

Thirty-Two Pages

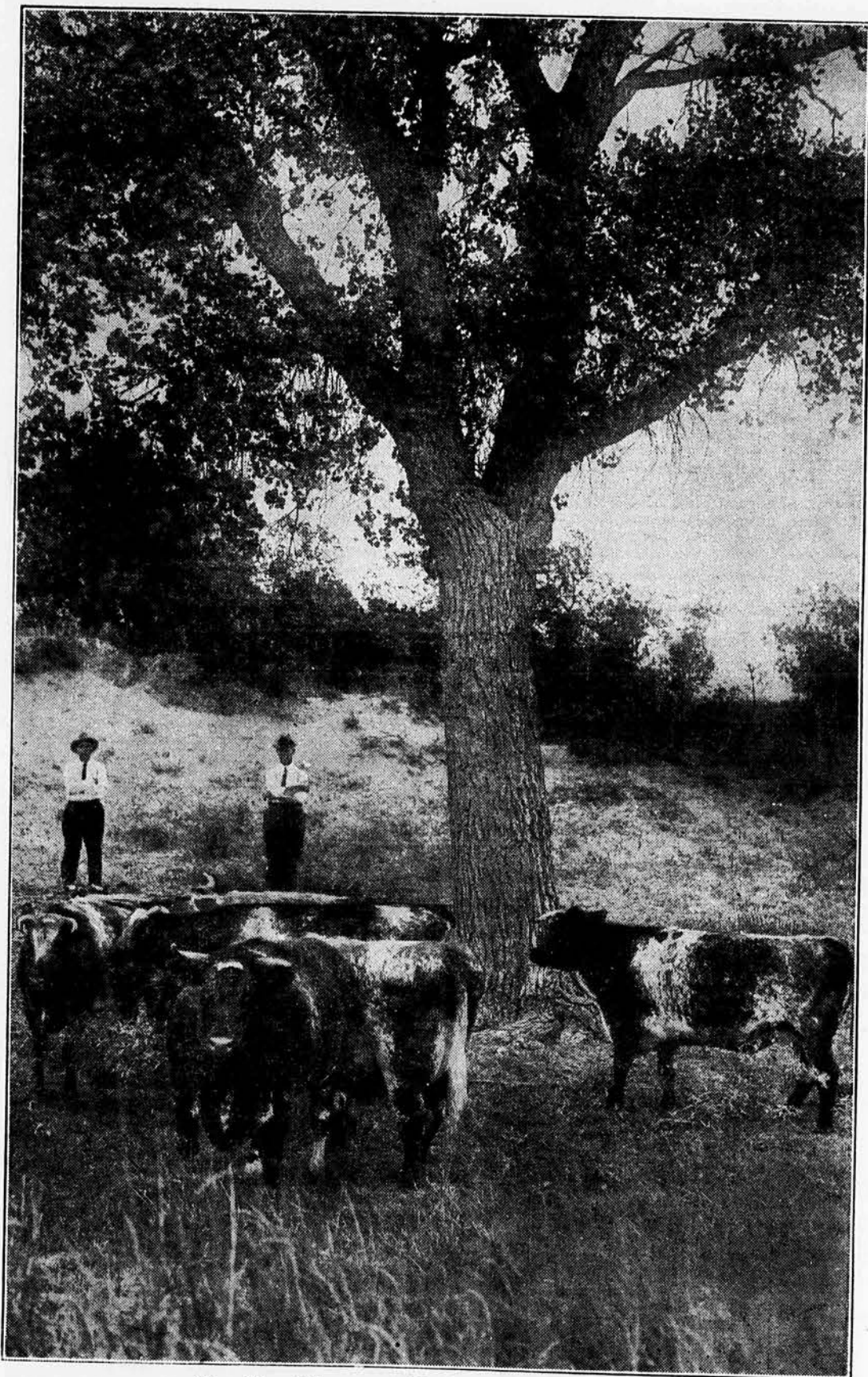
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The FARMERS MAIL AND BREEZE

Vol. 45.

October 9, 1915

No. 41.



On the Pleasant Valley Stock Farm



Vol. 45, No. 41

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Holmes Has the "Pep"

The feature of county agent work in Kansas this fall is the fine start that has been made by J. C. Holmes, the new county agent of Cowley county. He is putting the same fine enthusiasm into his efforts there that he used in working his way through the Kansas State Agricultural college, and also on the football field, where he plowed his way through the opposing eleven to a place on the all Missouri Valley team. In addition to his excellent work among the Cowley county men he is printing some very interesting News Letters for the farmers of his association. The Letter of last week said in part:

Did you ever notice cattle eating some of the grass and leaving some untouched? A cow likes the best and eats the best she can find. When renewing your grass did you get your stock pasture reseeded with the most nutritious bluestem or the variety that stock does not fatten on? The men who get the most out of their pastures make it a practice to give the grass 30 to 40 days' rest and free growth every summer. This requires two pastures, and by changing from one to the other one can pasture closer, kill the weeds better and develop the richer strain of bluestem.

Can you find some waste ground for fall pasture to save a month's feed? Note the Sweet clover, see what you think of it for a fall pasture and also see if it will not fill the bill.

We have a call for all kinds of stock cattle so if you have any to sell, let me know.

Blackleg generally takes its course each fall and spring. Vaccinate two weeks before weaning or before the calves shrink or gain, and see if the results are not better.

Cedar Vale gave us quite a run the last two weeks with its 17 outbreaks of cholera, but Dr. Strodtman and Jack McFall have it well under control now. Only four hogs have died after they were vaccinated, and they were too far gone to help. We have used nearly 30,000 c. c. of serum in the last month. Our association has more than 100 new members and the number we now have has kept us so busy, along with the bad conditions, that we have had no time to hold meetings. We still expect to cover a good part of the county by lectures at school houses. Let us know if you want a meeting and fix a date at once.

The farmers lost \$5,000 worth of hogs in a radius of three miles at Cedar Vale that might just as well have been saved if they had vaccinated in time. Don't forget that quick work counts, and that we can stop cholera only when taken up before it runs too far. Jack McFall and Dr. Strodtman are located at Arkansas City, and the Agricultural agent is at Winfield. Report at once to them if you have hog cholera.

To get good seed corn it should be gathered and dried out well before the first freeze. This is a good year to lay in a two years' supply of seed corn. We desire very much to know where the pure seed corn is in the county.

The test is running very uneven in the wheat that has been tested. Some has tested 97 per cent fertile and some as low as 60 per cent. Wheat should test nearly 95 per cent fertile to be sown with good results.

The Hessian fly is here and doing nicely, so far. If you look at the volunteer you may find it in your wheat. The weather conditions are just as likely to be favorable as unfavorable for the fly, so don't get in a hurry to sow before the fly-free date.

Eight Silos a Day

Kansas has more than 10,000 silos in her 105 counties, according to a statement issued by J. C. Mohler, secretary of the state board of agriculture. The census taken last March showed 9,695 silos in the state on that date, as compared to 7,136 a year previous. The increase for the year is 2,559, 36 per cent, or at the rate of more than eight silos completed every working day of the year.

"The Kansas farmer is making progress along modern lines," commented Mohler in issuing his silo statement. "This is indicated in various ways—the adoption of the tractor, using the motor car, sowing more alfalfa, planting more sorghums and building more silos."

Every county is credited with silos this year, while four counties had none

in 1914, according to the returns. Sedgwick is in the lead with 372 silos, while Reno, gaining 74, retains second place with 333. Lyon, first last year with 282, is now tied with Sumner for third place with 273. The other counties having 200 or more silos are: Anderson, 209; Butler, 221; Dickinson, 218; Greenwood, 217; Jewell, 213, and Kingman and Leavenworth, with 205 each.

The counties showing the largest increases in numbers of silos in the 12 months are: Sumner, with 130 more; Sedgwick, 125; Kingman, 106; Shawnee, 85; Reno and Chase, 74 each and Leavenworth, 70. While they have fewer silos than the foregoing counties, the greatest percentages of increases are in the western counties, as Meade with a gain of 600 per cent, Barton, 336; Rooks, 244; Clark, 216; Pratt, 144; and Ford, 142 per cent.

Fall Planting Has Merit

BY LEONARD G. HERRON.

A successful fruit season, as the past one has been, always creates an interest in the planting of fruit trees and vines. There are two periods during which planting is done—in the fall and during the late winter or early spring. The fall period begins about August 15 and continues until October 10 to 20. The spring period begins about January 30 and continues until May 1.

Where the winters are not cold enough to damage the nursery stock by freezing, and there is abundant rainfall, the fall plantings usually are the best. The winter rains pack the soil about the roots, and the plant is established and ready to start growth as soon as the weather is favorable. The late spring plantings are not ready to grow until much of the most favorable weather is gone.

During the dry winters, spring plantings usually have been the most successful. This is especially true in the drier, western portion of the state. The dry atmosphere allows the plants to dry out so much that they are weakened materially. Some are dead before spring opens, and others die soon after starting growth.

Where one desires to make a small home fruit planting and can irrigate the few plants, it is well to try planting in the fall. This is especially true of strawberries, as it will enable one to have berries the following spring. If the planting does not do well, the area is not large and the expense of replanting in the spring is not great. In this type of planting the owner usually is willing to spend quite a bit of money to gain time which he could not afford in a large commercial planting.

Spring plantings should be made just as soon as the ground can be prepared after the latter part of January. The stock is sure to be dormant at this time, and after being planted it will start into growth with no interruption as soon as the weather is sufficiently warm. Stock that is secured and planted in late April or May has usually started growth. This is stopped when the plant is reset until it establishes itself again. In this way the plant is weakened and the growth delayed until later when the conditions are much less favorable.

About the Grain Insects

How much carbon bisulphide should I use for 1,000 bushels of wheat to kill the weevil? Where can I buy it direct of the manufacturer? Is there anything else that will do as well and is cheaper?

Holton, Kan. GEORGE SMITH.

The best method of destroying insects infesting grain stored in bins is to fumigate with carbon bisulphide, using 1 pound of the carbon bisulphide to 25 bushels of grain. Any space in the bin not filled with grain should be figured in at the rate of 1 pound to 250 cubic feet. This fumigation should be done at the earliest possible date, simply because good results from fumigation cannot be had when the temperature is below 60 degrees.

Carbon bisulphide usually can be had at a very reasonable price if the purchaser buys a considerable amount, that is, in cans or drums of 25 or 50 pounds. Usually the local druggists will order this for their customers, charging just enough to pay them a little for their trouble.

Manhattan, Kan. George A. Dean.

It is comparatively easy to start a new party; the difficulty is in getting anywhere with it.—Atchison Globe.

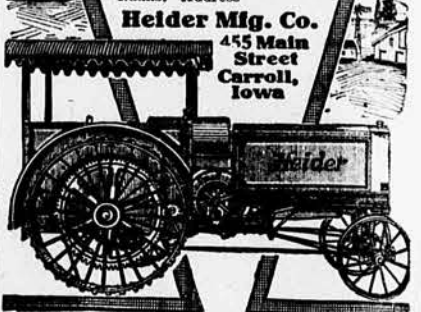
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THE FARMERS MAIL AND BREEZE

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

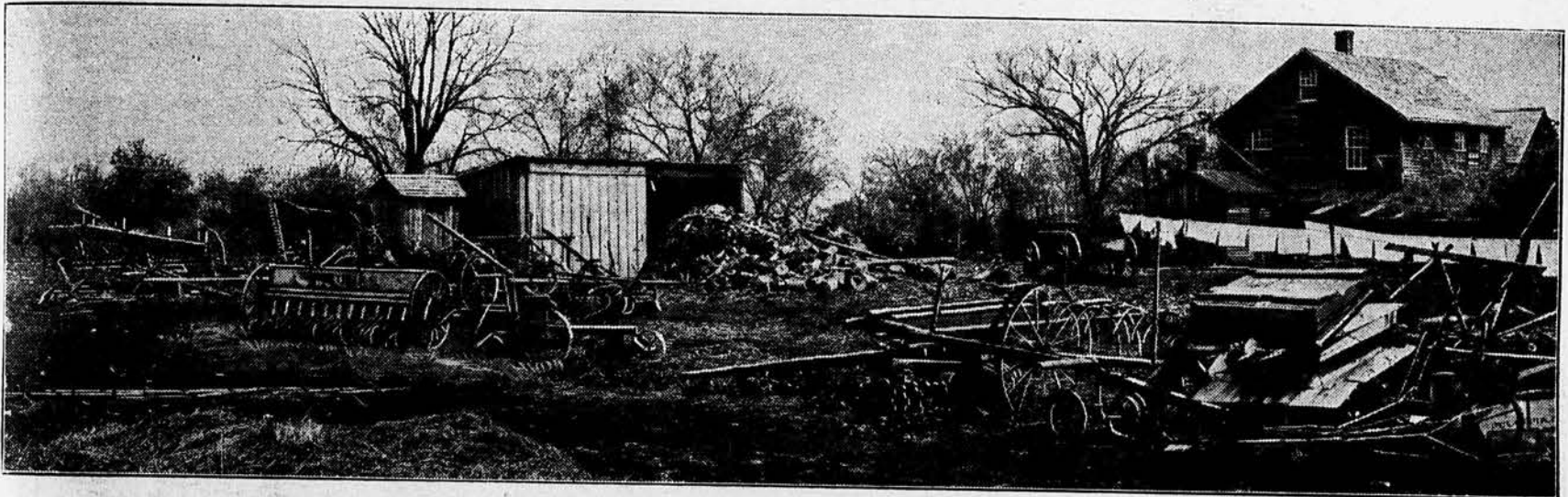


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Number 41

TOPEKA, KANSAS, OCTOBER 9, 1915

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Wasted Millions



Don't Use Blue Sky for a Roof—Machinery Under Shelter Gives Twice the Service

BY CHARLES DILLON

A MAN once made a trip through a farming country—not an especially rich or prosperous section in which the inhabitants could afford to be careless of their substance—and as he traveled he took notes of the condition in which he found machinery. He visited exactly 200 farms. The machinery was housed on less than 25 per cent of these farms. On one-half the farms no attempt was made to house any of the implements or machinery, except buggies, carriages and motor cars.

Only 2 per cent of the farmers visited by this observer removed bright or delicate parts of their machinery for storage. About 20 per cent of the farms were equipped with closed machine sheds. Thirty-five per cent had some kind of open shed, and 40 per cent had no machine sheds of any kind. Many of the machine sheds served also as hen roosts. Hogs, calves and chickens were permitted to run at will in 20 per cent of the open machine sheds.

Carelessness Causes Waste.

You never heard of a carpenter leaving his tools lying around the house he was building. You never saw any kind of a mechanic do it. Perhaps, then, you can explain the strange psychological influence, the peculiar mentality or whatever it may be called, that leads a farmer to unhitch in the field, November 15 or some other late fall day, leaving his plow or harrow where the row was finished, to remain there through the winter. No man on this beautiful, productive earth is rich enough to afford that kind of waste. Indeed, when you find a really wealthy farmer, a farmer with bath rooms in his house, a motor car or two, steam or gasoline tractors—all the modern, sane conveniences of life—you find a farmer whose machinery is very largely, if not wholly, sheltered. He made his money that way. He never would have been rich, he would have used a tin tub all his life, if he had neglected his possessions as so many otherwise careful farmers neglect theirs.

A farm of 160 acres requires at least \$1,000 worth of machinery. Here is a list of the implements, about \$600 worth, found exposed to the weather on a farm of that size in the Middle West: Wheat binder, \$165; disk harrow, \$30;

hay loader, \$75; corn planter, \$40; sulky plow, \$30; listed corn weeder, \$30; ensilage cutter and blower, \$200. There were other things, such as hay rakes, a mower, a seeder and a hay baler, worth probably another \$150, left out for the rain and snow. The owner was by no means a successful farmer. He had money enough to slip along, but he always was in debt for machinery. He had to buy a mower or a seeder every year or two. And yet he would show impatience and some temper if a friend urged him to more economical measures. How can you explain it? It is not a condition peculiar to any one or ten or a hundred men.

Apparently it doesn't do a penny's worth of good to preach to farmers about this queer kind of waste. The only effect is to be noticed in the sons, the rising generation. These boys know, if they have been properly taught, that the trust mentioned a moment ago does everything it can to encourage the use of machinery sheds, of care for machinery of every kind. It actually has writers and lecturers paid to teach conservation of this kind of farm property—and still, many farmers will not see that this big, successful manufacturing organization became successful by exactly the methods it preaches. They

fail to understand that the farmer who wastes his substance in riotous neglect of his machinery will seldom be able to pay for more, and that his credit will be strained to the breaking point.

One winter's exposure detracts more from the value of a machine than one year's work. Investigations by careful students of the question have disclosed that machinery housed and otherwise cared for will last from 12 to 15 and even 18 years, while the ordinary, neglected implements are in the scrapheap. An instance has been recorded of two farmers in one township. One houses his implements; the other leaves them in the fields where the end of the season catches him. The first farmer has used the same implements for 14 years, while his neighbor has had three new outfits in that time.

The interesting pocket-touching part of this case shows that, figuring on a 12-year basis for housed machinery and six years for unhoused, the man who neglects his implements, in any ordinary case, would have to buy two full equipments while the other bought only one. This would be an extra expenditure of \$1,000 for six years, which at compound interest would be \$1,331.53.

