., Kansas City, Mo.

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.

Homes in the Ozarks 160, well improved, \$2400. 120, well impr., \$1200. 40 a. well improved, \$600. 4400 acres best unimproved land in state for sale cheap or exchange. Write us for lists and particulars. Ozark Realty Co., Ava, Mo.

TRADE YOUR SHORTHORNS FOR LAND. We have several good farms both improved and unimproved, priced to sell and will accept registered Shorthorn cattle as part or whole pay. If interested write today for description of land. Jacob C. Good, Owner, Chickasha, Okla.

FOR SALE OR EXCHANGE. A splendid shallow water relinquishment. A bearing vineyard, good bearing orchard. A 320 acre irrigated alfalfa farm, must be disposed of on account of mortgage. Olney Realty Co., Olney Springs, Colo.

FOR SALE OR EXCHANGE. 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.

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

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.

FOR INFORMATION about lands and loans write Jordan Land & Loan Co., Pauls Valley, Oklahoma.

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

FINE GRAZING AND FARM LANDS for sale in Eastern Oklahoma. Write J. L. Shinaberger, McAlester, Oklahoma.

850 ACRES, 200 cult., 150 rough timber pasture, imp. Joins station. Good water. \$27.50 a. C. M. Smith, Crowder, Okla.

120 A. 1 mile city 1200, this county. All in cultivation. Two sets improvements, 2 a. orchard. Splendid soil. Rents \$100, \$27 per a. Southern Realty Co., McAlester, Okla.

160 ACRES, 7 miles Texhoma, 60 acres sub-irrigated alfalfa land, \$10 an acre. Terms. No trade. Address owner L. E. Job, Texhoma, 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.

850 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.

FOR QUICK SALE 1/2 section fertile land; ideal grain and stock farm. 200 a. cult., well fenced. 800 rods hog tight. R. F. D. and telephone. 3 1/2 mi. railway town; good improvements, plenty pure water. Good neighborhood, 100 a. in wheat. Priced right. Write or wire, if interested. State A. & M. College located here. Ed Thatcher, Stillwater, 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.

COLORADO

POOR MAN'S CHANCE. Fine imp. 320 a. Kit Carson Co., Colo. \$5000, terms. O. W. Gale, 108 N. Nevada, Colorado Springs, Colo.

FOR SALE: Fruit tracts and irrigated farms in Northern Colorado. Write me what you want. A. H. Goddard, Loveland, Colorado.

A SNAP. Eastern Colorado 320 acre splendid imp. farm, 3 1/2 miles from two towns, 45 head fine cattle, 18 horses, hogs and poultry. Good set of machinery; two wells and windmills. (Plenty free range. Price for all \$12,000. A. M. Riedesel, 519 Kittredge Bldg., Denver, Colo.

25 BU. WHEAT LAND from \$5 to \$15 per acre in tracts to suit. Particulars. Pinkham & Davis, Holly, Colorado.

320 A. 10 mi. Yoder; 1/2 mi. school, store and P. O. Adjoining land held at \$25; on line proposed interurban Ry. Price \$12,500. Horace Meloy, Calhan, 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, 1/4 cash, bal. 3 years 6%. Harry Maher, Deer Trail, Colo.

FOR SALE. 240 acres valley land, 16 miles east of Colorado Springs and 1 1/2 miles south of Falcon, Colo. New four room house, chicken house, granary and barn. Barn holds ten head of horses, 16 cows, (stanchioned) and twenty tons of hay; all the above buildings are just completed and have not been occupied. Land can all be irrigated and has artesian well, also small running stream. 40 acres cultivated, balance hay and pasture land but could all be plowed. Place cut 60 tons of hay this year. Price \$25.00 per acre. Terms. J. W. Hupp, Falcon, Colo.

2000 ACRES

Alfalfa, hogs, cattle. Colorado's best farm. 2 large cement silos. High class buildings, trout lake, sparkling springs. Near Colo. Springs, R. R. 1 mile. Low price. Free book. Keen Bros., owners, Pueblo, Colo.

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.

MISSOURI

WRITE J. H. Wright, Marshfield, Missouri, for farm lists of good farms.

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.

KERAN & WEGNER, real estate, Lockwood, Mo. Write for information, English or German.

120 ACRES, 3 miles out. Lays fine. Eight room house; large barn; fruit; tame grass for stock and dairy purposes. \$45.00 a. Terms. Baker Inv. Co., Mountain Grove, Mo.

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.

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. Blee, Oran, Missouri.

SOUTH DAKOTA

South Dakota Land Bulletins

Official publications showing the crop production and opportunities for farming and investment in the various sections of the state, including the most prosperous farming section of the United States and the cheap lands just developing. Address Department of Immigration, Capital E-8, 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.

NEW YORK

CIRCUMSTANCES AND too much land forces sale at once. 170 acres. \$1,500 worth saw timber; large basement barns; other barns, silo, 10-room good house; land lays fine. Tractor can plow it. Fruit a plenty. School, church and creamery a mile. Price \$5,000; \$2,000 cash. No reasonable price refused. Hall's Farm Agency, Owego, Tioga Co., N. Y.

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.

CALIFORNIA

FOR SALE—40 acre fruit farm, \$20,000.00, half cash, balance, terms. Income \$75.00 per acre. Box 31, Reedley, Fresno Co., Calif.

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

Big Stock Ranch 7360 a.; improved. 2000 acres hay and grain; cattle, horses, hogs, splendid range adjoining. Terms. Also offer farms and orchards. Write H. W. Arnold & Co., Boise, Idaho.



Horse Book FREE

Here is a book that should be in the hands of every horse owner! Admittedly the greatest book on the subject ever written and practically worth its weight in gold to horse owners and livestock breeders. 600 large pages profusely illustrated. Part 1 deals in plain language with the theory and practice of Veterinary Science—Diseases of Horses, Cattle, Sheep, Poultry, Swine and Dogs—with tested and proved remedies. Part 2 contains Prof. Gleason's famous System of Horse Breaking, Training and Taming. Gleason's marvelous skill in training and treating horses is known throughout the entire world and he is considered the world's greatest authority in this field. Our Great Offer! By a special arrangement we are able for a limited time to offer "Gleason's Horse Book" absolutely free—postage prepaid—to all who send \$1.00 to pay for a one-year—new or renewal—subscription to our big farm weekly. Send your name and \$1.00 at once. Mail and Breeze, Dept. H B-10, Topeka, Kansas

WHAT BREEDERS ARE DOING

FRANK HOWARD, Manager Livestock Department. FIELDMEN.

A. B. Hunter, S. W. Kansas and West Okla., 614 So. Water St., Wichita, Kan. John W. Johnson, N. Kansas and S. Nebraska, 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. 7—W. S. Cora, White Hall, Ill. 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.