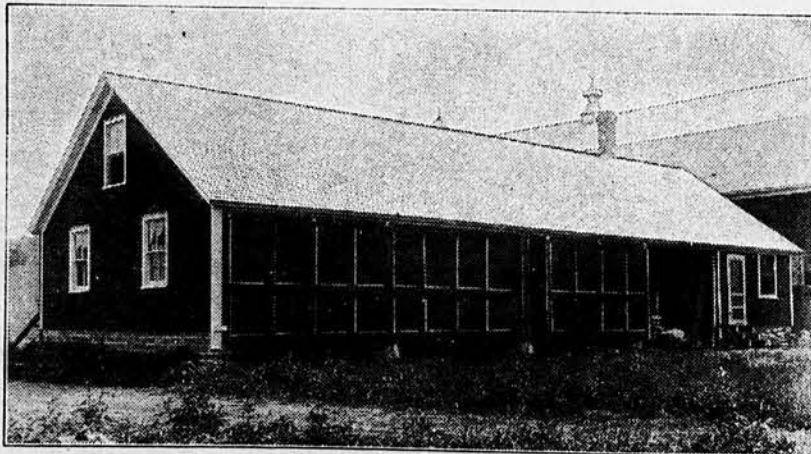
A good implement house—shed is not, after all, the right word; you might as

well call your machinery "junk"—such as any energetic, ambitious, economical farmer should have, can be built for \$300, and perhaps a little less. At compound interest this would amount to \$399.36 in six years, a saving of \$932.29. Incidentally, you might save some livestock injuries, too. Many a calf or colt has been ruined in a machinery shed.

The benefit to the farmers in taking care of their farm machinery was demonstrated in Saline county, Kansas, at a sale on the O. Sandberg farm. Much of the machinery he had used for years sold for almost as much as it cost when new. One wheat drill he had used for 14 years sold for \$41.50. The same drill new would cost today about \$60. Every piece of machinery on the Sandberg farm had received the best of care, and every implement sold for prices as good as that paid for the drill.

Adding Ten Years to Its Life.

The argument has been made that machinery will last 12 years without shelter. If this is true, almost anyone will admit that another 10 or 12 years would be added by putting the stuff in a house. I have worked on some of the largest farms in California—they are called "ranches" out there—where every piece of machinery bought, from a tooth harrow to a fanning mill was kept in a house as religiously as the Bible was sheltered. I remember that—the hired men seldom going to church—we used to employ Sunday mornings, and some Sunday afternoons, in repairing machinery and in fixing up, generally, all the loose bolts and nuts and the broken harness, things that had given way during the week's work. On one big ranch we had a blacksmith shop and there we took turns welding broken parts of machinery, sharpening plowshares or harrow teeth, cultivator shovels and other things that had succumbed to the hard, 'doby soil in which we often worked. The experience taught me that every farmer who possibly can provide one should certainly have a workshop and a forge. But one sees few of either on American farms, except where the grown son has had two or four years in college. His compulsory course in blacksmithing, welding and foundry work has instilled a liking for tools and a willingness to mend things broken on the farm,



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Passing Comment--By T. A. McNeal

Oranges--Roads--Dust

When you first come to California and ride for a hundred miles or so through the country on asphalt and concrete paved roads it occurs to you that these Californians are mighty reckless in the expenditure of money for public improvement. But when you happen to get off the paved road and ride a few miles over bumps you wonder why any road in this country is left unpaved.

An old time friend of mine in Santa Ana took me out, yesterday, into the orange country, and we traveled over several miles of unpaved roads. Where the roads are unpaved, California--that is, southern California, can show some of the dustiest dust I ever swallowed. Now it is possible that the reason these roads seemed so dusty is the comparison with the practically dustless pavement on which I had just been riding. Almost everything in this world is judged by comparison. In the days when tallow candles were the best light to be had they seemed all right. No kick was registered about the poor quality of the illumination, but suppose that all kinds of light were blotted out now and the tallow candle was the best to be obtained, what a roar would go up all over the land. I can remember when loaded wagons stalled in the middle of Kansas avenue, Topeka, on account of the mud. And yet so far as I can recollect there was less complaint about poor streets then than there is now when some holes get worn in the asphalt. Four or five thousand people in Topeka remember when the only street car line was one running up and down Kansas avenue and down Fifth street to the Santa Fe depot. The propelling power was a pair of dun mules which were urged to renewed endeavor by a driver with a prod, and yet I do not think there was half so much grumbling about street car service as there is now.

So it is with roads. As long as people are accustomed to riding through the dust or mud they don't fuss much about it, but just let them become accustomed to driving on a well paved highway and then make them get off to a road where the dust is an inch or two deep, and hear them roar.

Every mile of paved road calls for another mile. Sure, it costs a lot of money and people complain about high taxes here in California as they do everywhere in the United States, but the people who haven't paved roads want them and will have them even if it does make them hump to pay the bills.

In the course of our ride we visited an orange grove, or maybe it would be nearer correct to say a collection of groves totaling 900 acres. All of them belong or did belong, to the same man. Hughes, the late owner, built up this great orange farm from the bare prairie and when he died the land was probably worth 2 million dollars. Hughes was 94 or 95 when he finally yielded to the old man with the scythe, but when the end came he was still figuring on making further improvements.

The orange and lemon business in this country is now managed almost entirely by an association. The old plan of every fellow picking his own fruit and sorting it and finding a market has been entirely superseded. Now the association buys the crop, sends expert pickers out to gather it and take it to the packing houses where the oranges are sorted and packed in boxes ready for shipment. The individual fruit grower could not possibly put his fruit up in as good shape as it is put up by the association and it would cost him more money. The picking, sorting and packing of citrus fruits have gone through a process of evolution, like most other industries. First, the pickers must be experts, so that they can take the fruit off the trees without bruising it. The oranges are then hauled to the packing house where they are put into a huge vat filled with soapy water. Then they are carried by machinery over revolving brushes for quite a distance. By the time an orange has passed over these brushes it is well cleaned and polished. Then it is carried back on another web, all the way being subjected to a strong current of air forced through perforated pipes. This dries it. Then the carriers take it past the cullers, a lot of quick eyed and deft fingered maidens who throw out the defective and badly colored fruit. These go into the culls and are sold in the local markets for a very low price. Many of these culls are as good to eat as the oranges which are shipped, but are

unsalable in the general market because of some trifling defect or because they are overripe.

Then comes a clever, though simple arrangement for sorting the oranges. The fruit is carried on a moving table, set at such an incline that the oranges roll down to the lower edge. Below the table are a number of bins separated from the table by screens with different meshes. The small oranges fall through the screen into the first bin. A slightly larger mesh lets the next larger size through and so on, the extra large oranges being carried along to the last bin. Then comes the work of the wrappers. These so far as I noticed are all girls, who with remarkable deftness grab an orange, and with two motions put on the paper wrapper and twist it so that it will not come off.

Next is the boxing. An accurate count is kept of the number of oranges put in each box and the number stamped on the outside of the box, and the expert coverer swiftly nails on the slatted cover.

It used to be that oranges were frequently bruised when the cover was being put on. This has all been obviated by a clever device which pushes the oranges away from the edge of the box. I presume that there never was a time when oranges came into the general market in as good condition as they do now and never were they so well graded.

An orange tree will begin to bear some fruit at 3 years old and if well taken care of, should be bearing a good deal at five or six years from the planting. As to whether an orange grove will pay depends largely on the kind of oranges grown and the manner in which they are cared for. A first class orange grove brings a big price, which is a pretty good evidence that with the right sort of management orange growing can be made profitable. This year the lemon growers got it where Mary wore the beads.

The crop is enormous and the price very low. To make matters worse the summer has generally been quite cool which operates against the sale of ice and lemonade. The orange growers, however, have done fairly well.

Commission men tell me that growing English walnuts pays better than growing oranges or lemons, but the grower has to wait longer for his returns. A walnut tree will begin to bear some in five or six years, but in order to get what may be called a reasonably full crop the trees must be 10 or 12 years old. But when a man has a good bearing walnut grove he should be able to bid dull care adieu.

Hide Their Corns

One thing I will say for California, there are fewer knockers among the populace than anywhere I have been. There are no doubt hard luck stories and plenty of them that might be told but the wayfarer doesn't hear them. The people who live here almost without exception put the best foot forward and they also conceal the fact that there are bunions on the other hoof. It strikes me as a pretty fair frame of mind.

There has been some talk about the way in which California invites foreign capital. No tax I am told is levied on notes and mortgages. It has always been urged that if capital were relieved from the burdens of taxation the rate of interest to the borrower would be immediately lessened. I met a Kansas banker out here the other day who is lending some money. He tells me he gets 7 per cent interest, which simply goes to show that relieving the lender from taxation does not so affect his heart action that he will immediately and voluntarily reduce the rate of interest to the borrower. Money can be borrowed as cheaply in Kansas as in California.

A Kansas Man

Los Angeles owns a harbor and of course that means that the city has to look after it. It may seem a trifle strange that the man who is really running this harbor comes from the dry state of Kansas, where at most seasons of the year even the principal streams would not be navigable for a duck drawing more than an inch and a half of water.

Clarence H. Matson who used to write a great deal of clever stuff for the Topeka Daily Journal, is secretary of the board of harbor commissioners and is really nearly the entire commission in fact. There

are other members on the board but Clarence is chief cook and bottle washer. A landsman is apt to think that after a harbor is once established it will take care of itself. Not so, Mary Ann. It is necessary to keep working at a harbor most of the time and then some. There is a river or two emptying into this harbor. At present they are dry as bones but in a couple of months from now they will get up and rip and snort and carry about 'steen million cubic feet of silt down into the harbor and fill it so that ships of much deeper draft than a row boat cannot go everywhere. Then the dredges get busy and dig out this silt. This means a lot of work. Clarence Matson does not, as I understand it, go down to the harbor, take off his coat and vest and with trusty spade in hand, wade out and shovel the mud out of the harbor. He just bosses the job which is pleasant and also more profitable, as a job. I have observed as I have journeyed through this world of gumboils and sorrows that the easiest jobs seem to be generally connected with the most satisfactory emoluments. Clarence Matson came out to California to recover his health. I am happy to say that, judging from appearances, he has fully recovered it. He looks as if he might be able to eat a horse.

A Ride in Summerland

Whatever one may think of the opportunities for investment out here in California he must admit the charm of the country and the artistic taste shown in its development.

Yesterday a former Topeka man, Frank Petro, who now lives at Long Beach, took us with his family for a ride through some of the choicest of this delightful summerland. For 110 miles we rode over paved roads. For mile after mile we rode through fruit laden orchards. The orange season is past. The apricots and nectarines have been gathered, but the peaches with their glorious coloring are in the height of the season. The apple trees too are burdened with their loads of fruit. I cannot say much for the California apple. It is all right for looks but it lacks the flavor. The peach, however, loves the sunshine and the mild climate. I was reminded somehow of Whittier's poem describing Fredericktown:

Up from the valleys rich with corn,
 Clear in the cool September morn,
 The clustered spires of Frederick stand,
 Green walled by the hills of Maryland.

'Round about them orchards sweep,
 Apple and peach trees fruited deep,
 Fair as a garden of the Lord
 To the eyes of the famished rebel hord.

It seems as if every peach tree had put forth every blossom that its boughs would hold and that every blossom has produced a peach. All the limbs of the trees were propped to keep them from breaking under their load. At frequent intervals road merchants displayed great piles of red cheeked peaches which the passing traveler can purchase at surprisingly cheap prices.

The price of peaches is so low in fact that there is not much profit to the grower. Thousands of bushels will be left to rot upon the ground. It doesn't look right that so much delicious fruit should go to waste when there are so many thousands of people who on account of their poverty never have the opportunity to taste a peach. Our ride took us through the San Fernando valley, one of the most fertile and beautiful in California. This valley is approximately 27 miles long and 10 miles wide, and is rimmed with low lying mountains. A single company obtained control of practically all of this valley when it was mostly a barren waste. Water was obtained for irrigation purposes and paved roads were constructed by the company before the lands were offered for sale. Not only are the roads paved so that they are as fine as the best asphalt paved street in any city, but they are lined on either side by ever blooming roses and other shrubbery.

A street car line runs through the entire tract and from this company an electric current has been obtained which supplies the lights for a great white way stretching through the country for almost 30 miles. This land is not to be divided into city lots. It is to be used for farming, fruit growing and market gardening.

The prospective buyer, who has, perhaps, come from a land of snow and ice, of fierce winter storms,

of mud and excessive rains followed by drouth, excessive heat and dust, is taken out over a road as smooth as a parlor floor, and shown a tract of land where his front yard will join a flower bordered and soon to be a beautifully shaded, paved highway, lighted at night by a myriad electric globes. With a motor car he will be within 40 minutes' ride of one of the most beautiful and enterprising cities on the American continent. He will live in a land if he settled here, where flowers bloom all the year and the trees are clothed with green through all the seasons. It is no particular wonder he falls for the siren song of the real estate agent who has him in tow. The difficulties, the drawbacks, the discouragements he will have to encounter he will discover later, but for the present he is intoxicated with an alluring prospect. And believe me, it is alluring. These lands sell in tracts to suit the purchaser at from \$300 to \$1,000 an acre. As to whether it is possible to use this land for farm or truck garden or orchard at a profit considering the price to be paid, I do not know. In addition to the purchase price there must be added the cost of necessary improvements in the way of buildings, which makes the total cost pretty high. That a great deal and a great variety of things can be produced from this land there is no doubt and at least one profitable crop can be produced without irrigation; that crop is beans. I have spoken before of the bean crop of California. It has this advantage over a good many of the crops raised in California in that it may be ranked among the necessities. The children of men can live without oranges or lemons or figs or peaches, but they do need beans. When the times grow hard people will cut off the luxuries but they will still buy staples, and beans are staple. They furnish a cheap and nutritious food so that there is certain to be a market for them when there may be little market for the luxuries.

The Land of Dreams

As we drove into the valley, we passed through what is called the Universal City. In a way it may be called the City of Dreams. It is built for the use of the company which supplies a great many of the films used by the moving picture shows. Here are found imitations of all sorts of architecture ancient and modern, Moorish castles with their moted walls and donjon keeps. I am not much up on donjon keeps, but I think I have read of such things and at any rate the people who read this don't know any more about a donjon keep than I do. In this City of Dreams can be seen many persons in all sorts of fancy costumes. They are actors. I understand that Topeka supplies at least two of the leading performers, Hale Hamilton and Miss Fay Tincher. Here may be found all sorts of make believes, desperadoes of every sort, stage robbers, cowboys, knights and ladies in their picturesque and seemingly gorgeous attire; kings and queens with tinsel crowns and velvet robes bordered with gold; troops in armor going forth to mimic battle, storming paper mache castles; or modern armies with seeming death dealing guns, giving imitations of modern war for the benefit of the public, which year in and year out pours a great flood of nickels and dimes into the coffers of the moving picture show companies.

The Horse-Shoe Pitchers

At a seaside resort there are necessarily a large number of persons who have nothing in particular to do but loaf. But just sitting round grows monotonous even to a lazy man. Of course there are men who reach the point where they seem to be content just to sit and think until they finally reach the stage where they just sit, but in general even a lazy man likes to have something to occupy his attention. To provide for this natural craving the city of Long Beach has given up a corner of the library park to the horse shoe pitchers. Here all day long, barring Sunday, you can hear the click of the horse shoes. I noted with satisfaction, that some of the most expert pitchers were formerly from Kansas. It is some satisfaction to see a Kansas man leading the procession even if it is nothing more than a horse shoe pitching contest. If Kansas keeps on sending her people out here they are going to run this state after awhile.

In the Surf

If you never have gone in surf bathing you have missed a good deal. I have tackled this surf at low tide and high tide and know whereof I speak. The California sun, I might say in passing, has also had some fun with this bald dome of mine. There are many men here besides myself who are shy on hair and the semitropic sun loves them. After a congregation of bald headed men have stood uncovered in the surf for an hour or so their crowns look like an animated poppy field. One of the regulations of the bath house is that women bathers must wear caps but no provision is made for the bald headed men. Why this discrimination I cannot say. Most of the women have hair of their own which they have either grown or bought, but the man who has scattered his hair as well as his teeth along the boulder strewn pathway of life has no protection from the rays of the sun.

There is some little danger connected with surf bathing in other ways. A great many persons haven't

sense enough to come out when they have been in long enough and as a result they exhaust their vitality. Fifteen or 20 minutes is quite long enough for the first experience. After awhile you can get used to it and lengthen the time.

Then if the inexperienced bather gets gay and thinks he can swim right out into the Pacific ocean he is liable to be grabbed by the undertow and when his remains are rescued they will be full of sea water, and smelts and crustaceans. Still that may be just as good a way to die as any. If you don't want to pass over into the saccharine subsequently or take the chances of being rescued by the life guards, you had better stay tolerably close to the big rope which stretches from the shore out to what is considered the limit of safety. If you are not where you can grab the rope a wave about 10 feet high may come along and knock you over and then while you are down the undertow may grab you by the legs and say, "Come along, I want you."

The Pacific, I have discovered, has a large amount of power even when it is calm. The only person I have seen so far who seemed to be able to stand unmoved against the rolling billows was the 300-pound lady I mentioned in a former letter. With the ordinary person the large breakers just knock him over, roll over him and go on their way undisturbed.

But if you exercise a reasonable amount of sense, don't get out where you are in danger, stay by the rope of safety, come in within a reasonable time, take a shower bath and rub-down, you should feel like a yearling when the pasture is fine. You are then prepared to go to sleep, lulled to rest by the deep diapason of the ocean, as it beats in everlasting rhythm on the shore.

He's a Philanthropist

When I first came to Kansas I went out into the range country where all the talk was of brands and ranges and roundups and the things that pertained to the herds that fed on the native pastures. Barber county was along the northern edge of the vast range that stretched from the Rio Grande to the Arkansas River.

There were cattle barons who controlled range territory enough to make a great state. Among these was Major Drum. I never have known just how he acquired the title of Major but he looked the part, and in those days it was customary to bestow titles liberally. It may be, however, that Major Drum earned his title on the tented field. For the purposes of this article it is immaterial whether he did or not. He was a bluff, rough spoken man but possessed of a kind heart which was always touched especially, by the distress of women or children. The other day I was talking with his old time foreman who managed the affairs of his range nearly 40 years ago. The foreman told me that it was common for the Major to pick up a ragged urchin on the streets of Kansas City. If the boy appeared without family or friends the Major would at once direct that he be sent down to the ranch to be cared for and given a job. "It was certainly a choice collection of little brats the Major loaded onto us at the ranch," said the old foreman. "They were city gamins who, of course, didn't know the first thing about doing any work on a ranch. They were regular nuisances and we finally had to tell the Major that it was all right for him to help the poor kids but that we simply couldn't be bothered with them around the ranch."

In dealing with cattle the Major was remarkably shrewd and successful. He was a good judge of men and selected the most reliable and honest sort for his foremen. He knew how to buy and when to sell. He had as fine range as there was between the Rio Grande and the British Columbia border, and when the awful winter kill came in 1885-'86 he was one of the few who came through with comparatively little loss. I do not know what his wealth is at the present time but it is supposed to exceed a million dollars and maybe 2 million. The Major is now 87 but still hale and hearty and bluff as ever. What I was leading up to, however, is his hobby about the use of his estate after he is gone.

As I said in the beginning, under his rough exterior there has always been a great sympathy and tenderness for homeless children and out of this has grown his great idea. He has purchased a large tract of land and fitted it up with buildings and work shops. When he dies this land with an endowment of not less than half a million dollars will be left for the education and training of orphan and neglected boys, little street waifs who have been cast out to care for themselves as best they can. It is estimated that the institution can care for 400 of these waifs who are to be fed, clothed and educated and taught to work. The leading business will be agriculture, but there will be other lines as well. The idea of the Major is to find out if possible what each boy is best adapted to and then develop him along that line. When the lad is 20 he is to be sent out into the world fitted to earn a living and be a good and useful citizen. He will also be given a certain amount of capital with which to start in business.

It occurs to me that Major Drum has hit upon a most wise plan for disposing of his fortune. Vastly better, in my opinion, than to spend it in endowing colleges or building libraries to be a burden on the towns where they are located. Some of the waifs who will be gathered into the home provided

by Major Drum will prove to be a disappointment and failure because they will have no moral foundation. Not through their own fault, but through the fault of their parents they are born degenerates, but while there will be cases of this kind there will be many hundreds who will prove that all they needed to make a success was education, wise guidance and opportunity.

Major Drum is not a religious man. It has been several years since I have heard him converse. He used to be possessed of about the most picturesque and lurid fund of profanity I ever heard. I do not speak of this as being to his credit. When you come to think about it it seems very foolish to say the least, for a man to swear. The Major also used to love to sit in a stiff game of draw poker and those who professed to know used to say that his judgment on the value of a hand was fully as good as his judgment on the value of a bunch of steers. Like Jim Bludso the Major "ain't no saint," and yet it is my opinion that he is entitled to rank as a real Christian philanthropist.

The Unearned Increment

"Speaking of how little sense a man has concerning the future," remarked an old time Kansas man to me the other day at Long Beach, "twenty-five years ago I became possessed of a section of land lying very near the town of Kiowa. Now I was in that country when the general impression was that the land was worthless for any other purpose than to graze cattle on it and I imbibed that notion. I can scarcely explain how I happened to get hold of that section of land, but as it was, I didn't value it highly. I was sort of crazy to get rid of it in fact, and offered to sell it and finally did sell it for \$7,000 cash, and thought I was lucky to find a buyer. In the next few years it changed owners several times always at an advance. Ten or 12 years after I thought I had done well to sell the whole section at a trifle less than \$8 an acre, I went back to visit the town. The owner of my old quarter section of land invited me to ride out in his motor car to take a look at the place. The land that I used to think was only good for pasturing cattle on the native buffalo grass, was growing a great crop of alfalfa. I asked the owner what the land was worth."

"It isn't for sale," he said. "I have refused \$10,000 for the poorest quarter section of the four."

"Some of that land which I was glad to sell a few years ago for less than \$8 an acre would sell now for \$100 an acre, and what is more it is worth the money." This instance, is simply another illustration of the fact that the early settlers in a country rarely reap the benefits from the rise in values. They walk over fortunes and never know it until the opportunity is gone.

Speaking of letting opportunities slip reminds me of the case of Doctor Buck, who was for many years at the head of the state reform school at Topeka. The doctor is now 84, hale, hearty and apparently happy, spending his declining years at Long Beach, Calif. In his young days he decided to take up a homestead in the then frontier state of Minnesota. He selected his quarter section on the shores of the beautiful lake Minnetonka, but the country was wild and the winters were mighty cold. After trying it for perhaps a year, the young man was glad to get an opportunity to relinquish his homestead right for the munificent sum of \$300. For many years that quarter section has been selling for enormous prices to persons who want to build summer homes on the shores of the lake. If the doctor had held it until say 10 or 15 years ago it would have made him a millionaire.

Lot Ravenscraft

In a recent issue of the Daily Capital there appeared an article which apparently implicated Lot Ravenscraft of Clark county, in a crooked land deal pulled off on an Illinois man.

The article in question did Lot a great injustice. The truth is that a nephew, who happens to bear the same name as his uncle, was concerned in this swindle but the elder Lot Ravenscraft was in no way concerned in it. I have known Lot Ravenscraft for nearly a quarter of a century and never have known a single blot upon his honor. He has served his county three sessions in the legislature and had the entire confidence of his fellow members both Republicans and Democrats. Living in a Republican county, although a Democrat, he was elected to the legislature by the votes of his Republican neighbors added of course to the Democratic vote of the county. He was offered a place on the tax commission by Governor Stubbs but refused to accept the place. He has been a successful business man and enjoys the full confidence of his neighbors, regardless of politics. A good reputation is the most valuable and most cherished possession of any right thinking citizen. In comparison with a reputation for fair dealing, integrity and a desire to help his fellowmen, other possessions sink into comparative insignificance. Compared with reputation, money is but dross and lands, cattle or merchandise of little consideration. It is therefore not to be wondered at that Lot Ravenscraft should feel the hurt keenly when through a mistake his reputation was unjustly assailed. This is written to repair as fully as possible the wrong. "He who steals my purse steals trash, but he who filches my good name takes that which enriches not him but leaves me poor indeed."

A Business Saved by Dynamite

BY F. W. WILSON.

A hard-working farmer named J. P. Barger established a little nursery business at Alliance, Neb., several years ago. That's in the heart of the great plains, where immense herds of buffaloes had their wallows in the old days before Buffalo Bill and his fellow hunters started their campaign of extermination. The wallowing of the big beasts formed a layer of hardpan which has made the life of farmers and fruit growers in parts of Kansas and Nebraska miserable ever since.

Barger planted his nursery plots and dreamed of riches to come. He had little competition in his line and imagined it would be easy to sell trees to the settlers who were coming to farm on the treeless plains.

But Barger reckoned without that hardpan. He didn't know a buffalo was the animal prototype of a big steam roller; he didn't know that his tree roots wouldn't penetrate the hard soil; that moisture would be lacking to sustain the trees; but he found it out to his sorrow.

His nursery business began to decline. Customers who had bought and planted his trees, only to see them die, were coming to the conclusion that their treeless tracts must remain treeless; that trees wouldn't grow in the hard dry soil. Barger was in despair. He couldn't see a way out. About this time, someone brought to his attention the new method of digging tree holes—by blasting with a low grade dynamite.

He was skeptical at first, but desperate cases require desperate remedies. He decided to try it. The theory looked good. It was said that blasting would break up the hardpan, increase the water-storage capacity of the subsoil, improve drainage, prevent undue evaporation and aid root growth.

Barger bought some of the big noise. He didn't get killed; he didn't even lose a finger nail and his trees, given a fair chance for their lives, quit dying. Two per cent was his average loss by the new method.

Then he set about converting his customers to the new idea. That was harder. Many of them would rather do without trees than risk their lives with such terrible stuff as dynamite. At least, they so regarded it. Barger knew it wouldn't hurt anybody if it was given proper treatment, so he branched out as a professional blaster. To save his nursery business, he undertook to plant trees purchased from him, using dynamite to prepare the holes. At present, his blasting business requires a crew of three men.

So marked has been his success the past two seasons, that now he refuses to set a single tree unless the hole is first "shot." His nursery business is prospering. The treeless plains of western Nebraska are disappearing, to be replaced by beautiful shade and fruit trees.

The hardpan regions have much for which to be thankful to the firm of Barger & Dynamite. They have transformed a desert into a Garden of Eden.

Kansas Has Many Tractors

The first tractor census of Kansas, reported recently by J. C. Mohler, secretary of the state board of agriculture, shows there were 2,487 tractors in the state March 1, when the assessors made their rounds. Barton county, which led in wheat production last year, leads in the number of tractors, with 123 listed. Sedgwick county reported 87; Labette, 74; Osage, 62; Dickinson and Ford, 61 each, and Reno, 60.

"As might be expected, the central counties, comprising the wheat belt, are credited with more tractors than any other portion of the state," Mohler notes. "In 37 counties in this territory are 1,209 tractors. In 37 counties of the eastern part, 937; and in the 31 western counties, 341. Twenty-five leading wheat counties have 892 tractors, or more than one-third of the whole number."

The returns of the assessors show tractors in every county in the state except Wichita, with no report at all to Mohler from Greeley county. Many sales were made as a result of the tractor demonstration at Hutchinson last summer. Dealers report generally that farmers take much interest in the smaller makes for general farm use.

Local Dealers Must Wake Up

The Granges of Coffey County Displayed Some Good Crops

BY H. C. HATCH
Gridley, Kan.

FALL weather is here and still there is a large amount of prairie hay to put up. Much has been put in the stack this week and some in the bale, but standing grass is getting so brown that it no longer pays to bale it for sale. In a 20 years' residence here I have never seen so many stacks, acreage considered, as this year. The stacks are larger, too, being put up with stackers where in former times the hay was pitched by hand.

A trip this week over a number of roads in this county disclosed that all corn and forage crops were intensely green. Given three more weeks and most of the corn will be ripe, but it is a question if a large part of the kafir and feterita can ripen. The weather is now so cool and the ground so wet that these warm weather crops make slow progress. One week of real summer weather would do more for them than a month of the present kind.

The entire road fund of this county judiciously expended would not suffice to put the roads in as good condition as they were last spring. The worst damage has been done around culverts and in the low places. Culverts which answered the purpose in ordinary times failed to carry half the volume of water this year. This would not have done much harm had there been but two or three times of flood, but when water is pouring over the road for two days out of the week during the summer it is likely to cut gullies. The worst of it has been that at no time could repairs be made for the soil was too wet to move; even now, when gullies are being filled it must be done with soft dirt that cuts to the bottom when loaded wagons pass over it.

Considerable stock is being shipped just at present. Many farmers are shipping steers which they intended to feed, and others are letting go their surplus cows, heifers and calves. Such stock is lower than it was a month ago but it still brings good prices. Many are trying to increase their herds and the number of cattle probably has increased here in the last year. On the other hand, many are selling off part of their cattle; they say the time to sell is when prices are high and that the poorest time of all to hold on is when top prices are being paid. Probably if the cattle are not breeding stock needed on the farm now is the best time to sell.

Many schemes have been tried to get stock shippers to send their stuff out on other days than Mondays and Tuesdays, but up to this time the stock market in Kansas City is practically a three day affair. It has become a custom to ship on Monday and farmers would rather take stock to the yards on that day. It does not break up the week's work on the farm as shipments at other times would. This last Monday saw eight cars of stock shipped from Gridley by local buyers and farmers. The hogs were handled by stock buyers, but the cattle were shipped by their owners. The farmers of this locality have been keeping the Santa Fe branch busy this summer, and a great part of the time the engine has a full load from Gridley alone. We have heard it said that this is the best paying branch the Santa Fe has, length considered.

This has been fair week in Coffey county. The fair association made a radical change this year. They gave up holding the fair on the fine grounds where it has been held for years and moved down almost into town in Kelly park. The regular fair grounds are about a mile from the main part of Burlington, and the cost of going back and forth was considerable. All horse racing was abandoned this year and no costly acts were put on. The admittance fee was reduced to 25 cents while for 50 cents a ticket could be bought good for the entire five days of the fair. The program consisted of speaking, band music, ball games, foot races, exhibition of farm products by the different Granges, and for those who would not feel as though they had attended a

county fair unless they had been bunched on a small scale there was a carnival company.

Considering what the season has been the Granges that exhibited put on a fine show of farm products. The corn display was excellent; there is good corn in this county this year; all that was planted before May 15 is in fine shape. The only reason we have not raised a big crop in Coffey county this year is because such a small part of the acreage was planted early. Because of the continuous wet weather all vine crops have been a failure; we saw but one watermelon in the exhibits and that was a rather small one. But evidently some one had a pumpkin patch on well drained ground for one of the Grange booths contained a fine show of pie fruit; one of the pumpkins weighed 55 pounds, which would be a good weight in any year. There was a fine fruit show; one man had a big exhibit of many different kinds of apples, peaches and pears, all of which had been sprayed. The fruit was clean and in great contrast to that grown in the average unsprayed farm orchard.

The carnival company had a street of its own at the head of which was a big merry-go-round which played "Tipperary" most of the time. In addition the

Out of the West came the great national movement for the control of the interstate railways. Out of the West came the movement for the revision and supervision of tariff schedules in the interest of the whole country. Out of the West came the national movement for the hobbling of the old-time political boss and the employment of certain forms of direct intervention to safeguard representative government. And the West still remains, as it has ever been, the great center of original impulse toward a more and more advanced and perfect democracy.

From the wide acres over which they rove and the opportunity for reflection which comes as they work and as they read when night falls, the prosperous farmers of the West seem to develop a capacity for devoted and impartial reflection on national welfare which has in some measure been denied their fellow citizens in the East. —Frederick M. Davenport in The Outlook.

local band also played the same tune about half the time so that we became well acquainted with "Tipperary" before we were ready to take to the road. On carnival street was the usual array of dirty tents with impossible pictures in front. For a sample there was "Bingo" with a barker in front who kept repeating as if he were wound up and ran by machinery, "Bingo's alive; Bingo talks to you; and yet you wonder how she lives!" After looking at the crowd "Bingo" traveled with we wondered why "Bingo" wished to live. The "spieler" kept his jargon going by the hour with a most grave and impassive face and yet he must have been convulsed with inward laughter to see people pay money for the privilege of peering through a hole in a dirty canvas. Taken altogether, the fair reminded us more of a Fourth of July celebration than it did the usual county fair.

The Granges of this county, 22 in number, have formed a purchasing association. The plan is for each Grange to have a purchasing officer and he in turn is to transact his business with the buyer for the whole county. There is nothing compulsory about this plan; the members are not obliged to buy or sell through the organization unless they wish to do so. The idea is to have a buying and also a selling organization which will take in as many as possible so that advantage may be taken of the lowered price which goes with large orders. It is not to be a purchasing asso-

ciation alone; as much, or more, effort is to be made to sell as to buy through it. As there already is a co-operative Grange store at Burlington it is not likely that any effort will be made by the association to handle the smaller lines of dry goods and groceries. The buying and selling will be confined to that class of goods handled in large quantities such as grain, coal, lumber, fruit, potatoes, flour and feed. We cannot see why such an organization should not be a success; by combining several hundred orders in one and paying cash it is certain that lower prices and better deals can be secured.

In the above organization there will be no effort made to fight the local dealer. If he can quote prices and give quality he will get the order. In fact, there is a disposition to give the local man every chance to do the business. But in order to get this co-operative business he will have to cut himself loose from his credit customers and go on a different scale. Credit business has held back the local merchants in the past and is responsible to a large extent for the inroads made by the mail order houses. The local merchant cannot bring himself to make two prices, one to cash and one to credit buyers, so he has treated them all alike—and on a credit basis. The man with the cash objects to making good bad debts. Every country merchant you talk with will tell you that he could meet any mail order price if he could get the cash as the mail order houses do. And yet he makes not the slightest effort to get this cash trade. If things continue in the future as they have in the past it is possible that the local merchants will handle credit business alone while the cash will go to houses that recognize the value of ready money.

A Central Slaughter House?

A central slaughter house, government owned and operated, where the stockman can ship his stock, have it slaughtered and then sell the carcasses, instead of the live cattle, is recommended in a letter from W. A. Cochel, professor of animal husbandry at the State Agricultural college. The letter was received recently at the office of Governor Capper. The governor had written to H. J. Waters, president of the college, as a result of letters from Senator Arthur Kinkle, of Council Grove, and other stockmen, protesting that the packers were manipulating the market so that cattle are bringing much less than they are worth.

"I commend Professor Cochel's plan for a government abattoir without reserve," President Waters wrote the governor, inclosing the Cochel letter.

"Personally, I believe the packers exert all the influence they can upon the market," says Professor Cochel. "The only restraining feature is the speculator or the order buyer."

"I do not believe this will be remedied until the government establishes a central slaughter plant to which cattle can be consigned for immediate slaughter and their carcasses rather than the live stock sold. I see no reason, whatever, for the expense incurred because of yarding, feeding, and selling fat cattle, and the expense incurred by packers for buying, driving, and holding live cattle when the whole proposition simply is a guess as to the probable guessing percentage and quality of meat, which any given load of cattle will bring."

In other words, it seems that Professor Cochel would have the government slaughter the cattle for the farmer. Then the farmer would sell the carcass, the meat, instead of selling the live animal. He holds that this system should save the loss in weight attendant upon handling the cattle at the yards before a sale is made. It would cut out a good deal of the middleman's profits.