Percherons and Other Draft Breeds.

Jan. 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.

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 Weinert, Falls City, Neb.

Hereford Cattle.

March 4—Carl Behrent, Oronoque, Kan. Sale at Norton, Kan.

Poland China Hogs.

Jan. 14—J. G. Burt, Solomon, Kan. Jan. 18—D. C. Longan, 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 Fesemeyer, Clarinda, Ia. Feb. 9—C. A. Lewis, Beatrice, Neb. Feb. 10—Wm. McCurdy, Tobias, 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, Kan. 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.

Wesley W. Trumbo, Peabody, Kan., has a nice lot of spring boars, several out of good dams and by Mary's Col., a brother of the champion sow, Queen Mary. Others are by Crimmon McWunder, by the prize winning Crimmon Wonder IV and out of Lady Good E. Nuff, by the grand champion, Good E. Nuff, by the grand champion, stretchy fellows ready for service and Mr. Trumbo's customers are writing him nice letters about how well they are pleased when these boars arrive. All are immune. Read his card in this issue and send him your order, mentioning Farmers Mail and Breeze.—Advertisement.

Shorthorn Sale at Winfield.

Levi Eckhardt, Winfield, Kan., will disperse his entire herd of Shorthorn cattle at Winfield, Kan., Tuesday, November 30. This will be the greatest opportunity to buy grandsons and granddaughters of the noted Avondale, ever offered in Kansas. 75 head of the younger things in this offering are by Rosewood Dale, by the great Avondale, and the larger part of the 115 head of bred cows and heifers are safe in calf to this great breeding son of Avondale. These 180 head of Shorthorns trace largely to the best milking strains. The older foundation females were actual workers in Mr. Eckhardt's Wisconsin dairy herd and when topped by such sires as Rosewood Dale, by Avondale and Satin Royal, by Choice Archer not only has that milking quality been retained but they show a wonderful uniformity of

that thick fleshed, easy-feeding type so much sought by the beef producer. You cannot afford to miss this sale if you want well bred producing Shorthorns. Get your neighbor who is in need of good Shorthorns to come with you and do not fail to arrange to be at this big sale which will be held, rain or shine, under cover right in town Tuesday, November 30. Catalogs are now ready. Write for one today mentioning Farmers Mail and Breeze.—Advertisement.

Attend This Great Jack Sale.

H. T. Hineman & Sons, Dighton, Kan., and D. J. Hutchins, Sterling, Kan., will sell the greatest lot of Jacks and Jennets ever offered at auction in Kansas, Tuesday, December 14. If you are at all interested in Jacks or Jennets you cannot afford to miss this sale. Included in this sale will be not only prize winners at the San Francisco fair this year but Jacks sired by and Jennets in foal to such Jacks as Kansas Chief, grand champion at this great fair, and their Kansas grand champion Jacks, Pharoah and Eastern Lightning. Do not fail to read display advertising in this issue and write today for illustrated catalog. Please mention Farmers Mail and Breeze.—Advertisement.

Salter's Shorthorn Sale.

Park E. Salter, Augusta, Kan., sold Shorthorns, Tuesday, November 9. While the sale was very satisfactory, yet prices ruled rather low. A large part of the offering consisted of young stock. Those in sale ring condition brought very fair prices. Those not in sale condition tended to lower the average. The top of the young bulls went to Levi Eckhardt, Winfield, Kan., at \$100 for the April calf, Good Archer. Lewis Brothers of Florence, Kan., bought the top of the female offering for \$130. Other buyers were Roy Smock, Iola, Kan.; William Grant, Oxford, Kan.; J. S. Pickitt, Ashland, Kan.; S. D. Neville, Maize, Kan.; D. E. Doyle, Douglas, Kan.; C. J. Cox, Rose Hill, Kan.; A. L. Snodgrass, Augusta, Kan., and Lee Setters, Augusta, Kan.—Advertisement.

Percherons by the Great Carnot.

W. S. Cora, White Hall, Ill., will hold his regular annual sale of Percherons, Tuesday, December 7, at Gregory Farm near White Hall. This is the home of the great Carnot 66666 (66666), the grand champion Percheron stallion of both America and France, 1909. He was purchased by Mr. Cora at what seemed at the time a long price, \$10,000. Mr. Cora's motto is "We show what we grow by Carnot," and what they won this year on 12 of this great champion's sons and daughters has proved him a wonderful producer of prize winners. At the leading state fairs and at the Panama-Pacific Exposition Mr. Cora won on his get eight champion and grand champion prizes, 31 first prizes, 13 second prizes and eight thirds. In this coming sale will be sold a number of these prize winners and several 2-year-old prospects, sons of this great sire, Carnot. The brood mares and fillies are high class and licensed to produce prize winners. Please bear in mind that every mare of the entire 30 head offered is either sired by or bred to this great sire of prize winners, the grand champion Carnot. Instead of importing these high class Percherons from Europe when the war is over the chances are strong that it will be America's turn to furnish Europe with breeding stock. Mr. Cora has proved it pays to buy the best. A trip to the Gregory Farm by any Percheron breeder is well worth the time and expense of the trip; only 67 miles north of St. Louis and one night's run from Kansas City. Send today for an illustrated catalog, containing pictures and particulars regarding this great Carnot offering and arrange to be a guest of Mr. Cora's sale day, Tuesday, December 7.—Advertisement.

A Great Duroc-Jersey Sale.

R. W. Baldwin of Conway, Kan., has been advertising his Duroc-Jerseys in Farmers Mail and Breeze for more than two years and has sold to hundreds of our readers, stock that has given entire satisfaction. Mr. Baldwin owns and operates one of the largest Duroc plants in the West and while he has had a splendid business from his card advertising he has accumulated enough good ones to enable him to hold a public sale. On Wednesday, December 1, he will sell 80 head. The offering will include 20 sows and gilts with pigs at side; 40 bred sows and gilts, some to farrow this fall, and 20 spring boars. Most of the sows and gilts with pigs at side are sired by Kan. Ohio Chief, a grandson of the \$7,000 Ohio Chief. These litters are by Bell the Boy, first prize winner at Kansas and Tennessee State Fairs and the Interstate Fair at St. Joe, Mo. The 40 bred sows and gilts are sired by Bell the Boy, Kan. Ohio Chief and Red Wonder Again. These sows are bred to Bell the Boy, Red Wonder Again, Graduate Col. Again and Model Top Again. Red Wonder Again is an Ohio bred boar and a descendant of the International grand champion, Red Wonder. Model Top Again was a prize winner at both Hutchinson and Topeka this year and was highly complimented by the judge. The spring boars are sired by Bell the Boy, and Red Wonder Again. In addition to the spring boars Mr. Conway is going to sell Graduate Col. Again. The entire offering with the exception of the litters at side, have been vaccinated by the double treatment and will be sold guaranteed immune for three months. Mr. Baldwin's offering will surely please you and it is worth a day of your time to visit this big plant. Write today for catalog and arrange to attend the sale.—Advertisement.