"Before this can be done, however, it will be necessary to devise some means of financing the cattleman so that he will not be under the necessity of liquidating his account with the local bank on the day following the shipment of his cattle," Cochel continues. "As you doubtless know, the high cost of meat is due largely to the fact that the majority of the American people want the best cuts."

She—"The diamond in this engagement ring is awfully small."
He—"I told the jeweler it was for the smallest hand in Boston."—Philadelphia Bulletin.

Fighting the Cattle Tick

A plea for concerted effort in fighting the Texas fever or cattle tick is being made by the Chamber of Commerce of the United States through its committee on statistics and standards. In a special bulletin just issued, A. W. Douglas, of St. Louis, chairman of the committee, declares that because of the Texas fever tick, the South only produces about 31 per cent of the cattle supply of the country whereas it could and should produce more cattle than any other section of the United States.

Striking figures are exhibited which show that the effect of the tick, besides causing great mortality among the cattle, seriously reduces both their weight and their value. Average weights of beef cattle in the tick-infested states are:

Florida	340 pounds
Georgia	419 pounds
Louisiana	471 pounds
Alabama	500 pounds
Mississippi	550 pounds

In states free from the tick average weights of such cattle are:

Wyoming	985 pounds
Idaho	986 pounds
Montana	938 pounds

The average value of beef cattle in tick-infested states is:

Georgia	\$18 a head
Florida	18 a head
Alabama	20 a head
Mississippi	22 a head

In states free from the tick the average value is:

Wyoming	\$64 a head
Montana	80 a head
Idaho	56 a head
Ohio	56 a head
Illinois	56 a head
Indiana	54 a head

The tick varies in size from being almost invisible to the naked eye to half an inch in length, according to the various stages of its growth. Its life history commences with the fully developed and fertilized female, engorged with blood, which loosens her hold upon the animal and drops to the ground, where she lays from 1,500 to 3,000 eggs. She then dies, having accomplished her full purpose. The eggs are very tenacious of life, and under unfavorable circumstances may remain dormant for several months. The larvae or "seed ticks," as they are called, are very minute, being only about 1-32 inch in length. They crawl actively about on the ground, and gather in large numbers on shrubs, weeds, blades of grass and fence posts, awaiting an opportunity to attach themselves to passing animals, either horses or cows. Failing to do so they die eventually of starvation. When attached to cattle they immediately begin to draw blood from their host and develop rapidly. The female is fertilized while attached to the animal. The female tick then slowly enlarges for a period varying from a week to three weeks in summer, drops to the ground, and the weary round starts all over again.

There are several remedies for the tick, but the best seems to be the application to the cattle infested of an arsenic solution, by spraying or else by dipping the animals in a vat filled with the solution. It is entirely effective and most economical for the results obtained. This is followed by rotation of pastures, the cattle thus treated being taken to new feeding grounds, free from ticks, until the ticks in the infested land have died from starvation. The case of the tick is known as one of perfect parasitism. They attach themselves only to horses, mules, donkeys and cattle, but do not produce the Texas fever in any of these save cattle. When unable to find a host among those animals they perish from lack of food.

Since 1906 the federal and the state governments in the infested area have conducted a systematic campaign for the extermination of the tick. About 250,000 square miles, or approximately one-third of the original tick territory, is consequently enjoying the benefit of this campaign, in results of more and better cattle, of higher breeds, and in commanding better prices. The cost of such a campaign to the federal government is about \$10 a square mile. The rest of the country is quarantined against the tick-infested area, and shipments from this area to points outside can be made only to stock yards for immediate slaughter.

Flying ants gather about the highest thing in sight. If attacked by them set your hat on the end of the whipstock and they will not trouble so badly.

Better Horses for Kansas

There Is an Encouraging Interest in Improving Draft Animals

BY F. B. NICHOLS
Field Editor

KANSAS farmers are making rapid progress, especially in the leading localities, in improving the quality of draft horses. Good evidence of this was offered at the state fair at Topeka last month, in the number and quality of the herds entered in the horse department. There were 31 exhibitors, which was far more than there had ever been before, and more than 75 per cent of the prizes in the draft horse section were won by the farmer-breeders—by men who make the raising of horses merely a part of the farm work.

The record made by the farmers at Topeka was the sensation of the western fair circuit this fall. They took a large number of prizes in the face of the hardest kind of competition from the big dealers, for Woods Brothers, Lee Brothers and W. S. Corsa were well represented. Farmers won many of the important firsts—for example, Joe Armstrong of Emporia took first in the aged Percheron stallion class on Isola, in very tight competition. Almost all of the farmer stuff was in excellent condition.

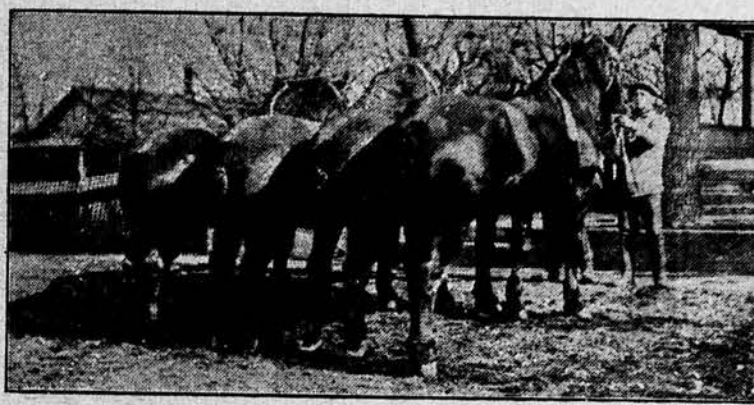
All over the state you can find that there is a very general appreciation that quality will pay in horses, and this is the basis for the effort which is being made to get the better animals. There has been a general clean-up of the trash stuff on many farms in the last year; a great deal of it has been sent to the war market, where it usually has

aid materially in improving the quality of the stallions of this state. This law was passed largely as a result of the work of Dr. McCampbell, who has done more than any other man in Kansas to raise the quality of the draft animals.

Away With the Scrub.

The day of the scrub stallion is passing, although it is true that the percentage of the grades still is distressfully high. However, it is decreasing, and this is coming because the mare owners are willing to pay higher stallion fees for animals that have real quality. You can hear more about \$12, \$15 and \$20 fees than formerly, and there is not so much of a roar raised at paying these prices as there was five years ago. The belief is becoming increasingly common that the money which is required for high service fees is about the best investment there is in the horse business if it pays for real quality.

After good breeding is obtained it is necessary that the colt should be fed a liberal ration of quality feed or it will never make the right growth. Especially have the investigations conducted by Dr. McCampbell indicated the supreme importance of good care with colts the first winter. The colt that is placed out in the stalk fields and compelled to rustle for himself will never make the development he might have made. Instead of this he should be supplied with



Here Are Four Purebred Percherons, With an Average Weight of 2,100 Pounds, Which Are Doing Ordinary Kansas Farm Work.

brought a fair price. There have been some remarkably large shipments of war horses from Kansas; some of the leading horse dealers of the state, take C. W. Lamer of Salina for example, have gone into this business extensively, and they have bought many trainloads of animals in this state.

The Purebreds.

More than this, the war has had a very beneficial effect on the purebred horse business. In the first place it has shown that this country must stand alone in horse production, for the export business of Europe has been all but ruined. This has helped to eliminate once for all this strange idea that good horses cannot be produced in America. The fact is that Kansas can produce just as high quality of Percherons as any section of France if the animals are given the proper care; if they have good breeding behind them, and the right kind of feeding.

The right breeding is necessary of course and this means that great attention must be given to the quality of the stallion. Kansas farmers must be willing to pay larger fees for the services of a good stallion in order to raise the general quality of the stallions of this state; it costs money and a great deal of it to maintain a stallion of the quality of Isola for example, and it is necessary that the owner should have a proper return. As Dr. C. W. McCampbell of Manhattan, the secretary of the Kansas Livestock Registry board, has shown, a great many of the stallion owners of this state are operating at a loss. The law which was passed last winter giving the owner of the stallion a lien on the colt will help in getting a proper profit to the stallion owners, and

good shelter, pure water and all the alfalfa hay and good roughage he cares to eat. A good concentrated feed which is cheaper than oats and will produce even better gains is corn 70 parts, bran 25 parts and oil meal 5 parts. This should be fed at the rate of 1 pound a day for every 100 pounds of live weight.

If a good bluegrass or bluestem pasture is available in the summer it will not be necessary to feed grain, but if the growth is cut short by dry weather some grain should be given. The ration the second winter should be about the same as that given the first winter. This ration was the cheapest and best of the many that have been tried by Dr. McCampbell.

More Efficiency Is Needed.

"The big thing in the horse business in Kansas is to develop more efficiency in the way it is run," said Dr. McCampbell. "There should not be the extensive use of geldings and mules for farm work which there is, for mares should be used instead. I do not say that a mare will do as much work as a gelding of like weight and raise a colt at the same time, but I do say that three good mares will do as much work as two geldings, and they will produce two good colts on an average which should be worth upwards of \$100 at weaning time if they have been handled properly."

"There is no reason for any vast rush into the purebred horse business, as this is something which requires a great deal of study. There are good opportunities in purebred horses, however, for a man who will study the business. I believe that as much money can be made for the first few years in the purebred business if one sells the colts at weaning time or as yearlings to some

of the larger horse farms that have good selling organizations. On these farms special care is taken in the feeding, and frequently the animals get a much better development than they would get if there were just two or three on the farm. Most of the selling business in the Percheron district of France is run in this way; the big operators buy the colts when they are young, and feed and develop them in large lots."

Good breeding and feeding can do wonders in the next few years in increasing the quality of the horses in Kansas. There is no fundamental reason why this development should not be carried on until this becomes the recognized draft horse center of the country.

Lumpy Milk

I have a young cow that has given bloody milk from one teat for about two months. Sometimes it comes out in chunks. What is the cause? I would like to have a remedy. I also have a cow that has given cloudy milk for the last few days. Please give me the cause and a remedy.

Towanda, Kan. E. V.

The cause of bloody milk is a small tumor in the teats or the rupture of a small blood vessel in the udder. It usually ceases spontaneously. The internal administration of 1 ounce of fluid extract of ergot daily for three consecutive days may be of value. This treatment should not be given if the animal is pregnant, as it may cause abortion.

Lumpy milk may be caused by infection in the udder. It may be treated by injecting, into the affected quarter, 1 quart of a luke-warm 1/2 per cent fluoride of soda solution or 2 per cent boric acid solution. The solution should be retained in the quarter for about 15 minutes, and thoroughly worked into every part of the udder. These injections must be very carefully made, having all instruments and anything coming in contact with the teat during the injection strictly sterile, as otherwise a very serious infection results and a complete loss of the udder may be the consequence.

K. S. A. C.

Dr. R. R. Dykstra.

A Sore Tooth

I have a mare which has had a running sore on her head, just below the right ear, for several years. There seems to be a small lump or bulged place under the skin, and from this a small opening from which matter usually runs. Not long ago the place surrounding was very swollen, and she seemed to be in distress. Some have suggested it may be a tooth. If so, would it be dangerous to operate and pull it, in such a place? At times the place seems to heal up and not bother, but most of the time it discharges a very offensive matter.

Washington, Kan.

F. A. M.

The running sore on your mare's head occurring just below the ear is, undoubtedly, due to the presence of some foreign body. In practically all cases such foreign bodies consist of teeth. If the teeth are loose, they may readily be removed by making an incision over the swelling and simply scraping out the teeth. Sometimes the teeth are firmly adherent to the bone, and in this case it becomes necessary to chisel them off. Healing will not take place until the foreign body has been removed. It is known as a "dentigerous cyst."

K. S. A. C.

Dr. R. R. Dykstra.

Some Results of Distemper

I have a horse that had a case of distemper last spring, and since then he has had a bad cough and the heaves. What should I do?

Burns, Kan.

L. A. DIETRICH.

I would suggest that you give your animal the following medicine for the cough and heaves:

Arsenic trioxide 2 drams
Bicarbonate of soda 2 ounces

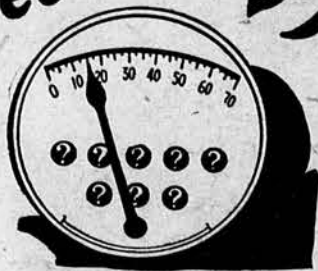
These ingredients are to be mixed and the animal is to be given one powder daily in the feed until six powders have been given. Then discontinue the medication for one week, after which the remaining powders are to be given at the rate of one daily. In addition to the foregoing treatment it is a good plan to feed the animal grass instead of dry fodder. If the latter must be fed it should be sprinkled with lime water. The form of treatment recommended is not curative, as heaves is incurable. It will, however, relieve the symptoms materially during the time the treatment is being administered.

K. S. A. C.

Dr. R. R. Dykstra.

What the shade of Napoleon remarked when he heard of the capture of Warsaw: "Mind the steppe."—Punch.

What does
your Speedometer
Say?



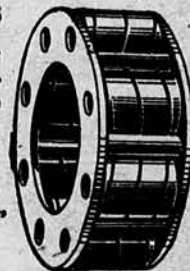
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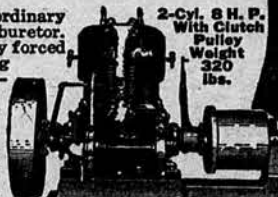
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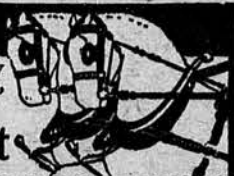
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For a Real Farm Education

L. C. Christie of the Reno County High School at Nickerson Believes
the Schools Should Feature Country Life Training

THERE is an increasing belief that the time to save the country young people to the farm is when they are young, before they have had time to feel the lure of the city. If they can be led at the time of most rapid development to see that the country offers more than the city, both financially and in the opportunity to lead a satisfactory life which is filled with real contentment, they will stay with the open fields, and aid in developing the rural civilization which is being established in Kansas. To bring this about requires education in the technique and inspiration which belong to country life, and thereby is suspended a tale—the story of L. C. Christie and his efficient work in the Reno county high school.

One of the few really remarkable achievements in country life education is being accomplished at Nickerson. A real effort is being made by Mr. Christie to make this school articulate with all phases of country life.

He is a graduate of the Kansas State Agricultural college, and he has a deep appreciation of the technical end of more profitable production, but even more important than this he has the farm view-

in 1915. Especially complete variety and seedbed preparation tests with wheat have been carried on. Considerable work also is done with truck and fruit crops. The big crops exhibit from this farm was a feature at the Kansas State Fair at Hutchinson in September. It attracted far more attention than any other display.

More Profitable Crops.

Some of the important lessons that can be gathered from the work on the farm, according to Mr. Christie, are the need for a larger acreage of the legumes, especially alfalfa, in Reno county, and also for more attention to the leading sorghums. The production of a larger acreage of these feed crops should be accompanied by an increase in the livestock of course—indeed this is necessary if a more profitable type of farming is to be established there.

In addition to this classroom and experimental work there is still another important effort which is being made by Mr. Christie—the extension work among the farmers of that section. This is much in the nature of the ordinary work of a county farm agent, only the time has not been available to do so much as Mr. Christie would like to do in this line. Enough has been accomplished, especially with the farm management survey, to show that it is very desirable that an agricultural high school teacher should do considerable work of this kind.

The work which Mr. Christie is doing at Nickerson is one of the most remarkable efforts in secondary agricultural education in the country, and it is being watched with great interest in many counties in Kansas where farmers are thinking of demanding that a high school course in agriculture should be established. The success which he is having shows quite well that a course of this kind is profitable, and that it will do much to increase the belief in rural life among the country young people, and also add to the profits in farming.

When a county has a course of this kind it trains its children in the schools toward the farm, not away from it, and it gives them an efficient training in practicable, everyday things such as they are likely to encounter in after years. The students get a real preparation for life. Reno county is blazing the trail in the effort to get a type of school work for country young people which will help to establish a more profitable and satisfactory farming system.



Kafirs from the School Farm.

point, or the ability to couple up the needs of Reno county farming with the scientific methods which have been worked out to satisfy these wants.

A Better Chance.

"Our work in farming in this school is conducted with the belief that country life offers greater opportunities than city life, and also with the idea that a study of agriculture has as important a broadening effect on the mind of a student as work with the classical subjects," said Mr. Christie a few days ago. "I believe that if a study of agriculture is carried on with these two facts in view it will solve most of the rural life problems of Kansas. In other words, the idea is to lead the student to see the opportunities in rural life, and then to help him in getting greater efficiency in his life there, which will add to his money making power."

A regular four year course in agriculture is offered in this institution, which takes up a great deal of very technical work in crops, soils and livestock. In addition, work is provided in farm management, which is based on the results on some of the best farms in that section, and in farm accounting. Much of the time in the last term of the senior year is taken with a study of the social features of rural life in Reno county, with the idea that it can be made much brighter and more satisfactory.

To provide a proper basis for this classroom work a 40-acre farm is operated, which was self supporting last year, by the way, even if a great deal of experimental work was done. Many variety tests with crops are made here—this included 17 varieties of sorghums and an equal number of varieties of corn

Kansas Won at Denver

Kansas won first place with its agricultural exhibit at Denver, in competition with the world. The \$500 silver cup and blue ribbon were awarded to this state by the judges in the International Soil Products Exposition. Nebraska took second place and Oklahoma third. Officially, the class in which Kansas took the lead was the "Special National, State or Provincial department" open to the world. Colorado, of course, was not a contestant. The award carried a prize of \$100 in addition to the big silver cup offered by the congress.