N. Kansas and S. Nebraska

BY JOHN W. JOHNSON.

Have you written H. C. Graner, Lancaster, Kan., about a big March Poland China boar? He has some good ones and is making prices that will be found right.—Advertisement.

F. C. Gookin, Russell, Kan., changes his advertisement in this issue and is offering spring boars and gilts for sale, also fall pigs, both sexes, pairs and trios not related. Write him for prices and descriptions.—Advertisement.

Higginbotham Brothers' Holsteins.

Any of our readers who are interested in Holstein-Friesian cattle and want to buy cows, heifers or bulls should correspond

with Higginbotham Brothers, Rossville, Kan. They are offering a large number of high bred registered Holstein cows and heifers, all good ages and good producers. They also have several bulls ranging in age from calves to bulls old enough for service. They will make good prices on any of this stock. When writing kindly mention Farmers Mail and Breeze.—Advertisement.

Registered Holstein Bulls.

David Coleman & Sons of Denison, Kan., have a card ad in the Holstein section in this issue of Farmers Mail and Breeze, in which they are offering some registered Holstein bulls ready for service. These bulls are from high producing cows and are priced to sell. They are sired by the Coleman herd bull Buffalo Aguilardo Dode whose dam is the highest record daughter of Paul Beets DeKol, the sire of 105 A. R. O. daughters. As a 3-year-old she produced 932 pounds of butter from 22,485 pounds of milk. His sire has two daughters to make better than 800 pounds of butter on a year's test. The dams of the bulls offered are from good producing strains, all having seven days' butter record from 12 to 23 pounds. These are strictly high class bulls from a strictly high class herd. Write for descriptions and pedigrees. Please mention Farmers Mail and Breeze.—Advertisement.

Top's From Spring Crop.

R. T. & W. J. Garrett, breeders of Duroc-Jerseys, Steele City, Neb., have selected 25 boars, the tops of their 150 spring pig crop, for the season's trade. They have some extra good boars in this selection. They are of March and April farrow, bred right and fed right, and sired by the great breeding boars Van's Crimson Wonder and Dora's Climax. They have been breeding Duroc-Jerseys for several years and have shipped to eight different states and never had a boar returned. Their herd at present numbers over 200 head, big and little. They do not ship out anything that they think will not do well for the buyer and be a credit to their herd. They will have a nice lot of bred gilts for sale later on in the season. These will be bred to Dora's Climax and a son of Crimson Echo 2d, out of Miss Wonder, first prize junior yearling sow at the Nebraska State Fair, 1914. Mention Farmers Mail and Breeze when writing.—Advertisement.

Poland China Spring Gilts.

John Coleman, Denison, Kan., changes his advertisement in this issue of the Farmers Mail and Breeze and offers Poland China spring gilts bred or open and a fine lot of September pigs in pairs and trios not related. Mr. Coleman guarantees everything he sells to give satisfaction. He has been in the Poland China business a good while and finds this the most pleasant and profitable way to do business. He is all sold out of spring boars but has a nice lot of spring gilts which will be bred to your order and held until safe and then shipped, or he will sell them open. The September pigs are a dandy lot of youngsters that will be sold at very low prices in pairs, trios or singly. The express weight of course be very much less on these pigs than on older stock. Remember Mr. Coleman is one of the good breeders of big type Poland Chinas in northeastern Kansas. Write him for prices and descriptions.—Advertisement.

Lamer's Big Percheron Sale.

C. W. Lamer, the big Percheron importer and breeder of Salina, Kan., will make a draft sale of 45 head at his Pioneer Stud Farm, 17 miles south of Salina, on Wednesday, December 8. Parties desiring to attend this sale should go to Salina the night before as Mr. Lamer will run a special train from Salina to the farm on the morning of the sale, and returning in the evening in time to make connections east or west. The offering in this sale will include 11 mares, 14 fillies, 10 service stallions, 2, 3 and 4 years old and nine yearling stallions. No breeder will offer a better bunch of yearlings than these nine. The mares and fillies will be bred to the grand champion stallion Imlen. Mr. Lamer has worked the mares on his farm and has taken special care to see that they are safe in foal. For conformation and weight this offering will not be excelled in any public sale soon. In addition to the registered horses Mr. Lamer will sell 100 farm horses and mares and 20 mules. These farm mares are all good and a part of them are safe in foal. Write Mr. Lamer at once for further information and mention Farmers Mail and Breeze.—Advertisement.

German Coach Horse Sale.

Jos. Wear & Son, Barnard, Kan., are extensive breeders of Oldenburg German Coach horses and their exhibits at several of the big western shows in 1912 and 1913 will be remembered by lovers of these beautiful and serviceable horses. The Wears operate their big 5,000 acre farm with these horses exclusively and have done so for years. At the present time they have about 80 head on the farm and have decided upon a public sale which will be held at the fair grounds, Beloit, Kan., January 17. In this sale they will sell about 35 head, including their international prize winning stallion that has stood at the head of their herd for some time. They will reserve a choice string of his fillies. There will also be included in the sale nine other young stallions, several of them having been in service last season. All of them are registered. There will be choice mares and fillies sold and the offering will be very attractive to lovers of the Coach horse. This is a sale of surplus stock from the largest herd of Coach horses in the West. Ask to be booked for the catalog.—Advertisement.

Big Reduction Stock Sale.

In this issue of the Farmers Mail and Breeze will be found the advertisement of Isaac Huscher's big registered stock sale which will be held at his farm near Ames, Kan., which is in Cloud county, on the Missouri Pacific between Clyde and Concordia. Parties coming either to Concordia or Clyde on other roads can phone to the farm for a conveyance to the farm. In this sale Mr. Huscher is selling three registered Percheron stallions, two of them imported and one splendid black American bred stallion. All of them are in their prime of usefulness. They have been handled and cared for by Mr. Huscher himself who is an expert with horses. He is making the sale to get away from so much work and is not selling a single animal because of any fault. He is also selling four registered jacks and four registered Jennets. The jacks have all been in

service on Mr. Huscher's breeding farm with the exception of one that is only a yearling. The Jennets are with foal. He is also selling 30 Poland Chinas, 12 boars and 18 gilts. They are by his herd boar, Expansive Pride, by Expansive. Mr. Huscher's foundation in the Poland China business came from the H. B. Walter herd and is largely of the old Expansive breeding. He will sell 14 mules from a year old to 3 years old. Everything in this sale is in good breeding form and is not a lot of stock bought to speculate with. It is a big reduction sale that is made in good faith by one of Cloud county's best known farmers and stock breeders, Isaac Huscher stands back of every transaction. Write him today for the catalog and attend this sale.—Advertisement.