It is doubtful whether any state ever presented a better or more convincing proof of its agricultural resources. Men accustomed to such displays gave this one their most generous approval. Other states, it should be admitted, had exhibits as varied and some, notably Nebraska, had more items, but Kansas led, the judges declared, in educational value and in artistic arrangement. Grains and grasses and fruits and vegetables, labeled and beautifully arranged, the whole made brilliant with electric lights and plate glass, served to hold the crowds for hours. The Kansas display was designed by B. S. Wilson, of the agronomy department of the Kansas State Agricultural college at Manhattan, assisted by M. C. Sewell, of Garden City. The work was made possible by a special appropriation of \$1,000 given by the legislature last winter.

The German Crown Prince says the war will end in December, but neglects to say December of what year.—Don Marquis in New York Evening Sun.

Grange Union is Winning

The West Buffalo Community Is Making Rapid Progress in Introducing Co-operation in Buying and Selling

MORE progress has been made in co-operation among Kansas farmers this year than ever. The movement has now reached the proportions of an avalanche. You can find this in almost every community in the state, especially where the Grange or the Farmers Union has obtained a start. The remarkable growth of the Grange in Kansas in the last two years has done much to aid in the progress of co-operation.

One of the main items which has entered into the success which the Grange is having with its co-operative efforts is that it has gone into the movement in the fundamentally right way—the aim has been to start the community slowly, and to teach the success of the buying and selling together idea by experience with simple things at first. This has been most fortunate, for the history of co-operative efforts among farmers the world over shows that most of the failures have come when the community started into co-operation on a big scale right at first, without experience. The sections where the start is made slowly, with perhaps the purchase of a carload of coal or potatoes, almost always win.

A good example of the communities which are in all stages of progress so far as the co-operative idea is concerned is offered in Woodson and Coffey counties. For example, take the West Buffalo community in Woodson county. When the Grange was organized in this neighborhood less than two years ago there had been little co-operative effort, and there was no special confidence among the farmers in their ability to work together. They organized, however, with H. A. Nichols of Buffalo as master, and in addition to the other beneficial results of Grange work they began the buying of carload lots of supplies together. The start was made by the purchase of mill feeds, and as the sales were made to the individual farmers before the car was ordered no risk was run by the Grange. When the car arrived the men simply went to the track and took the amount of feed which they had ordered.

Co-operation Grows.

The idea became very popular, for there was quite a saving as a rule over the prices which the local merchants had been charging. The farmers soon acquired more confidence in their ability to work together, and they ordered cars of potatoes and fruit of various kinds, even peaches, which is about the superlative in perishable produce. Immense savings were made on special lines; for example, a carload of binding twine was ordered last June, at a price which was far less than it could have been purchased for in local lots. A member was appointed to handle the Grange insurance, and as soon as the old line policies ran out the protection was taken out in the Grange. This efficient insurance, with its low rate, is very popular with the Woodson county Granges.

With this success on the buying end came a belief in the ability of the members to work together in the selling of their produce, and a hog shipping association was organized. A member was appointed as the hog shipper, to handle

this work. Especially good success has been obtained with this venture, and the farmers now are getting from 25 to 40 cents a hundred more than they would obtain if the Grange were not organized. In other words, the farmers are getting all that their hogs bring on the Kansas City market, less the actual selling costs. There is no excess profit; the hog shipper is paid merely a fair rate for the time it takes him to go to the station on shipping days and weigh up and load the hogs.

These successful ventures have aroused a great deal of confidence among the farmers in the West Buffalo community in their ability to work together, and it is a belief that seems to be mighty well founded. The success has led them to think, also, that they can co-operate to a greater extent with other things, and they expect to go ahead with this progress. So far they have gone exactly right, and have learned the factors of co-operation step by step, and there has been no lost motion. Encouraging success also has been made by the Granges in the nearby communities, and frequently several of the organizations will go together in some co-operative effort that is too big for one Grange to handle. More than this, Grange picnics are held, sometimes by several of the chapters, which have done much to increase the community spirit of that section, and the belief in the life which can be built up there.

For More Progress.

The progress that will be made in the future will be watched with interest. Perhaps it will take the form of the effort in Coffey county, which adjoins Woodson county on the north, where a Grange store and a very close union of all of the Granges of the county is the rule. At any rate it is safe to forecast that the efforts which are made will result in material progress. It is certain that it will help in getting better farming methods. It already is quite obvious that the Grange communities in Woodson county are much more attractive and progressive than they were two years ago—there is a greater belief in country life, and better methods are being used. The big aim of the Grange has been to show that the country can be made attractive and happy, and that if the proper co-operative effort is put forth it will yield more real satisfaction than any other life.

Especially has the Grange done much in Woodson county to help with the social features of country life. Its regular meetings provide a place to go, and it is a place where one will be benefited by going, too. They are doing much to teach the younger members that country life is attractive, and that it offers a future that is worth while.

To Boost the Kafir Crop

The Fourth Annual Kafir carnival will be held at Eldorado, October 20 to 22. All of the citizens of Kansas are invited.

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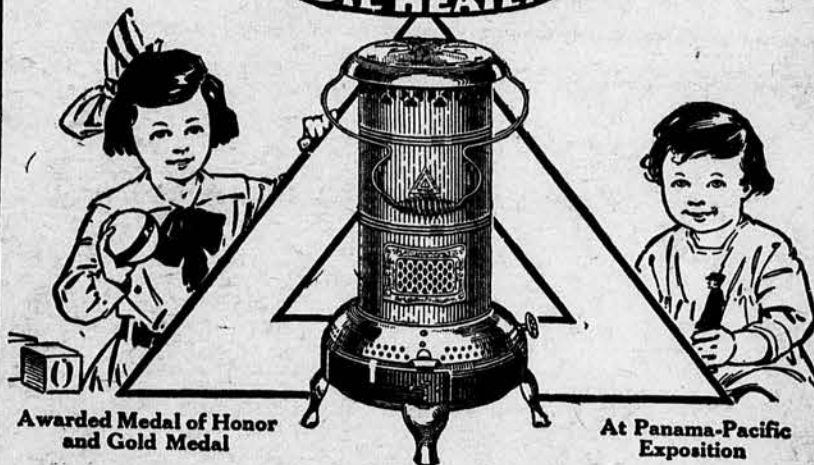
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HOW well you know it! "The average farm does not possess sufficient power to do the plowing at the right time and to the proper depth." Consider the many times you have lost patience with sick horses, sore shoulders, bad weather.

Use your horses for the work they are fitted for. Plow, disk, harrow, seed, and harvest with a Mogul 8-16 oil-burning tractor. Then you can plow at the right time and as deep as you please.

After a season's experience with a Mogul 8-16, one farmer wrote us these memorable words, "It is the greatest one-man efficiency tool I know of. With it, one man is equal to several teams and a gang of men. 'Let the tractor do it,' has become our farm slogan."

When the farmers of this country appreciate all that a Mogul 8-16 will do, and the low cost of using it, there will be easier times for men and horses, and more work done, on thousands of American farms.

Mogul 8-16—The Small-Farm Tractor for All Farm Work—is delivered to you for \$675 cash, f. o. b. Chicago. Get posted on this wonderful little machine. Begin now to "Let the tractor do it" on your farm. Write us for full information.

International Harvester Company of America
(Incorporated)

CHICAGO USA

Champion Deering McCormick Milwaukee Osborne Plano

Co-operative Creamery Notes

These items of especial interest to creamerymen are provided by the American Co-operative Journal:

PLEASANT HILL, MO.—The organizing of the co-operative creamery here is going steadily forward.

GOLDEN VALLEY, N. D.—The Farmers' creamery at Golden Valley has opened for business and is running full blast.

MUNICH, S. D.—The Munich Co-operative Creamery Co. will reopen its plant next spring after it has been thoroughly renovated.

GEDDES, S. D.—There is a move on foot to form a co-operative creamery company and take over the Jay Welch creamery plant.

BEMIDJI, MINN.—Members of the Rosby & Grace Farmers' club have decided to establish a co-operative creamery at Rosby.

BALLTOWN, (R. D. Waupeton), IOWA.—The Balltown Farmers' Co-operative Creamery Company has been incorporated with a capital of \$5,000.

EVELETH, MINN.—A movement is on foot to establish a creamery in Eveleth for the accommodation of farmers from the district south of the city.

LAFAYETTE, MINN.—Farmers of this vicinity organized a new co-operative creamery, to be known as the Farmers' Co-operative Creamery of Lafayette.

ELMORE, MINN.—The Elmore Farmers' Co-operative Creamery Co. for June paid 32 cents a pound for butterfat, and distributed among the farmers around Elmore \$7,667.

MASON, WIS.—A new farmers' co-operative creamery is now being built at this place, with a capital of \$5,000. The creamery will start with a milk supply of 700 to 800 cows.

DEXTER, IOWA.—The Dexter Co-operative Creamery association has purchased the lot east of the M. W. A. hall, and will erect a new modern building as soon as work can begin.

STOCKHOLM, WIS.—Stockholm Co-operative Creamery Co., Stockholm; capital, \$5,000; incorporators, Tom Carpenter, E. O. Anderson, Charles Moline, I. S. Anderson, E. T. Josephson.

GAYLORD, MICH.—The Gaylord Co-operative Creamery Co. is doing a good business this season, having an increase of nearly 30 per cent over last year. Frank Libcke is butter-maker and manager.

ELK MOUND, WIS.—The contract for the new building of the co-operative creamery company has been let. The contract price is \$8,250 including boiler, heating and plumbing. Work will be started at once.

BIG RAPIDS, MICH.—After three years successful service, F. G. Fitner has resigned his position as butter-maker and manager of the Model Co-operative Creamery association. He is succeeded by A. E. Armstrong of New Baltimore.

BOYCEVILLE, WIS.—A. S. Schwartz has begun work on the new Boyceville Farmers' Co-operative Creamery. The new creamery is to be constructed of brick and the interior will be very conveniently arranged with two weighing places.

TOPEKA, KAN.—Stockholders in a farmers' co-operative company who do not transact business with the company are entitled to share only in the fixed dividends, and not in the surplus profits of the concern, S. M. Brewster, state attorney general, ruled.

COMSTOCK, WIS.—The following is a business statement of the Comstock Co-operative Creamery Co. for June: The amount of butterfat received was 42,729 pounds, cream received 14,006, number tubs shipped 199, number patrons 309, price paid 30 cents. Amount paid for butterfat was \$12,818.

A patronage dividend is reported at an important station in Nebraska. The centralizers were not paying the farmers within 5 cents of what butterfat was

worth in the market. As a result the farmers became dissatisfied and put in a co-operative creamery. This was run on a strictly co-operative basis and all surplus divided on a patronage plan. Now the competing centralizers not only pay 5 cents more a pound for butterfat on the same market but have adopted an unheard of plan of paying a dividend of 2 cents to their patrons. Clearly the purpose is to put the co-operative creamery out of business. Think of a centralizer paying a patronage dividend.

Finding Engine Trouble

BY E. R. GROSS,
Colorado Agricultural College.

If your engine has been in use very shortly previous to the time you experienced trouble in starting, trouble may be due to dirty or short circuited points. With a contact ignitor, test completely without removing the ignitor from engine as follows: First see that all connections in battery and wiring are firm, then loosen the wire from the insulated stationary electrode and with switch closed, snap wire across other terminal. If a good spark is produced you are sure battery is giving current.

Next turn engine till ignitor trips and try wire on insulated electrode. If a spark is produced here, the points are short circuited inside, probably by water or carbon. If no spark, the points are not short circuited. Now turn engine again but stop just before ignition trips. Points are then in contact inside. Try wire again on the insulated electrode. If no spark is produced points are dirty. If a spark is produced the ignitor is all right.

If points are dirty or short circuited, the ignitor must be removed and cleaned. Tests are best made in order given as it would do no good to test for dirty points if battery is worn out or if points are short circuited.

With a jump spark system, the test is not so easy, but the plug can easily be removed, examined and tried while outside the cylinder. Be sure the plug is dry as a very fine film of moisture, even though it be gasoline, covering point and porcelain will short circuit a plug. Battery is tested by short circuiting plug on outside before removing from cylinder. For this purpose use screw driver or other tool with wood on handle to prevent receiving a shock.

A DOCTOR'S EXPERIENCE

Medicine Not Needed in This Case.

It is hard to convince some people that coffee does them an injury! They lay their bad feelings to almost every cause but the true and unsuspected one.

But the doctor knows. His wide experience has proven to him that, to some systems, coffee is an insidious poison that undermines the health. Ask him if coffee is a cause of constipation, stomach and nervous troubles.

"I have been a coffee drinker all my life, and when taken sick two years ago with nervous prostration, the doctor said that my nervous system was broken down and that I would have to give up coffee."

"I got so weak and shaky I could not work, and reading an advertisement of Postum I asked my grocer if he had any of it. He said, 'Yes,' and that he used it in his family and it was all it claimed to be."

"So I quit coffee and commenced to use Postum steadily, and in about two weeks I could sleep better and get up in the morning feeling fresh. In about two months I began to gain flesh. I weighed only 145 pounds when I commenced on Postum and now I weigh 167 and feel better than I did at 20 years of age."

"I am working every day and sleep well at night. My two children were coffee drinkers, but they have not drank any since Postum came into the house, and are far more healthy than they were before." 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.



Time to Fix Your Flue

The state fire marshal reports that 335 fires were caused by defective flues in Kansas in 1914. The property destroyed amounted to \$223,410. Every dollar of that loss was preventable. Not one of these 335 fires was necessary. Had the owners of these buildings seen to it that their flues were in proper condition their property would have been saved.

And that is just what the state fire marshal department would like to see done this year. It isn't possible of course to get everyone to take the necessary trouble. Think of the folly of burning \$223,410 in comfortable homes and useful business buildings just to escape the trouble of looking after the chimneys.

It will soon be time to put up heating stoves for winter, and flue repairing should be attended to at once. With the coming of cold weather the flames from the stoves will begin roaring up the chimneys, and then if there is a crack or crevice—look out! Perhaps in the middle of the night, when the wife and children are sleeping the peaceful sleep of the pure and just, the flames will ooze out into the attic; the smoke will force its way down through the crevices into the sleeping rooms where the helpless wife and children lie; the careless father will awake half suffocated with the fumes to find his home in flames and his wife and little ones in imminent danger of death at the hands of the red dragon of fire. Why take such chances?

Schools Must Have Fire Drills

The holding of monthly fire drills in every school, public or private, in the state of Kansas is specifically required by the laws of the state. Members of school boards failing to see that this requirement is met are liable to arrest and fine.

Thousands of American children have lost their lives in school fires in past years. No one knows when some disaster of this sort may occur in one of our Kansas schools.

When fire breaks out in a school building a panic is almost sure to follow unless the children have been trained to meet the emergency. Doors and passageways become jammed. Many are trampled on and crushed while others are injured or killed by jumping from upstairs windows. The exits are blocked and helpless boys and girls are imprisoned and are burned alive.

The only way to prevent such disasters is to see that all school buildings are properly constructed and cared for, and that the pupils are diligently trained in the matter of getting out of the building.

Every effort will be made by state fire marshal L. T. Hussey to see that the fire-drill law is enforced this year in every school in the state. It is hoped that school boards and teachers will co-operate in the movement.

Institutes for the Autumn

Here is a list of the first series of farmers' institutes for the year 1915-1916 as announced by E. C. Johnson, division of extension, Kansas State Agricultural college:

Oct. 15, Jennings; 16, Selden; 18-19, Colby; 20-21, Goodland; 22-23, St. Francis; 25, Bird City; 28, Herndon; 29-30, Oberlin. Speakers: Ross M. Sherwood, H. T. Nielsen and Miss Stella Mather.

Oct. 12, Nortonville; 13-14, Sabetha; 15, Bern; 16, Summerfield; 18, Axtell; 20-21, Vermillion; 22-23, Frankfort. Speakers: Miss Marion P. Broughton, entire circuit; George O. Greene, on 12 and 13; Carl P. Thompson remainder of circuit.

Oct. 11-12, Wamego; 14, Michigan Valley; 15-16, Hamilton; 18-19, Marion; 20-21, Council Grove; 22-23, Alma. Speakers: George O. Greene and Miss Marion P. Broughton at Wamego first day; H. J. Bower, Walter Burr and G. E. Bray, second day; H. J. Bower and Walter Burr remainder of circuit.

Oct. 12, Idama; 13-14, Miltonvale; 14-15, Jamestown; 16, Hollenberg; 18-19, Haddam; 20-21, Clyde; 22, Mahaska; 23, Bala. Speakers: A. S. Neale, first week; J. B. Fitch, second week; Dr. C. A. Pyle at Jamestown Oct. 14. Miss Winifred Fortney entire circuit.

Oct. 11, Kincaid; 12, Redfield; 13, Arcadia; 14, Hepler; 15, Brazilton; 19-20, Altamont; 21, Hackberry; 22-23, Savonburg. Speakers: Carl G. Elling, first week; H. B. Walker, second week.

Oct. 11-12, Olsburg; 13-14, Valley Falls; 15-16, Denison; 18, McLouth; 19-20, Tonganoxie; 21, Jarbalo; 22, Bascher; 23, Lenexa. Speakers: Miss Louise Caldwell, entire circuit; Carl P. Thompson, first three days; George O. Greene, remainder of circuit.

Oct. 11-12, Stockton; 13, Nicodemus; 14-15, Hill City; 16, Morland; 20, Winona; 21, Quinter; 22-23, Gove. Speakers: W. A. Boys, P. E. Crabtree and Miss Alice Poulter.

There are compensations in all things. When women get the suffrage they won't want to be moving all the time, for fear of losing their votes.—Puck.