N. Missouri, Iowa and Illinois

BY ED. R. DORSEY.

We regret that our command of language is not sufficient to describe the good herd of hogs owned by Wigstone Brothers, Stanton, Ia. They own the first big type Poland China to win a premium at the Iowa State Fair since 1892, when Chief Tecumseh 2d won the first prize in the yearling class and Free Trade won the grand championship. Not only has Chief Price Again won that distinguished honor but he has become known all over the country as a breeder. He has to his credit a good many sows that have sold for \$200 or more and his get averaged \$74 a head at the Chief Price Again sales held for the Wigstone Brothers. This grand old hog is now not tempt his owners even at this age as he is as spry as a yearling. As a 2-year-old he weighed 1024 pounds and likely he never has weighed less than 800 pounds in breeding form, since. This firm has five smashing great big males. The next one in size and in a year he will be larger than Chief Price Again 2d, is Longfellow Special, bred by George Sefret, by his great 1100 pound boar, Longfellow Jr., by Old Longfellow, out of Mollie Fair, bred by W. J. Crow, by Crow's Special. This young hog is classy. Keep him in mind for the Wigstone Brothers will hold their bred sow sale February 2, and it will be safe to buy sows bred to Longfellow Special. Brookside Wonder is a splendid hog, bred by Henry Fesenmeyer and sired by A. Wonder, out of Gretchen, by Big Joe. This is a cross too well and favorably known to need any comment. Many excellent sows for the sale will be bred to him. The Wigstone Brothers are known for their great sow herd. They have 50 or 60 big sows that range from 500 pounds to 900 pounds in fair flesh.—Advertisement.

Fesenmeyer's February Sale.

Henry Fesenmeyer of Clarinda, Ia., is to the Iowa breeders what H. C. Lookabaugh, Watonga, Okla., is to the Shorthorn cattle business of the South-west. Every breeder in Iowa is benefited by the money Mr. Fesenmeyer spends advertising his own herd. Big Joe and A. Wonder would never have been known outside of a small territory, but for a man with "ped" behind them. They are both dead but will not be forgotten soon. Mr. Fesenmeyer has a live one coming on in the junior champion of Nebraska, Fessey's Tim, by the grand champion of 1915, Big Tim, by Big Orphan, the grand champion of 1914 and a full brother of Columbus, the grand champion of 1913. The litter sister of this young boar, Fessey's Choice, won the class prize and junior championship. Fessey's Tim and his sisters won the young-herd, produce-of-sow and get-of-boar prizes, at the Nebraska State Fair of 1915. The readers will notice that this breeder chooses a line of state fair champions to take the place of the two greatest advertised boars the world ever knew. He also has added to his herd Progression, a hog we greatly admire and believe he could not have selected a better male to cross on the daughters of Big Joe. He is by Panorama, by Expansion, both grand champions and out of Mow's Spot, the dam of D's Defender, the head of the Defender family. Mr. Fesenmeyer will sell bred sows February 9 and the offering will

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 year old sows, bred to order or open. E. J. LINSOTT, 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.

LIVESTOCK AUCTIONEERS.

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 live stock, real estate and general sales. HUTCHINSON, KAN.

Rule Bros., H. T. & R. D., Ottawa, Kan. Livestock sales a specialty. Write for dates.

Jas. T. McCulloch, Clay Center, Kan. References I am selling for every year. Write for open dates.

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.

Registered Percheron Stallions big frame, lots of bone. Five 2200 pound coming 5 year olds, 13 coming 4's, 32 coming 3's, 17 coming 2's. Well fed and offered at growers' prices. Sound and from sound stock. Grandsons twice littered mares for sale. Just above Kansas City. FRED CHANDLER PERCHERON RANCH, R. 7, CHARITON, IOWA.



LIVESTOCK AUCTIONEERS.

Col. E. Walters Skedee Oklahoma
W. B. Carpenter 818 Walnut St. Kansas City, Mo.

Sell your farms and city property at auction, as well as your pedigreed livestock. Write either for dates. Also instructors in **Missouri Auction School**

O. I. C. HOGS.

IMMUNED O. I. C's April and July pigs. Special big time. A. G. COOK, LURAY, KANSAS

Western Herd O. I. 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 culls. \$25 each. Also few choice gilts. Inspection invited. AMOS TURNER, WILBER, NEBRASKA, (SALINE CO.)

Smooth Heavy Boned O. I. 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! 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 FEINER, ALMA, MISSOURI



HOLSTEIN CATTLE.

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. H. B. Cowles, Topeka, Kan.

HOLSTEINS Registered Holstein bulls, ready for service from high record cows. Priced to sell. Write for description and pedigrees. David Coleman & Sons, Denison, Kansas

One Reg. 2-Year-Old Holstein Bull mostly white, for sale. Great granddame King Segis; great granddam Johanna DeKol Van Beers; over 40 lbs. butter in a week. Have sold all my cows; have no use for him. Price \$125. D. E. WAGGONER, Independence, 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.

MAPLEWOOD HOLSTEINS Herd headed by Canary Butter Boy King. You are invited to visit our herd of Holsteins. Write for general information, as to what we have for sale. Mott & Seaborn, Herington, Kansas

200—Holsteins—200 I am offering two hundred head of bred and unbred Holstein heifers for sale. They are bred up until practically full bloods. They are from the very best milking strains of these famous dairy cattle. If you want HOLSTEINS see my herd before buying. I can supply you at the right price. Write for prices and descriptions. J. C. Robison, 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



Spencer Young, Osborne, Kan. Livestock Auctioneer. Write for dates.

John D. Snyder AUCTIONEER, successfully sells pure bred live stock, real estate and general sales. HUTCHINSON, KAN.

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Jas. T. McCulloch, Clay Center, Kan. References I am selling for every year. Write for open dates.

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.

HORSES.

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

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 Philip 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

HAMPSHIRE.

REGISTERED HAMPSHIRE HOGS Bred gilts and nicely belted pigs, priced reasonable. C. I. Buck, Canton, Okla.

REGISTERED HAMPSHIRE 150 gilts and 20 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. 6, Wichita, Kan.

GALLOWAY CATTLE.

Bulls, Cows, Heifers CAPITAL VIEW GALLOWAYS I want to sell 200 head and will make special prices for next twenty days. Breeding same as my show herd. G. E. CLARK, 205 W. 21st St., TOPEKA, KANSAS.

HOLSTEIN CATTLE. **Holsteins For Sale** high bred registered bulls ready for service. N. S. ANSPACKER, JAMESTOWN, KANS.

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 23-pound bull and whose dams' sire is a 30.26-pound bull, a 1/4 brother to the sire of the world's champion cow, Flanderne Holingen Fayne. Shulthis, Robinson & Shultz INDEPENDENCE KANSAS

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ABERDEEN-ANGUS
Aberdeen Angus Cattle
 Herd headed by Louis of Viewpoint 4th. 150004, 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.
 C. 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.
 L. W. POULTON, 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 Cremo, the 18 times champion. Visitors welcome. Farm near town. Address
 Ed Nickelson, Owner, Leonardville, Kansas

HEREFORDS
 Registered horned and double standard polled
Hereford Bulls For Sale
 Also a few horned heifers. JOHN M. LEWIS, LARNED, KAN.

60 Pure Bred White Face Heifers
 for sale, two-year-olds, bred to registered bull. Price \$80.00 per head. D. E. WAGGONER, Independence, Kan.

Blue Valley Breeding Farm
 FOR SALE. Two No. 1 herd bulls at \$300 each; 10 head of good young bulls from \$75 to \$100 delivered. 3 head of yearling heifers at \$85 per head; 7 head of heifer calves at \$75 per head. 10 head of Poland hogs from \$15 to \$35 delivered. One No. 1 large herd boar at \$50. 40 E. P. Rock cockerels \$1.00 to \$2.50 each delivered.
 Fred R. Cottrell, Irving, Kansas

JERSEY CATTLE
QUIVERA JERSEYS Males and females for sale at all times. One bull ready for immediate service. Our cows are paying at the pail. E. G. Munsell, Herington, Kansas

LINSCOTT JERSEYS
 First Register of Merit herd in Kansas. Est. 1878. Oakland's Sultan, 1st. Register of Merit sire in Kansas, is dead. Last chance to get one of his daughters, \$100. R. J. LINSCOTT, HOLTON, KAN.

CHOICE JERSEY HEIFER
 Name, Columbia's Oaklands Lass... 329183
 Dam, Oakland's Sultan... 78528
 Sire, Columbia's Combination Lass, 259267
 Solid color, Black tongue and switch. The grand-sire of this calf sold for the most money of any Jersey ever sold on the Island of Jersey. If you want one bred in the purple, this is your chance.
 S. MINER, SABETHA, KANSAS

More Butter and Better Butter
 YOUR HERD should average at least 500 lbs. of butter fat per year. A good Jersey herd will do even better—600 lbs. per year, and the butter will be of the finest flavor, texture and color. There are many individuals of this breed producing 1100 lbs. They make good use of every ounce of feed, do not require fancy feeding, mature early, thrive in any climate, are steady producers, are beautiful and gentle. They pay big dividends on the highest priced land.
 Our latest free book, "About Jersey Cattle," tells all about the development of this hardy breed. Send for it now. You'll be glad you did.
 American Jersey Cattle Club
 255 West 23rd St., New York City

be as good as was ever put through the Posenmeyer sale ring.—Advertisement.

Crow's Great Poland Chinas.
 To a farmer and feeder the value of a hog is determined by the profits and W. J. Crow of Webb, Ia., has the sort for this definite purpose. It is just as essential to economize in breeding profit as any other business. For years Mr. Crow has made the breeding of Poland Chinas his paramount study until his name among Poland China breeders is a family word. The developing of such superiority has for more than a score of years been his object. Not only have his hogs been bred up to a standard but the Crow standard is constantly advancing. The attainment of standard production in one generation has prompted a higher standard as the objective for the next generation. When we last visited his farm four years ago we thought he then owned in Crow's kind one of the best hogs we had seen in Iowa and this time we find two other great Progress 218339 by Schug's Great Orphan, by the grand champion, The Big Orange; dam, Miss Goliath 509695, by Farver's Goliath, by Chief Price 3d and Big Wonder 59231, bred by Mr. Crow, by Big Surprise, by Miller's Tecumseh; dam, Black Model, by Crow's Model, and the third hog is Crow's Extra, by Big Bob 3d, out of Model Wonder, by Extra Long. It is an admitted fact that no breeder's herd excels the Crow herd of sows. He has a few full of sows good enough to win in the hottest competition. January 25 is his annual bred sow sale date.—Advertisement.

Nebraska
 BY JESSE R. JOHNSON.
 This issue contains the announcement of W. F. Holcomb of Clay Center, Neb., the biggest poultry breeder and dealer in pure-bred poultry in the West. Mr. Holcomb has for immediate sale 500 Banded Plymouth Rock cockerels at prices ranging from \$1 up to \$3 each. All leading varieties of equal quality and about same prices. Mr. Holcomb will furnish free to the readers of this paper upon request plans for making the best fresh air poultry house in existence. Write for these plans and make inquiry about your favorite breed of poultry.—Advertisement.

Making Ready for Big Sale.
 Frazer Bros., the successful big type Poland China breeders of Waco, Neb., are planning to offer at their February 2 sale, the greatest bunches of bred sows and gilts that ever went through a sale ring in Nebraska. They have gilts of spring farrow that weigh 300 pounds at this time without any fitting. They have great length, and backs and feet that will please the most exacting. About ten of their big tried sows go in the sale. They are now being bred to the great young sires, one a son of McGrath's Jumbo and one by Big Tim, grand champion of Nebraska this year. Drop a line to the boys any time and get on their mailing list.—Advertisement.

S. E. Kan., S. Mo. and E. Okla.
 BY C. H. HAY.
 R. F. Hockaday of Peculiar, Mo., is making special prices on spring boars and gilts. A glance over the pedigrees of the Hockaday herd shows them to be of as good breeding as any in this section.—Advertisement.

Halloren & Gambrill of Ottawa, Kan., have one of the state's best herds of Red Polled cattle and are offering a splendid lot of young bulls and heifers at very reasonable prices. This herd is strong in the blood of Fallstaff and other champions, and is one that we can recommend strongly to prospective buyers.—Advertisement.

O. L. C.'s at Reasonable Prices.
 Have you written to Mr. Greiner in regard to that O. L. C. boar? The busy season is getting close at hand, and if you put it off another week it may be too late as Mr. Greiner prices his hogs very reasonably and consequently does a big business. His hogs are well bred and are the big bone, prolific kind. He can supply you with anything from a weanling pig to a herd boar. Write him at once and please mention this paper.—Advertisement.

Al Smith's Big Jacks.
 Al E. Smith, the big jack and Percheron man of Lawrence, Kan., has refilled his barns with 40 big black mammoth jacks. Every one a black and just as big as you can find anywhere. Jacks are no experiment with Mr. Smith; he knows the good ones and you can depend on seeing a stable full of the best when you go to his farm. He can also show some real Percheron horses, both stallions and mares. See Mr. Smith's ad and write him for prices and other information. Please mention this paper when writing.—Advertisement.