Children's Stock Judging

Stock judging contests for boys and girls in connection with agricultural fairs have been conducted this year by one of the county agricultural agents, W. E. Watkins of Allen county. Mr. Watkins conducted a contest in the judging of hogs and cattle at the Iola fair, 19 boys and eight girls being enrolled. Miss Mabel Dunlap of Carlyle won the first prize in judging Poland China hogs. William Conston of Kincaid won first place in judging Shorthorn and Jersey cattle. This boy was reared in New York and has been on the farm but one year. Miss Helen McClure was the best judge of Jersey cattle.

Contestants received 50 per cent for placing the animals and 50 per cent for written reasons for the placing. Stock judging contests will be held at five other local fairs in Allen county this fall. The first premiums in these contests are trips to the state farm and home institute, which will be held at the agricultural college December 27 to 31.

In southwest Kansas L. H. Gould, district agricultural agent, has been waging a campaign against hog cholera which has broken out in a few localities. With the assistance of the veterinary department of the agricultural college and of the office of the state livestock sanitary commissioner, 800 affected hogs

"Prison work should be re-organized to get better results. More coal should be mined. More twine and brick made. More farm products grown. A new system of up-to-the-minute bookkeeping should be installed, whereby every dollar of the state's money and all supplies shall be strictly accounted for. The commissary officer should be required to take a receipt for everything he issues. The mine superintendent should be required to weigh correctly and take a receipt for every delivery of coal. These are only some of the things that should be done. I have no doubt the board will find many more things that can be done and that must be done to improve discipline and the business conditions of the prison."—From Governor Capper's Letter to the Board of Corrections, Which Under the Law Is Responsible for the Conduct of the State Penitentiary Found in a Demoralized Condition by the Investigating Committee.

have been treated with serum near Dodge City. Mr. Gould visited the herds several days after vaccination and found an unusually high record of effectiveness.

Farmers' Month at 'Frisco

October has been officially designated as "Farmers' Month" at the Panama-Pacific International Exposition, not only because, generally speaking, that is the month most suitable and convenient for farmers to visit the celebration of the completion of the Panama canal, but because during October livestock shows will be held by the exposition at San Francisco that will be of peculiar interest and value to farmers.

These will be the shows of horses, mules, jacks and jennets, from September 30 to October 13, and of beef and dairy cattle from October 18 to November 1. Nearly \$125,000 has been appropriated for the horse show and an approximately equal amount for the cattle show.

During October, too, there will be a series of conventions at the exposition of special interest to farmers. Among them will be those of the California Draft Horse Breeders' association, the American Association of Importers and Breeders of Belgian Draft Horses; the American Shire Horse association; the California Conference of Boys' and Girls' Agricultural clubs; the Ayrshire Breeders' association; the American Galloway Breeders' association; the American Shorthorn Breeders' association; the American Aberdeen Angus association; the California Humane association; the Red Polled Cattle club; the Polled Durham Breeders' association, and the California Creamery Operators association.



Redeem Your Karo Syrup Labels—Karo Premium Offer

SEND us labels from 50c. worth of Karo (red or blue) and 85 cents and receive this Wonderful 10 1/2 inch Aluminum Griddle by prepaid parcels post. This griddle retails regularly at \$2.25. It cooks uniformly on entire baking surface. Needs no greasing, therefore does not smoke, is as light and bright as a new dollar, never rusts, easily kept clean, will not break and lasts a lifetime.

At great expense we are seeking to place a Karo Aluminum Griddle in the homes of all Karo users, so that Karo—the famous spread for griddle cakes and waffles—may be served on the most deliciously baked cakes that can be made.

Karo the Syrup Choice on Thousands of Farm Tables

THE woman who keeps the syrup pitcher filled knows better than anyone else how strong the men of her household are for Karo on the griddle cakes, hot biscuits, bread and waffles. She may not know how many thousand cans of Karo are used in her home state, but she does know how often her own Karo pitcher is emptied. The forehanded housewife buys Karo by the dozen and keeps it in the pantry ready for the daily filling of the syrup pitcher.

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More Than You Expect

When you examine and ride in an Allen you find more than you expect for the price.

THE ALLEN MOTOR CO., 410 Allen Bldg. FOSTORIA, OHIO
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SPECIFICATIONS
33-4 x 5" Allen-Sommer Motor; 37 H. P.; 4 cylinders cast on bloc; unit power plant; aluminum housings; Westinghouse electric starting and lighting system; full floating rear axle, pressed steel housings; 112 in. wheel base; 55 in. underslung rear springs; Firestone demountable rims with one extra; gas tank at rear; left hand drive; weight, 2300 lbs.

Columbian Metal Bins and Crib



Afford Perfect Storage For All Grains.
For wheat, oats, etc., and seed storage they are built with tight walls. For storing corn, kafir, etc., the walls are perforated with storm-proof perforations. These with regular ventilating system give double air circulation through grain. Make excellent all purpose bins. Most serviceable and practical bins to buy. Made of best quality galvanized metal or black metal with baked on coat of enamel. Sectional construction, easy to erect, portable, fire, and lightning proof.
500 Bu. Galv. \$71.66 1000 Bu. Galv. \$39.99
Delivered to your station. Handled by most dealers. Write for free circular and delivered prices on other sizes.
COLUMBIAN STEEL TANK COMPANY,
1622 W. 12th St., American's Largest Metal Bin and Silo Builders
Kansas City, Mo.

AWARDED GOLD MEDAL AT SAN FRANCISCO EXPOSITION

Head Your Kaffir

"The Little Wonder" Does the Work

Simplest and best header made. Does not chatter. No gears to wear out. No chains to clog in wet fields. No loose or working joints except to raise and lower.
Fastens to side of wagon. Easy sliding cut. One man can operate. Guaranteed to cut the heaviest corn and save the grain.
All Steel. Shipping weight 70 lbs. Price complete, \$18. F. O. B. Wichita. Address
THCS. H. SPARKS
2029 S. Santa Fe Ave. Wichita, Kan.

\$250 for Reliable Man or Woman; distribute 300 FREE plain Box Soap Powder with Soaps, etc., your town. No money required.
M. B. WARD CO., 218 Institute, Chicago.

Kodak Films Developed 10c

Film packs 20c. Post card prints, 4c; smaller sizes, 3c. GUY HALL, Lock Box 15, Chapman, Kan.

DOWN-Down Engine Smashed!!

Compare With Any Catalog—then send for our Big Free Engine Book.

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Leather in the Living Room

Good Designs Need Only Care in Making

BY LUCILE BERRY WOLF



Design for Oblong Table Mat. Made by E. E. Scheufler in a Class in Home Decoration at the Kansas Agricultural College.

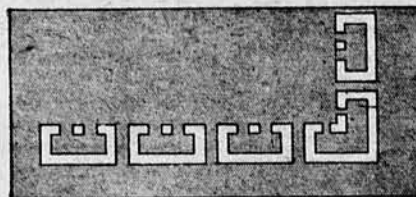
IN ALL the color schemes for furnishing the living room or library, no table runners or mats give better effects than do leather ones. They are unusual enough to give the impression of individuality. The more articles about a home that reflect original care and study, the more the home may be said to express the home builder. For a table in constant, hard use a white crocheted cover is as inappropriate as a dainty evening gown is on a crowded street. No matter how exquisite an article of house furnishing may be, if it is out of harmony with the spirit of the room it is abominable.

Leather work is well adapted for covering the surfaces of much used tables and stands. Leather mats cut in appropriate designs will not soil, wrinkle or tear. For backs of kodak books, for guest books, for magazine holders—all articles of home decoration—leather cut artistically is serviceable and distinctive. Leathers of many colors may be bought either by the skin, or by the square foot. The cost is 15 to 40 cents a square foot, the price varying with the different kinds of leather.

A good design is the first thing to seek. There are some essential points to consider in choosing a design. For mats that are to be used—and if a thing is not to be used, it has no place in a home—the design should be at the edge and not in the center where the

in all cases. The design for the circular mat was made from a drawing of a butterfly.

A sharp blade to cut with, and a piece of glass or tin to cut upon are

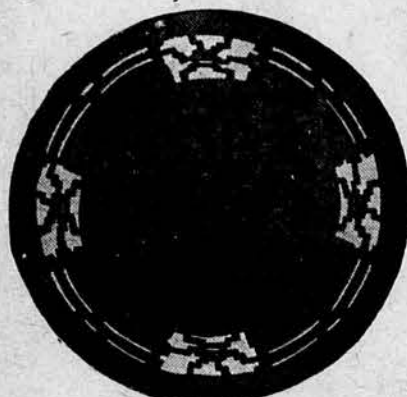


Corner of Magazine Cover.

needed for the work. The design you have chosen is traced on the back of the leather. Sometimes it is best to draw or stamp the design on stout paper, and cut it out with scissors first, making a stencil. Then the stencil is applied to the back of the leather and washed over with white water color. The leather is laid over the glass and the design is cut out with a sharp, small-bladed knife. An old safety razor blade is most satisfactory because of the sharp corners and thin steel.

When the design is cut out, the leather is lined with silk of a color which harmonizes with it. The silk may be placed under the entire mat, or just under the cut work. For brown leathers, burnt orange colored silk is best to use. It is overhanded on neatly around the edges; the stitches, of course, do not go through the leather. The color shows through the holes which have been cut, and the effect is charming. A pretty book cover was made of gray leather lined with vivid green.

For book backs, the leather is glued on the silk to keep the edges of the leather flat. Pasteboards lined with silk are used in book backs and magazine holders. A loose space is left between the leather and lining where the back of the magazine fits, so it may be tied into the holder. Cut leather is excellent for bags and purses, and is readily adapted to other uses.



Circular Table Mat.

wear will fall. The lines of the design should follow the general shape of the mat. If the mat is circular, the long lines of the design should curve parallel to the outside outline. For an oblong shaped mat, it is well to have the important lines of the design parallel to the straight edges. There should be unity of design, a certain hanging together of its parts that makes the loss of one part unpleasant. For leather work there must be no large flaps and points or long holes in the design. You can find appropriate designs if you watch for them. You can see a motif in a corner of a good rug, in a window curtain at the store, on the linoleum at the neighbor's, in the border of the parlor wall paper. You needn't reproduce the whole thing, you couldn't; but you can get one bit of design which repeated would make an excellent border for a leather piece. Some suitable designs may be found in embroidery magazines.

The designs shown in the illustrations were made by students in color and design at the Kansas Agricultural college under the direction of Miss Armina Holman. More than 250 girls studied color and design as applied to household problems during the spring term at Manhattan. Each one of these designs is original, and was made by conventionalizing a drawing. The girls drew a flower or a butterfly from life, then conventionalized the design, changing curved lines to straight ones in some cases, leaving out unimportant details

Belong To a Woman's Club?

TELL OTHERS ABOUT IT.

Twelve miles from town, in one of the central Kansas counties, is a women's club, organized last spring. Contrary to the custom of club women in town, the members of this club have met regularly all summer, Wednesday afternoon of every other week. There is a president and secretary. No year book of programs has been provided so far, but the work of the club is divided into several departments. The department of Domestic Science is in charge of one of the best books in the community. The department of Health and Hygiene is in charge of a graduate nurse, who now is settled in a home of her own. There is a department of Literature, and of Civics, and several others. Each chairman in her turn takes charge of a program. Not long ago the chairman of Health and Hygiene provided a "baby" afternoon, and in her program used material from bulletins issued by the Kansas state board of health, the Kansas division of child hygiene, and the United States Children's Bureau. Then there is time for very light refreshments, and everyone has a good time. After one of these meetings the members go home better mothers and better neighbors.

There are rural women's clubs all over Kansas, and the Farmers Mail and Breeze would like to know about them. Have you one in your neighborhood? What is its purpose? How are meetings conducted? Has it achieved any-

thing of especial importance for the community? Letters on this subject always are welcome. Just now the Farmers Mail and Breeze is especially eager for information. For the best letter received by October 25 on the subject of farm women's clubs a prize of \$1 in cash will be given. Second prize will be a two-piece silver deposit set of glassware. Third prize, a set of narcissus silver teaspoons. For all other letters used a subscription to the Household Magazine will be given. Address letters to the Woman's Editor.

Desserts for Company

Gelatin desserts make an acceptable substitute for ice creams and sherbets now that the weather is cooler. They may be prepared several hours or even a day before use, are dainty enough for company dinners or for evening refreshments, and are much more easily digested than pies or other pastries. In order to obtain the best results gelatin must never be boiled. Soften it in a little cold water, then dissolve in a little hot water or by setting the dish in hot water and dilute with cold water or fruit juices. This method requires less time for cooling than when all the water is added hot. When ice is used gelatin will set in one or two hours. In moderately cold weather it will set in six or eight hours without ice.

If one has several of the fancy molds that may be bought very cheaply these days, or even uses small cups, pretty effects may be had by molding the gelatin. Just before pouring in the gelatin pour cold water into the molds and drain but do not wipe them. At serving time run a sharp, thin knife around the edges of the mold, then set it in hot water for a few seconds. Lay a plate on top, invert, and the gelatin will slide out on the plate.

Prune jelly is a most delicious and wholesome dessert. To make it, soak 1 pound of prunes and stew in a quart of water till tender. Drain off the water and make a thick sirup by adding to it 1 pound of sugar and bringing it to a boil. Remove stones from the prunes, force the fruit through a colander and add to the hot sirup. Add this to 1/2 box of gelatin which has been softened in cold water and pour into wet molds. Serve cold with whipped cream.

Housewives who put up their own grape juice will find grape sponge a dainty and appetizing dessert. For the sponge soak 1/2 box of gelatin in 1/4 cup of cold water till soft, then dissolve in 1 cup of boiling water. Mix together 1 cup sugar, 3 tablespoons lemon juice and 1 cup grape juice and pour into the gelatin. When the gelatin is partly set beat with a stiff egg beater till light and spongy, then beat in the stiffly beaten whites of 3 eggs. Continue the beating till the mixture is stiff then pour into wet molds. Set the gelatin in cold water during the beating, or do the work in a cold place. Serve with whipped cream. Any other fruit juice or finely crushed fruit may be used.

Wide Awake Woman Best Mother

It is a duty we owe to ourselves and our families to read. Even the busiest of us can find time while baby is asleep or while we watch the dinner cook. A bright, wholesome novel is good, but an up to date magazine with its short stories and practical information is even better. May we never get beyond the enjoyment of a good love story. There will be times, too, when Tennyson's "Crossing the Bar," or a chapter from Longfellow's "Evangeline" will seem like the passing of a cool hand over a fevered brow.

Once I told a young friend who almost worships her mother that I scarcely understood how her mother did all the work for such a family and yet found so much time to read. "Well, we think mamma is quite a wonderful little woman," she said proudly, and then added, "but her housekeeping doesn't come up to the New England standard."

But suppose her housekeeping had come up to the New England standard, at the expense of the time she gave to reading with and to her children—would they have held her in as great esteem? Surely she chose the better part.

Next to a pure heart the chief jewel of this life is a cultivated and well stored mind. Yet I have heard intelligent mothers declare they hadn't the conscience to spare time to read.

Kansas. Martha Bell Fumey.

HOME DRESSMAKING

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

A baby's set of one-piece garments is shown in No. 7347. It includes dress, petticoat, coat, cap, sack, and bib. One size.

Skirt 7362 is in six sizes, 22 to 32 inches waist measure.



Dressing sack 7381 is in five sizes, 34 to 42 inches bust measure.

Dress 7359, consisting of a waist and a two-piece skirt, is for misses 14, 16, 18 and 20 years.

Boys' Suit 7392 is in sizes 2, 4, 6, and 8 years.

USE THIS COUPON FOR PATTERN ORDERS.

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

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

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

Name

Postoffice

State

R. F. D. or St. No.....

BE SURE TO GIVE NUMBER AND SIZE.

Farmers Believe in Flowers

The Kansas farmer is feeling very proud of his bins of grain and silos full of winter feed. While he has been caring for these crops the farmer's wife not only has done her share of the work but has given to many a farm yard the touch of beauty that helps to make it home. Two of the most beautiful flower yards in Hodgeman county are found at the homes of Mrs. Geo. Martin and Mrs. R. S. Polson. Mrs. Martin had in bloom at once this summer 50 varieties of flowers, of fine color and size. She has a bed of ever-bearing strawberries, and has been having strawberry shortcake this fall. This is one of the few such beds in the county. Mrs. Martin is the wife of Ex-Representative George Martin.

Mrs. Polson has a beautifully arranged bed of almost 100 varieties of flowers. Arranged in borders around the white clover lawn they are most attractive. She has just completed a small conservatory off her dining room, where she will have dozens of winter plants. Her display rivals that of a greenhouse.

Such gardens are a joy forever, an inspiration to everyone who sees them beautifying the farm yard.

Jetmore, Kan.

Reader.

**Girls on Kansas Farms Have Bank Accounts This Year.
The Boys Will Tell Their Story Soon**

Vacation Wasn't All Work.

[Prize Letter.]

I entered the garden contest in the spring. The prize is to be a Jersey calf. My garden is a rod square. I planted beans in two-thirds of it and lettuce and radishes in the rest. When they were gone I planted Kentucky Wonder beans and white corn there. I have worked 24½ hours in my garden and made \$5.50 out of it. I take books from the Coffeyville library. This summer I have read the "Little Colonel" books and many others. I like "The Boy Scouts of Berkshire" and "The

Egg Contests.

Mildred Irwin Jones, age 9 years.
R. 1, Hiawatha, Kan.

[Prize Letter.]

Give a Dinner Party, Please.

Anna Olson, age 10 years.
Elsmore, Kan.

[Prize Letter.]