Headquarters at Ware & Son's.
 P. L. Ware & Son are Poland China breeders of long experience. They have always held out for bigger hogs and at the same time they did not lose sight of the quality. By careful selections and mating they have developed the herd to a very high degree of excellence. This firm is now making special prices on fall and spring boars, also a few splendid fall gilts. Write them for prices and breeding, and please mention the Farmers Mail and Breeze.—Advertisement.

Why Go East for Holsteins?
 Did you know that the Albechar Holstein Farm was offering some choice bull calves closely related to the world's champion cow, Flinderne Hollinger Payne? Those who have never visited this farm cannot appreciate what wonderfully good individuals this herd contains. The herd is ably managed by Mr. Shultz, an expert in that line, and is constantly under the watchful eye of Dr. Robinson, who sees that no tubercular subjects are brought in. If you are looking for something good in the Holstein line it will pay you to visit the Albechar Holstein Farm. See their ad in the Holstein columns and write them for any other information desired. Please mention the Farmers Mail and Breeze when writing.—Advertisement.

SHORTHORN CATTLE.

Pure Bred Dairy Shorthorns
 Double Mary (Fistonek Strain) and Rose of Sharon families. Registered Poland Chinas. Breeding stock for sale. Address R. M. ANDERSON, Hobott, Kansas

Shorthorns
 35 cows, three to six years old, 10 yearling heifers, 13 bull and 13 heifer calves. Must be sold before Jan. 1.
 F. L. McEHRON, RICHMOND, KANSAS

Shorthorns
 30 bulls and heifers sired by Duchess Searchlight 342529, a 2500 pound bull, and from cows weighing 1400 to 1600 pounds. Good milkers. Come or write. A. M. Marley, Mound City, Kansas

Scotch and Scotch Topped Bulls
 from 10 to 14 months. Also
Secret's Sultan 36323
 for sale. Correspondence and inspection invited.
 S. B. Amcoats, Clay Center, Ka.

SHORTHORN CATTLE

Shorthorn Bulls For Sale!
 Six heifers, two-year-olds. Reds and roans.
 L. M. NOFFSINGER, OSBORNE, KANSAS

SHORTHORNS
 Two bulls, one red and one white. Priced to sell. C. E. HILL, TORONTO, KAN.

Pearl Herd Shorthorns
 Valiant 34612 and Marengo's Pearl 321921 in service on herd. Choice early spring bulls by Valiant for sale. Thrifty and good prospects. Scotch and Scotch topped. Correspondence and inspection invited.
 C. W. TAYLOR
 ABILENE, KANSAS

LOOKABAUGH'S SHORTHORNS

300 Head Six or nine months time if desired 300 Head

HERD HEADED by Fair Acres Sultan, by White Hall Sultan; dam, Snow bird, junior and grand champion at the American Royal and full American Snowflake, the sister of Snowflake, the sire of Ringmaster, three times International grand champion. He is also the sire of the undefeated young herd of 1914, and sired more Iowa State fair, 1915 prize winners than any other sire. Assisted by Avondale's Choice, by Avondale, dam from the noted family that produced the champion Choice Goods; also assisted by Watonga Searchlight and other splendid breeding sires.
 Buy A Young Herd Bull. Sired by one of our herd headers and out of one of our herd cows such as Lavender Bloom 2nd, Maxwellton's Jealousy, Lomon Bud, Lovely, Vol. 58, Miss Lancaster, Butter Miss or Duchess of Gloster 14th.
H. C. LOOKABAUGH, WATONGA, OKLAHOMA
 Watonga is on the Rock Island 60 miles south of Enid and 60 miles northwest of Oklahoma City.



YOUNG BULLS AND HEIFERS. Scotch and Scotch topped on milking strains, \$150 and up. 3 heifers and bull not related, \$300. 2 cows with calf at foot, milking strain, \$400. 6 heifers and one Scotch herd bull all for \$1000. Bulls in carload lots, \$100 to \$150 each. This is the home of Isabella, grand champion Shorthorn female, sweepstakes over all best heifers at Lincoln 1914, Lady Fragrant, the mother of Radiant, Village Flower 2nd, by Imported Villager, Lord's Violet by Lavender Lord and many other noted champions.

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 20 years. 125 Herefords, 90 spring pigs, and 18 bulls, 11 to 15 months old, for sale. S. W. TILLEY, IRVING, KANSAS

Choice Young Bulls For Sale Sired by 34th 297907 and Real Majestic 372628. Write your order to J. F. SEDLACEK, BLUE RAPIDS, KANSAS

PRESTON HEREFORDS
 Herd established in 1891. Come to Marshall county for Herefords. Address F. W. PRESTON, Blue Rapids, Kansas

Choice Two-Year-Old Bred Heifers
 and a few bulls for sale. Also 10 spring pigs. Address, GEO. E. MILLER, Blue Rapids, Kansas

Hereford Bulls One 3-year-old herd bull; one 14-month-old bull, some spring bulls.
 B. E. and C. W. GIBSON, BLUE RAPIDS, KAN.

Home of Parsifal 24th 150 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, Kas.

Clear Creek Herefords
 Choice last March bulls for fall and winter trade. 30 breeding cows in herd. J. A. BRADSHAW, Astor, Kansas

HEREFORDS Big and registered. Farm 2 miles out. W. B. Hunt & Son, Blue Rapids, Kan.

DAIRY CATTLE.

Mills' Jerseys One 16 month bull. Bull calves from Agnes's Last Time 19032. R. C. E. L. Red cockerels, The coach.
 C. H. MILLS, WATERVILLE, KANSAS

WILLOW SPRINGS JERSEY FARM
 Golden Fern's Lad's Last Time 23222 at head of herd. Offers a few young bull calves. Joseph Hrusny, Waterville, Mo.

JERSEY BULL By a grandson of Golden Fern's Lad, out of a 100 pound cow. Price \$20. Duroc-Jersey spring pig for sale. B. H. WELCH, Waterville, Kansas

HOLSTEINS Cows and heifers for sale. Registered and graded. Address LACKLAND BROS., AXTELL, KANSAS

SHORTHORN CATTLE.

For Sale: Two Pure Scotch bulls and a Scotch topped heifer. Farm near Irving, Kansas. On Union Pacific and Central Branch of Missouri Pacific. DR. P. C. McCALL, Irving, Kan.

Eight Bulls reds and roans. 4 to 18 months old. Scotch and Scotch topped. Write for prices. G. F. HART, Summerfield, Ka.

Shorthorns, Poland's 1 yr. bull for sale. 1 tried herd boar for sale. March and April calves.
 A. R. Garrison & Son, Summerfield, Kansas

10 Shorthorn Bulls 5 yearlings in September. 5 March and April calves. Write for prices. H. A. HERRING, SUMMERFIELD, KANSAS

HAMPSHIRE HOGS.

Registered Hampshires Top boars and gilts not related. F. B. WEMPE, Frankfort, Kansas

POLAND CHINA HOGS.

Albright's Poland's For sale, Jan. 6 to 8 a r s and gilts, 12 last fall gilts, 24 March and April boars and gilts.
 A. L. ALBRIGHT, WATERVILLE, KAN.

Copeland's Private Sale
 Poland China boars and gilts. March farrow. Also fall gilts, bred or open. N. E. COPELAND, Waterville, Kan.

DUROC-JERSEY HOGS.

Red Polls, Duroc-Jersey, and O. I. C. hogs. Boars of both breeds at reasonable prices. Bred sow sale, Feb. 24. J. M. LAYTON, IRVING, KAN.

10 September Gilts bred for fall farrow, a few boars and gilts by Illustrator, 40 March and April pigs.
 A. B. SKADDEN & SON, Frankfort, Kansas

W. J. HARRISON AXTELL, KAN. Red Polled cattle, Duroc-Jersey and white Leghorns. Breeding stock for sale. Correspondence invited.

Spring Boars by five different sires. A royal lot of big stretchy fellows and only the tops offered. HOWELL BROS., HERKIMER, KAN.

FANCY POULTRY.

Plymouth Rocks Banded (Thompson strain) and white. Stock for sale. Eggs in season. Address JOHN BYRNE, AXTELL, Kansas

AUCTIONEERS.
S. B. CLARK, SUMMERFIELD, KANSAS.
 AUCTIONEER. Write or phone for dates, address as above.

Jesse Howell, Herkimer, Kan., of Howell Bros. breeders of Duroc and Hampshires can make you money on your next sale. Write for dates.

DUROC-JERSEYS.

Durocs, Tried Sows Gilts, bred or open. 10 extra fine boars. A. C. HILL, HOPE, KANSAS.

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. **BUCKEYE STOCK FARM, OLEAN, MO.**

Hull's Duroc Jerseys
A few good spring boars and gilts, also extra good fall pigs, both sex. **D. W. HULL, Americus, Kan.**

DUROCS BY THE POUND
If you want Durocs at fancy prices, buy elsewhere. But if you want good ones at 4 cents above market price write to me. Hogs of all ages for sale. Pigs at weaning time \$8. Everything immune. **MIKE SEIWALD, RUDORA, KANSAS**

Immune Duroc Boars on Approval
30 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 Foll 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. **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 Foll bulls ready for service. Percheron stallions and mares. **Geo. W. Schwab, Clay Center, Neb.**

DUROC JERSEYS!
WORKMAN
Johnson Workman, Russell, Kan.

TATARRAX AND OHIO CHIEF
A few choice boars, of April farrow, sired by Critic's Lieutenant 188057, from sows strong in Tattarrax and Ohio Chief blood. All cholera immune. **JOHN BARTHOLD, 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
30 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 Enuff's Chief Col., G. M.'s Crimson Wonder, Col. Chief, Otey's Dream, Illustrator II. From excellent dams. 30 days' special price. Write today; describe your wants. **G. M. SHEPHERD, Lyons, Ks.**

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 & COTTLE, BERRYTON, KANSAS**

Immuned Durocs!
Plenty of spring boars and gilts. Best of breeding. Stock guaranteed. **F. J. MOSER, GOFF, KANSAS**

Maplewood Duroc-Jerseys
Everything immune. For sale: 15 tried sows to farrow in October. 25 fall gilts bred or open. Big boar and gilt sale Nov. 17. Holstein cattle sale day following. Write for further information. **MOTT & SEABORN, HERRINGTON, KAN.**

BOARS OF SIZE AND QUALITY
70 big, stretchy spring boars and gilts of February and March farrow. Sired by the grand champion of three states, Long Wonder; Overland Defender, B. & C.'s Masterpiece, Superba's Climax. From big type dams of Superba, Defender, Tattarrax, Col., and Golden Model blood lines. Also 6 head of fall pigs at \$10 each, pairs \$15, trios \$25. Send at once and get first choice. **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.**

Hillcrest Farm Durocs
Tried sows and gilts to farrow soon. Choice gilts \$25. Boars ready for service, \$20. Sows with litters at side at bargain prices. Write for full particulars. **DR. E. N. FAENHAM, HOPE, KAN. (Dickinson Co.)**

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, Kans. (Shipping Point Downs, Kans.)**

Duroc-Jersey Sale

Conway, Kansas

Wednesday, December 1st

80-Head-80

This is your chance to call on the farm that is probably furnishing as many or more boars than any Duroc farm in the State. You will be welcome to come whether you want to buy or not. We get lots of letters from curious parties saying they would like to see our farm and this is your chance to come. Train connections are good to McPHERSON and all parties from a distance who will come to the "Talbot and Gibson Garage" at McPherson, will be furnished free conveyance to the farm. Sale can be held under cover. Those coming through Hutchinson by auto will come to Medora and then come 12 miles north.

20 Sows and Gilts (With Pigs at Side)

Most of these sows are sired by Kan. Ohio Chief, a grandson of Ohio Chief, the world's champion Duroc that sold for \$7,000. The pigs running by the side of these sows are all sired by Bell the Boy, first prize winner at the Hutchinson State Fair, the Tennessee State Fair and the Interstate Fair of St. Joe, Mo. These sows are young and ready for a good career and have good litters at side. We will crate so they can be shipped. We have been advertising our hogs at "live and let live" prices but at the same time many hogs of exceptional quality have been shipped from the place and we invite you to come and see these.

40 Bred Sows and Gilts (Some to Farrow This Fall)

These sows and gilts are sired by Bell the Boy, Kan. Ohio Chief and "Red Wonder Again," a boar imported from Ohio that is a descendant of the great boar "Red Wonder," winner at one time of the grand championship at the International Stock Show at Chicago. The four boars used in breeding these sows and gilts are Bell the Boy, Red Wonder Again, Graduate Col. Again, and Model Top Again, a boar that was one of the winners at the Hutchinson and Topeka State Fairs this fall and was highly complimented by the judge. In addition to the large number of hogs of exceptionally good quality that will be sold will be added a few of plain quality that will be suitable for those just starting in the breed.

20 Spring Boars

We are willing to stake our reputation on the quality of these boars. Come and take your pick at your own price or send bids to A. B. Hunter, the fieldman mentioned below. Part of these boars are sired by "Bell the Boy," and part by "Red Wonder Again." In addition to the above we will sell Graduate Col. Again, a young boar we purchased early this fall for use in the herd. Every hog sold in this sale, with the exception of the baby pigs, has been vaccinated by the double method and will be guaranteed for three months.

For catalogs address
R. W. Baldwin, Conway, Kan.
 Auctioneers: Col. Lafe Burger and Col. J. L. Seitz.
 Send bids to A. B. Hunter, of Farmers Mail and Breeze, in care of R. W. Baldwin.