I made \$30 this summer besides my spending money. The \$30 I paid for music lessons. I raised two little motherless pigs this year and one of them was mine. It was a registered Poland China and I sold it for \$20. I helped to care for the incubator chickens and

Monett, Mo. Bernice Wallen.

Ethel Brown, age 12.

R. 4, Burrton, Kan.

During the summer I spent most of my time raising chickens. I also canned string beans, corn and some fruit and made jelly all by myself. I am learning to cook and bake. Mother says my cakes and cookies and pie crust beat hers. I shall be glad to hear how the other girls made money this summer. I won \$9 in prizes at the Anthony fair for drawing. I took six first prizes, five second and three third. I can draw almost anything I see. I have a pet pigeon named Victor. It fell out of the nest when it was small and we raised it by hand. Sometimes Victor visits our neighbors and brings home notes tied around his neck. He comes right up to us when we call him by his name. I have 11 pineapple plants about a foot high. I cut the tops off pineapples we bought and planted them.

Bertha Bergman.

R. 1, Harper, Kan.

I spent my vacation learning to do useful things on the farm and helping with the housework and cooking. I rode the lead horse to cut 140 acres of grain and papa said if I learned to milk he would give me a calf. Sometimes I milked as many as five cows and helped separate the milk and sell the cream. Some days I cooked the meals all by myself and I learned to iron my own clothes and do other things that saved money even if I did not earn any directly. I kept up my music this summer and took part in two recitals. My teacher gives a good grade of music. One of my recital pieces was the sextette from "Lucia." I was 13 in July and expect to drive to high school this fall, a distance of four miles.

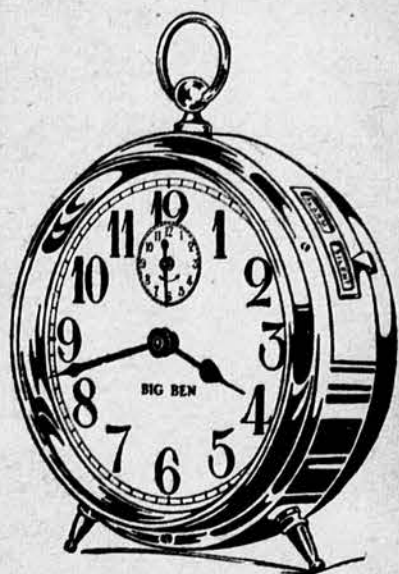
Juanita Lewis.

R. 4, Hiawatha, Kan

This summer I helped mamma with the chickens and guineas. I had three guineas and 150 chickens. I have one guinea I can pick up any place. A little black bantam reared it. I have three black bantams and two white ones. I helped mamma dig potatoes and work in the garden and washed dishes and swept. My sister and I drive to church every Sunday. A little boy in my Sunday school class was cut very badly on the foot by a mowing machine and all the children sent him post cards. The large girls had a club this summer. We all learned to crochet and tat. We served refreshments in the afternoon at 4 o'clock. We met every two weeks. At every meeting we took 1 cent. Then in August we had a picnic and bought ice and lemons with the club money for our dinner. Louise Goodrick.

R. 3, Paola, Kan.

The last quart of each milking is from three to four times as rich as the first quart.



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Makes a neat appearing and serviceable watch fob or can be worn on belt as ornament. Worn by men, women, boys and girls. The one real western novelty. Sold in big cities at a high price. Send loc to pay for 3-months trial subscription to our big home and family magazine and receive the COWBOY WATCH FOB and GUN free. Address, The Household, Dept. Fob-272, Toronto, Can.

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Good Orchard Methods Pay

Doniphan County Growers Who Sprayed Got Good Yields

BY J. H. MERRILL

WHILE the fruit producing business in Doniphan and the surrounding counties of northeastern Kansas is not old, it has passed through all the stages of apple growing. The history of orcharding in this county may be divided into three periods. The first period is that in which the country was new and there were no orchard pests; in the second period these pests appeared but nothing was done to control them, and it is only in the third period that efforts at control were made.

During the first period, there were no large commercial orchards, yet nearly every farmer had a few apple trees which produced enough for his use. The next step came when one or two men, more venturesome than their neighbors, did set out large orchards. The owners of these orchards were well paid for their investment. The result of their success was that there were many large orchards planted. During the first period, owing to the absence of orchard pests, good fruit was raised. Orchard then was simply a question of planting out the trees and, in due course of time, harvesting the crop. If the yield was heavy it was looked upon as pure gain, while if there was a crop failure, no feeling of loss was experienced, as no expense had been incurred in handling the orchard. Even though good apples could be grown, the orchard was at first considered distinctly a side issue.

The largely increased area of orchard planting was one of the direct causes in bringing about the second or pest period. Hitherto, when the orchards were few and isolated, there was but little opportunity for pests to spread from one orchard to another, but as the size and number of orchards increased, the opportunity for spreading was made possible. As the orchards grew older, the pests within it, which at first were so few as to cause no apparent trouble, later began to multiply, and increased to such an extent that the damage they caused annually became disastrous to fruit growing. Some of these pests were not even in this country during the first period, but have since become introduced; the San Jose scale is an example of this.

Buyers Know Good Fruit.

While the pests were gaining their foothold, the public was becoming educated in the matter of selecting fruit. Inferior apples could no longer compete in the market with the high class fruit. Each succeeding spring would find the trees in full bloom, but a very small percentage ever reached maturity, and the result was that one crop failure followed another with discouraging regularity. It finally became evident that the land now in orchards could be more profitably devoted to raising other crops, consequently, hundreds of acres of orchard in Kansas were cut out. In making a land sale an orchard was considered an incumbrance, and the cost of its removal was often deducted from the selling price.

The third period commences at a rather recent date. The department of entomology of the Kansas State Agricultural college first began work in Doniphan county upon the discovery of San Jose scale at Wathena.

While there is in Kansas a state law making spraying for scale compulsory, better results can be obtained by awakening an interest in orcharding in general. This department has had this object in view in its work in Doniphan county. The crusade, as it might well be called, to arouse an interest in good orcharding has not always been an easy or a pleasant one. At first it met with a stone wall of skepticism, but finally a few orchardists were persuaded to practice modern methods. Their results were most satisfactory, and they became thoroughly convinced of the value and necessity of spraying. These few were followed by many, until now there is hardly a person in that county who does not believe in spraying.

Pruning Is Necessary.

The man who sprayed his orchard raised better apples than his neighbor who did not spray, but even he realized that spraying was only one of many problems which concern orcharding. The next natural step was pruning. These old orchards had seldom, if ever, been pruned. In fact, pruning was considered by many as almost a heresy. After pruning, other orchard problems were taken up and dealt with as live issues. During the winter of 1912, the Doniphan County Horticultural society was organized for the purpose of bringing the growers together, that they might discuss the present as well as future problems of growing better fruit.

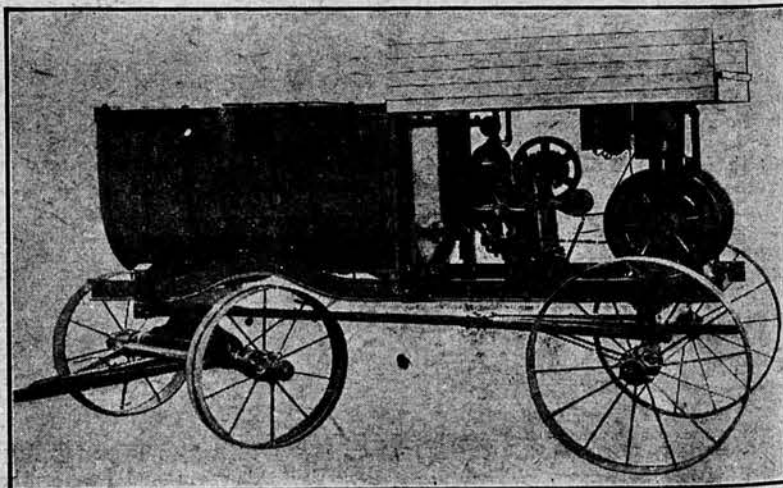
Thus it will be seen that the orchard, which was at first considered a side issue, then later as an incumbrance, has finally come to be the best paying land on the farm.

In the first period good apples were raised, in the second, although the trees bloomed heavily enough, the orchard pests prevented good yields, and in the third period apples were again produced in paying quantities. During all three of these periods, nature had done its share of the work, and all that it asked was for man to do his.

The orchard pests have proved themselves to be a blessing rather than a curse. So long as one could plant the orchard and reap the harvest, the idea never occurred to the grower that his orchard needed any care whatever, but when the presence of the pests forced him to purchase spraying outfits and spray materials, he then began to think about making that orchard return all the money possible. A well pruned tree will not use up so much spray material—dead limbs need not be sprayed at all.

When a grower came to prune his trees, he noticed for the first time the presence of canker, and set about remedying this. It was also noticed that some trees were not making the growth that others were. Upon investigating this trouble, he learned how to feed his ill-nourished trees. These are but a few instances of the good that orchard pests have done for fruit growers. They made the fruit grower acquainted with his own orchard, taught him to consider its possibilities as a paying proposition, and to realize that it was something more than a collection of trees.

Are the plow lays ready for work?



A Good Power Sprayer Is Needed in Every Orchard to Aid in the Fight Against the Insects and Diseases.

Farm Agents Bring Results

Demonstrations in Better and More Profitable Farming Pay Well

BY EDWARD C. JOHNSON

THAT the demonstration movement through farm bureaus and agricultural agents is bringing results both numerous and striking is appreciated by everyone in close contact with demonstration work. These results cannot easily be expressed in dollars and cents. We might just as well try to give an estimate of the financial value of schools and churches.

Even if we leave all monetary estimates out of consideration, the results are very noticeable and often striking. As an example, a farm bureau in Leavenworth county, which has been in existence for two years, has waged an educational campaign relative to the life history and the methods of control for the Hessian fly. After the first year's campaign only about 10 per cent of the farmers observed the best known methods of wheat culture for preventing the ravages of the Hessian fly. After the second year's campaign 70 per cent of the wheat acreage in that county was handled according to the suggestions given in the campaign, while this year 90 per cent of the crop will be so handled. The difference in the general information concerning the insect and its habits of life between this county and adjoining counties where no farm bureaus and no county agents have been at work is sufficiently clear to be a striking evidence of what such educational campaigns can accomplish.

Educational Campaigns.

In counties in southeast Kansas, campaigns for the promotion of alfalfa growing have been pushed, and correct methods of draining, liming, inoculating, and preparing the seedbed have been shown. In these counties where two years ago few, if any, alfalfa fields were to be found, small fields of alfalfa successfully grown may be seen here and there as demonstrations of what can be done and as forerunners of a large alfalfa acreage to come. The educational campaign on alfalfa in these counties has been successful, and the best methods of alfalfa growing known will soon be common knowledge. The results have been so quietly accomplished that few will recognize that the alfalfa is there as a result of the propaganda of the farm bureau and the agricultural agents. A third striking instance of demonstration work was the grasshopper prevention campaigns in western Kansas in 1913. The district agricultural agent for southwest Kansas convinced the county commissioners of one county that the ravages of this pest could be stopped with the use of poisoned bran mash prepared and distributed according to the directions of Prof. G. A. Dean of the Kansas Agricultural college. The commissioners decided to use some of the county funds to buy this poison, and to invite the farmers on a certain day to come for it to the nearest town and to distribute it over their farms. On the appointed day, hundreds of farmers were present with their teams, and they hauled the poisoned bran mixture home and used it on their fields. Grasshoppers by the millions perished and their devastating sojourn in that county came to a close. As a result of this demonstration, eleven other western Kansas counties did likewise, and an unequalled lesson in co-operative insect control was learned by thousands of farmers.

What Was Done.

The results of the aggressive silo campaigns conducted by every agent need but be looked into to be appreciated. During 1913 on the basis of actual figures obtained from the agricultural agents, 216 above ground silos were constructed as a direct result of their activities, and a little more than 300 pit silos were similarly constructed in western Kansas. Since then the pit silo idea has spread with wonderful rapidity over the prairie from New Mexico to the Dakotas, and thousands of pit silos have been constructed. It is now no longer necessary to argue for the construction of a pit silo, but rather to give suggestions concerning the best methods of constructing them, and how to feed silage.

The definite results here mentioned are more or less spectacular. They are

no more fundamental than the more inconspicuous results, such as the general educational work which is being accomplished by the demonstration meetings and campaigns of various kinds which are always in progress. Numerous instances of the results of such educational work are evident in every county having a farm bureau and every district where an efficient agricultural agent is employed.

Wonderful Jewell County

Purebred Holstein and Hereford cattle; Shropshire sheep, and purebred Percheron horses; power appliances for saving labor in house work; a model garage; a model dairy barn; a Ferris wheel for a grain binder to save wheat on wet ground; a garden with more than 150 varieties of crops; corn and sorghum variety tests; catapas set out to protect an orchard; Broome grass growing successfully; a beautiful country cemetery; a modern township high school; a poultry farm completely cleaned weekly; a steam pressure canner in operation—these were some of the things seen by 210 farmers and others who made a demonstration tour of Jewell county under the guidance of A. D. Folker of Mankato, county agent. Mr. Folker has just reported the trip to the extension division of the college.

The trip started at Jewell City at 8 o'clock in the morning. Forty-two cars filled with 210 men and women made the tour. More than three-fourths of the crowd were country people. A number of additional persons joined for visits at a few farms. Eight stops were made, and at each of them there were

"In reorganizing the force of officers and employees, retain the efficient and faithful, regardless of politics. Weed out completely and absolutely the unworthy and inefficient, the liquor drinkers and the trouble-makers. There can be no toleration of loafers, boozers, breeders of discontent, or of political hangers-on and mischief-makers, if good results are to be attained. We must sweep cheap politics out of the prison forever. In filling vacancies in the force, the warden and board, aided by the civil service commission, should now be able to command and hold men of first-class ability."—From Governor Capper's Letter to the Board of Corrections, Which Under the Law is Responsible for the Conduct of the State Penitentiary and the State Reformatory Found in a Demoralized Condition by the Recent Investigating Committee.

inspection and talks, or informal discussions. About 70 miles was covered, and the demonstration tour ended at 5 o'clock. At the close of the trip, Mr. Folker made a brief summary of the day's demonstration, pointing out some two dozen definite things that had been viewed for the purpose of obtaining specific suggestions. Mr. Folker plans other trips this fall, and it is possible that a similar plan will be carried out by farm bureaus in other counties.

A two-week series of 36 farm meetings has just been completed by Charles H. Taylor, agent in Atchison county. These meetings were held on farms in the county on which something important might be viewed. At each meeting in the day, a different type of farming was inspected and the different subjects for discussion were so arranged that no subject was taken up that had previously been discussed at a meeting within 5 miles of the place. Among the subjects treated were the orchard, hogs, horses, corn, wheat, weeds, hog cholera, tuberculosis, principles of breeding, silos and silage, alfalfa, concrete, chickens, the Hessian fly, tractors, Sweet clover, Sudan grass, and tile drains. Mr. Taylor traveled 388 miles and talked to 548 persons.

Don't worry. It's the devil's own job. Leave it to him!

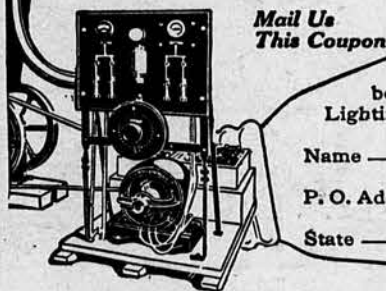


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32x3	6.40	6.90	2.10	38x4	13.45	14.45	4.15
30x3 1/2	7.45	7.95	2.30	38x4 1/2	13.85	14.85	4.25
31x3 1/2	7.85	8.30	2.35	36x4 1/2	16.25	17.25	4.35
32x3 1/2	7.95	8.50	2.40	37x4 1/2	16.70	17.75	4.45
34x3 1/2	8.50	8.95	2.55	35x5	17.05	18.25	5.00
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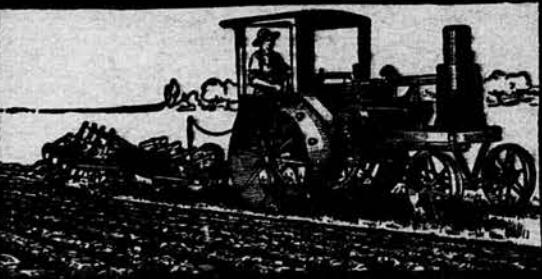


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When Opportunity Knocked

A Story of One Wide Awake Farm Boy

BY MAMIE M. PARTRIDGE.

HUGH ALLEN sat before the kitchen fire of his home, staring into the bright coals through the grinning grate.

Dejection was written all over his countenance and showed in the droop of his body. Now and then he frowned over the mental problem he was trying to solve, and dug his heels into the floor, while one hand nervously fingered the knife buried deep in his overalls pocket.

"Domestic Science!" he said to himself; then his eyes roved over the neat kitchen. Fresh curtains, table with white cloth, and three plates set for the morning meal; immaculately clean floor, shining pans and kettles greeted his eyes as he let them rest on the various articles in view.

"Mother never had domestic science," he continued, "but maybe it would have made her lot easier if she had."

He tiptoed to the door of his parents' sleeping room and listened to their breathing.

"Too tired to wait up for the evening mail. It takes a pretty late train to put them to bed before reading their favorite farm papers." He smiled as he thought of their talks over this and that excellent idea, and of how often they rehearsed the fine points that were brought up at this or that Farmers' Institute.

"Well," he added, "it was those institutes that got Grace excited and took her down to the Agricultural college for the special course in Domestic Science. She is excited yet, I should think by the tone of her letter. I guess there is not much excitement left for me in this old neighborhood, with her gone. Great Scott! How will I ever get through the winter!" and the frown again settled on his brow as he pulled off his shoes and went to bed.