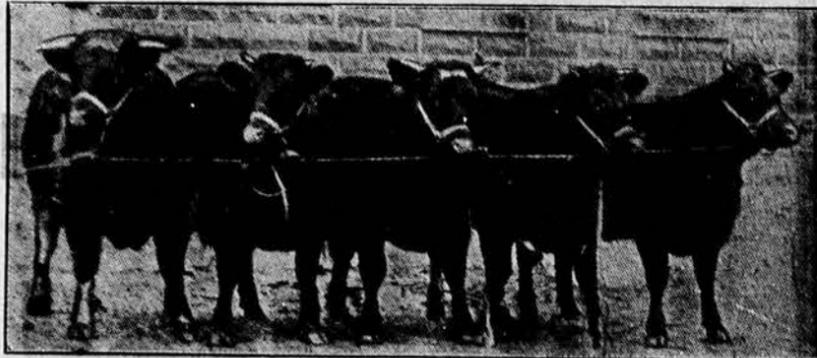
Coming Shorthorn Dispersion Sale

180—Useful Reds, Whites and Roans—180

Winfield, Kansas, Tuesday, November 30, 1915

Under cover right in town commencing at 10 o'clock a. m., rain or shine.

80 Mature Cows
15 Two-year-old Heifers
20 Yearling Heifers
25 Heifer Calves 8 to 14 Months Old
40 Bulls 8 to 23 Mos. Old.



75 Head
of these younger Shorthorns are Grandsons and Granddaughters of the Great Avondale with true Avondale type. Thick fleshed, easy feeding kind.

Greatest Opportunity of the Season to Buy Shorthorns

We have sold our ranch and the cattle must go. You set the price. The 115 head of cows and heifers are safe in calf to Rosewood Dale, by Avondale and out of Imported Rosewood 92. Some are bred to Satin Royal, by Choice Archer, out of the splendid cow Minnie 37th. The older females of this herd are from our Wisconsin herd and by Forest Pride, a bull used for eight successive years on the get of such milking strain sires as Sylvian Champion, Debonair, Silver Crown and Pride of Crawford, all prize winning bulls wherever shown. Hence the females of this offering can be relied upon to produce milk as well as beef. A number are by nature hornless and eligible to register in both Polled Durham and Shorthorn Associations. These cattle not only have the most desirable blood lines but have been raised under modern ranch methods, are ready to respond to feed and care and make money for the buyer. If you want good Shorthorns you cannot afford to miss this great opportunity. Send your name today for catalog. Address

LEVI ECKHARDT, Winfield, Kansas

Auctioneers, Fred Reppert, John D. Snyder, Lafe Burger, O. F. Hurt, Fieldman, A. B. Hunter.

Note. 300 three and four year old heavy Panhandle feeding steers for sale privately.

POLAND CHINAS.

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

Enos Mammoth Poland

3 fall boars; herd leaders. 6 of my very best herd sows, bred for early farrow by Mastodon King. 70 spring pigs; best I ever raised, by Orphan Chief and Mastodon King. Size, quality and prices just right. Write today. A. R. ENOS, RAMONA, KANSAS

Sale of Prize Winners

NOV. 15, W. Z. BAKER, RICH HILL, MO.

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 Poland

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 Poland combine size and quality. No Holy Poly's. Neither the rough coated, hard fleshed, slow maturing sort. 25 to select from. Accurate description guaranteed. C. 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 Poland

20 March boars—20 March gilts. Tops of 100 head. 15 fall gilts bred or open. The big litter kind. Address E. H. McCUNE, Longford, (Clay Co.) Kan.

Faulkner's Original Spotted Poland

1000 original spotted Poland China pigs ready for immediate delivery. Highview Stock Farm is the headquarters for the original spotted Poland Chinas and we sell more of this breed than any other firm in the world. We are not the originator but the preserver of the original spotted Poland. Write for particulars. H. L. Faulkner, Box 2, Jamesport, Mo.

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.

POLAND CHINAS.

Immune Boar on Approval

10 extra choice Poland China boars at \$25 each on approval. Write W. A. Metatosh, Courtland, Kan.

Spring Boars by King Hadley

Large, big-boned, growthy, smooth kind. Must sell quickly. Write J. B. MYERS, GALVA, KANSAS

Wiebe's Immune Poland

25 Boars. 30 Gilts. Ship on approval. Have sold in ten states. G. A. WIEBE, BEATRICE, NEB.

BIG BONED POLAND CHINAS

100 early spring pigs by Jumbo Boy, Leon King, Orange Surprise, Ringold King, etc. Also a few bred sows and 2 good herd boars. Guarantee and pedigree accompanies each order. Manchester Bros., Leon, Iowa.

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 Poland

Herd headed by the 1,026-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.

Isaac Huscher's Big Registered Stock Sale

At his farm near Ames and within driving distance from Concordia 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 registered jennets with foal.

Registered Poland Chinas

I will also sell 12 boars and 18 gilts of March and April farrow, 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 Ledingham, 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.

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.

**We Show
What We Grow
From Carnot**



No Extras To Buy

Everyone about to buy an automobile is interested in cost—both first cost and after cost. Unless the car you buy really is completely equipped, its price does not at all represent the first cost.

The following is a list of equipment on the Maxwell Car with its approximate retail cost:

	Approximate Retail Cost
1—Electric Starting and Lighting System, Lamps, etc.,	\$95.00
2—High-Tension Magneto,	50.00
3—Demountable Rims,	25.00
4—Speedometer,	15.00
5—Clear Vision, Double Ventilating Rainproof Windshield,	12.00
6—Linoleum Covering for Running and Floor Boards,	8.00
7—Anti-skid Rear Tires (cost difference over smooth treads),	5.00
8—Electric Horn and adjuncts,	3.50
9—Spare Tire Carrier,	3.50
10—Oil Gauge,	1.50
11—Roof Rail,	1.50
12—Front and Rear License Brackets,	1.50
Total,	\$221.50

If you purchase an automobile which lacks these features, you must add their cost to the price of the car if you want real automobile comfort.

Deduct this amount (\$221.50) from the price of the Maxwell (\$655) and then you will realize what wonderful value is represented by the Maxwell Car.

Think of it—a beautiful stream-line car, built of special heat-treated steel, with a powerful four-cylinder motor; thoroughly cooled by a gracefully rounded radiator of improved design and a fan-sliding gear transmission—semi-elliptic front and three-quarter elliptic rear springs, making shock absorbers unnecessary—one-man mohair top—high quality upholstery, and ample seating capacity for 5 adults, really fully equipped for \$655.

The high-priced car features mentioned, as well as the light-weight of the Maxwell Car, account for the wonderfully low after-cost records of the Maxwell. The Maxwell is lowering all economy records for

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See the new 1916 "Wonder Car" at the nearest Maxwell dealer's, and you will realize that it is the greatest automobile value ever offered.

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