On coming in from doing the chores the following morning he found his parents waiting breakfast for him.

"You found your mail, did you, father?" he asked pleasantly.

"Yes, Hugh, it is all here. That train must have been two hours late."

"Any letters, Hugh?" asked Mrs. Allen.

"None for you, mother."

"How does Grace like domestic science?" she asked, smiling.

"She is raving about it. Says it's even more interesting than she expected. She says there are hundreds of young folks there taking special courses and she is glad she went even if it will take all of her last year's savings. I reckon I'll look pretty common to her when she gets back, after being polished up and mixing with that crowd."

"I wish you had a better chance, Hugh. It seems as if your mother and I have always worked hard, and still we never have seemed to get ahead very well. We didn't know how to make our work count. Young folks have advantages now that never were offered to us. The papers are full of good things, but it is hard to get old folks out of the rut. We had hoped to give you a better chance, but we don't see how to do it just yet."

"You have given me the best the district affords, father. Here I am twenty years old and a graduate of the county schools. I own my own team and wagon, and a cow and calf, and I am going to farm the whole place alone next year and be my own boss. Then I am going to marry Grace, and after that she will be the boss, I expect," he ended, laughingly.

Just then the telephone rang, and he turned to answer it.

"Hello!"

"Yes, this is Hugh Allen."

"I can come in this forenoon."

"All right, I'll be there in about an hour. Goodbye."

"How is that, Hugh?" asked his father

as he hung up the receiver.

"Mr. Porter, the banker, asked me to come in and see him."

"I wonder what he wants. Our note is very small now, and it is not due till after harvest anyway."

"I don't know what he wants, father, but I will be back for dinner. Then we will all know. Anything wanted from town?"

In a short time Hugh was ushered into the banker's private room and courteously requested to be seated a moment till Mr. Porter should be at leisure to see him.

Hugh's mind was busy. He was unused to business and a trifle confused at this summons. Presently Mr. Porter entered briskly with an extended hand and pleasant greeting.

"How do you do, sir," said Hugh, rising.

"I hear, Mr. Allen, that you intend to farm your father's place next year."

"Yes, sir."

"Do you intend to follow farming as an occupation?"

"Yes, sir."

"Do you know the business?"

"I have always worked on the farm, sir."

"Do you like your father's methods?"

"He was saying this morning he would like to adopt the new methods advocated by the papers and the farmers' institutes, but it seemed he was in a rut. It's hard for old folks to change their ways of doing."

"Mr. Allen, would you be interested in learning more about your business?"

"I certainly would."

"Why don't you take the Farmers' Short Course in the Agricultural college?"

"I do not have the necessary funds, sir. I do not want to part with my team or cow, as I will need them in the spring."

"Now we are getting down to business!" said Mr. Porter. "I have sent for you because I have been watching you, and I believe in you. I notice you attend the meetings in the community held by the up to date farmers. I have been receiving literature from the college, urging me to stake rising young farmers who wish to take a short course, and I believe it is a good idea. The ideas that you will bring home and demonstrate will be of service to the whole community, and we will all gain by it. You can settle with me at your leisure, and I am sure that will be after your first harvest. When can you start?"

Hugh rose and held out his hand.

"Mr. Porter, I've been having a battle in my own mind over this same subject, but I haven't seen my way clear to do it. I thank you for your offer, which I'll accept. But most of all, I thank you for your believing in me. You shall not be disappointed. I'll go Saturday, so I can start in Monday."

Hugh hurried home. "Grace won't get ahead of me, now," he thought.

"I am going to leave you tomorrow," he told his father and mother at noon.

"How is that, Hugh?" came simultaneously from both.

"I'm going to take the Farmers' Short Course at the Agricultural college; then I'll have some new methods to begin on in the spring. Mr. Porter offered to stake me, and I can pay him when I'm ready. And, mother, he said he believed in me." Hugh's lip quivered.

Mrs. Allen smiled into the manly, open face of her son, and said:

"Yes, Hugh, I think you will get along famously with Mr. Porter, and your father and mother, and Grace, all believing in you."

"Farming Science and Domestic Science ought to make a good pulling team, with such an alliance of encouragement behind it. Grace and I will both be polished up now, and when we come home we will be in shape to run this 'farm and fireside,' in a scientific manner. Hurrah for young America!"



Picking the Large Producer

Second Article in Series on Judging Dairy Cattle

BY GILBERT GUSLER
Ohio State University



An Example of the Best in Holstein-Friesians. Great Capacity in Barrel and Udder Combined in an Attractive Symmetrical Way.

AS the economical production of milk or butter fat is the fundamental feature in all dairying, the primary aim in judging dairy cows is to estimate the ability of the cow to produce.

To be a large economical producer, she must possess strength in the various parts of her makeup which have a share in the process by which material from the grain bin, hay mow, silo, or pasture are converted into milk. These parts are the digestive system, which gathers and prepares the feed for entrance to the blood stream; the circulatory system, which distributes these nutrients; the respiratory system, which purifies the blood; the udder, wherein nutrients brought in the blood are made into milk; and finally the nervous system which regulates, controls, and stimulates the organs engaged in the various processes to their utmost effort. External evidences of great strength and activity in these various systems constitute the most essential physical requirements of a worthy dairy cow.

But there are other requirements to be met before she is entirely satisfactory. Important difference in the value of two cows, equal in ability to produce milk, may occur, because of difference in manageability, in ease of milking, or of keeping the udder clean and sound. The dairy cow may be considered as simply a means of converting feed into milk, as a factory or a machine, yet this machine is peculiar in that it is self-reproducing. Since these machines are self-replacing, they will determine whether desirable qualities will characterize the generations of cattle to come. There will also be differences in the ease and regularity with which this reproductive function is carried on. Accordingly, such features as symmetry and attractiveness of form, refinement

of frame, femininity, and proper rump conformation assume importance.

These two phases then are to be kept in mind; first, the cow's value as an economical producer, and second, her value as a mother. Although the second is largely dependent on the first it is not entirely so. The score card, which briefly describes the ideal cow, combines these two features and requirements not related to one may be considered indicative of value in the other. The two are not antagonistic and improvement in both can be accomplished simultaneously.

No points are assigned to size or weight on the score card, but it is a feature of some importance in passing judgment. Breeds differ in size of frame but within any breed the possession of greater size is always in a cow's favor, other things being equal. Production should be in proportion to size, and most of the cows holding records for very large production are of large size. Nevertheless some small cows have decidedly creditable records. In comparing animals, the relative size of their chests, barrels, and udders will be influenced by their total size.

A dairy cow's chief merit lies in the amount of butterfat she produces. Abundance of skin secretions which make the skin oily and unctuous may be considered of some importance, since it is likely to be correlated with ability to secrete in the udder.

The neck of the dairy cow is long, slim, and flat. The top line is slightly curved. A clean throat and slight dewlap are characteristics of dairy type. The neck is neatly joined to the shoulder, and is carried in an elegant way. A short, thick neck denotes either a lack of femininity or the presence of the wasteful tendency to put fat on the body.



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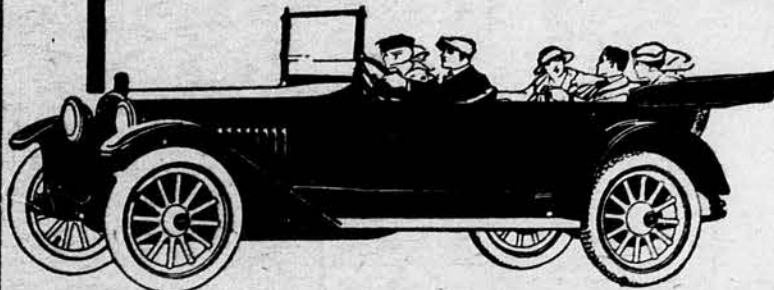
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Safety in the Farm Well

Clean Drinking Water Is a Big Help Toward Good Health

BY CHARLES H. LERRIGO, M. D.

I KNEW Mary Ellen Page had been to the picture show, for the slow moving procession that empties from the hall where it has watched the fast moving pictures trails past my office every afternoon toward 5 o'clock, and I had noticed Mary Ellen in the line. I am not of those who think it crime if a farmer's wife takes a little diversion, neither do I object to the pictures; but Mary Ellen's defensive reply to my charge showed that these facts were not within her knowledge.

"It was a very helpful picture," she asserted. "Far more likely to do good than a musty old magazine."

"The only person really beyond forgiveness, Mary Ellen, is the one who defends her pleasures on the ground of utility."

"I do nothing of the kind, Mister Doctor. I go to a picture show because I like to go. Just the same, this was very helpful, and I just wish you old doctors could do as much as the doctor in the picture."

"Something wonderful?" I jested.

"He was a doctor detective. A whole family had been poisoned and the well was under suspicion. He just dropped one drop—a single drop—on a little glass slide and shoved it under a microscope."

"All a bluff, Mary Ellen!"

"It was nothing of the kind. The very next picture gave the result. It showed—oh, everything!"

"Be a little more specific."

"Well, of course they couldn't stop to explain it all, but it showed poison all right."

"I suppose, to set it beyond doubt, they then showed a newspaper insert. 'Well Poisons Entire Family!' or something of that kind."

"You may joke if you wish, but since drinking water is so important and its examination so simple why can't our state board of health examine the water of every well once a year?"

"Perhaps they aren't as gifted as the picture doctor, and make more of a job of it. But it's only fair to say that our state board of health is always ready to analyze the water of a well likely to be injurious to health; and it will do it free of charge."

"Isn't it a simple enough proposition?"

"Not so simple as you may suppose. It isn't done by placing a drop on a slide and pushing it under a microscope. The analyst examines the specimen from several standpoints. He judges its appearance as to turbidity, sediment and color. He tests the odor. Water that has been stored in a reservoir may have a peculiar odor from the minute plant life which forms, and yet may be safe for drinking; but unusual odors are always suspicious. He examines the water hot and he examines it cold. He makes tests of its alkalinity, and chemical tests to see what it contains in the way of chlorin, nitrites or ammonia."

"I didn't suppose water contained ammonia."

"Good drinking water doesn't—not more than a trace, anyway. The presence of nitrites or ammonia indicates pollution. If the analyst finds them he then proceeds to examine for bacteria."

"It is then that he searches for the typhoid germ?"

"Not necessarily. The typhoid bacillus is difficult to detect and may disappear from the sample before it reaches the analyst. There is a surer way. A typhoid infected well will also be infected with the colon bacillus—the microbe that infests the intestines. This microbe is always present in water that is contaminated by sewage, and as it has characteristics that are readily recognized the analyst makes it the object



of his search. He knows that its presence in the water means that the well is polluted. If he then desires to search further for the typhoid bacillus he may do so."

"I'd like to have our well tested. Will the state board of health make such a test for any citizen?"

"If it is in the interest of health."

"Why, of course. Why else would anyone want an examination?"

"All manner of reasons. One fears there is too much iron in the water; another finds a peculiar taste; a farmer who wants to sell would like a certificate that his water is good; people who take boarders want to advertise that the state board of health has examined their drinking water and found it free from all impurities and whiter

than snow. The board balks a little on these. If there is any suspicion of polluted water they are glad to make examination. The best way is to write to them and they will send full instructions about forwarding samples."

"Why so particular?"

"It is extremely important that samples shall be absolutely free from secondary contamination. The containers must be sterile and also the stoppers, and the water must be a representative sample with no added contamination in bottling it. Suppose, for instance, that a sample of water is dipped out of a well by a farmer who has just been running a manure spreader; his hands may supply the contamination which will condemn a good water supply. If a microscopical examination is to be of value all the conditions must be absolutely sound."

"It isn't so easy to be sure your well isn't poisoned, after all," sighed Mary Ellen.

"The easiest way is to be sure that your well is constructed on sound principles. It must be of a safe depth—say 18 feet. It must be located on high ground, always above the grade of hog pens, barnyards, and the family out-house. It must have a tight wall to keep small animals from burrowing, and the wall must come a foot above the ground to prevent surface contamination. It must have a cover of cement or of tongue-and-groove flooring, the

only opening being one that fits snugly around the pump and is protected by tin flashing. You need have no fear of poisoned water with such a well."

"But that means a terrible lot of trouble!" said Mary Ellen. "I believe I'd rather have the water examined every year."

The Great Missouri River

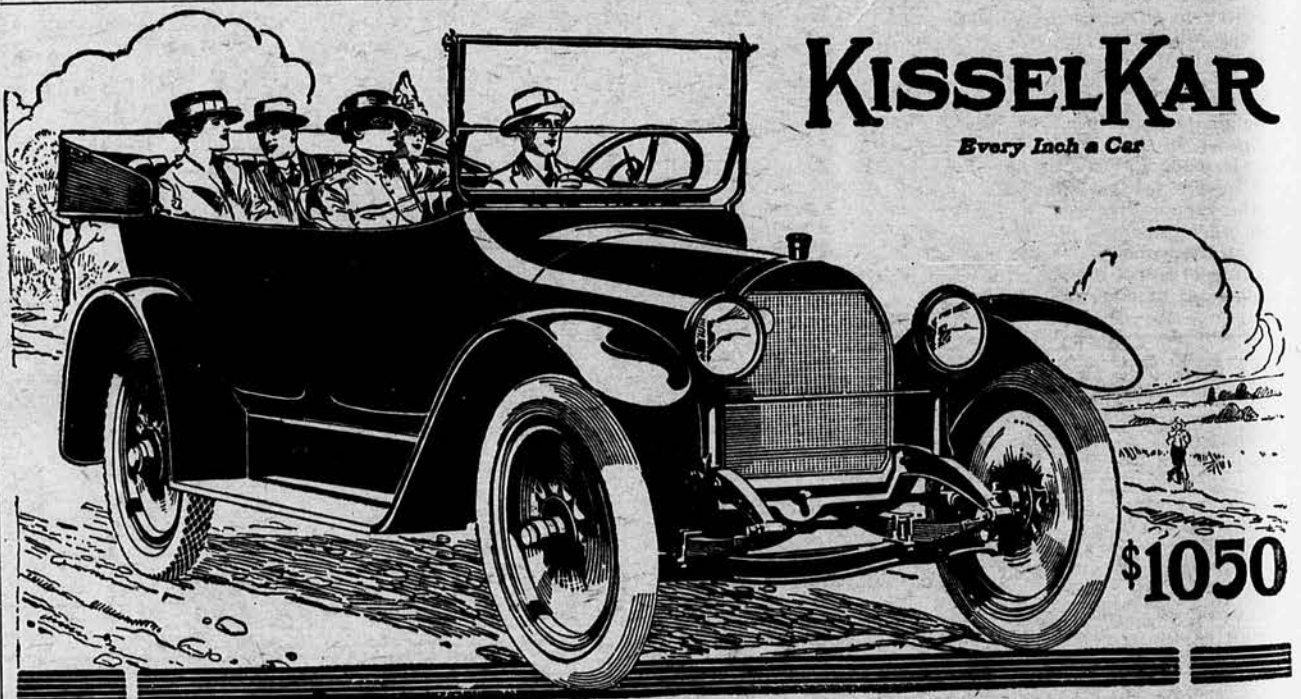
The Missouri is one of the great rivers of the United States. Its total length is about 2,400 miles, and that part above the crossing of the Northern Pacific has a length of about 1,160 miles. The total area drained by this river is 527,155 square miles, a territory as great as that embraced in the states of New Jersey, Pennsylvania, Ohio, Delaware, Maryland, Virginia, West Virginia, Kentucky, North Carolina, Tennessee, South Carolina, Georgia, Alabama and Mississippi.—(Northern Pacific Guidebook, Bulletin 611, U. S. Geological Survey.)

With the Lisp

"Now, Helen," said the teacher, "can you tell me what a myth is?"

"Yeth, ma'am," lisped Helen, "It ith a woman that hath not got a huth-band."

Take an occasional sniff at the meat peddler's wagon. If it's not clean and sweet smelling how can the meat he brings be entirely good?



Don't buy a "one year car"

THERE are a good many "one year cars" on the market—cars that haven't the stuff in them to stand hard service very long. Such cars are made to sell at a low price—to people that don't stop to figure that the actual expense of owning a car must be based upon its running cost per mile—during its whole life. For \$1050 you can buy a KisselKar—the same car mechanically that in the hands of hundreds of owners has passed its one hundred thousandth mile of service.

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Plan a "Hen Day" for Kansas

Try to Make Kansas the Leading Poultry State

BY RALPH SEARLE
Topeka, Kan.

MEMBERS of the Kansas State Poultry Federation believe that Kansas is potentially the greatest poultry state in the Union. They argue that inasmuch as Kansas already is the leading wheat state in the Union, and as wheat is the best of all poultry foods, and since the climatic conditions which are best for wheat are best for poultry, it naturally follows that the poultry industry should reach its highest degree of development in the "Sunflower state."

Those who have studied the situation carefully, say all that is required in order to bring about this highly desirable end is to organize the poultry raisers of the state so that a systematic educational campaign may be carried on, and a universal interest aroused in the cause of "better poultry and more of it." This task the federation is ready to undertake, and hopes to carry to a successful completion.

The first gun of the proposed campaign will be fired Saturday, October 30 and the day is to be known as "Kansas Hen Day." On that day the poultry raisers of each community are asked to meet for the purpose of forming a poultry club, and of discussing ways and means of improving the poultry industry locally. Later, county organizations will be perfected. It is hoped that at least one poultry show and institute will be held in every county in the state this winter. The federation, through its state organizer, will be glad to assist in forming local and county associations, and will offer silver cups and medals at the shows co-operating in the proposed campaign.

In order to supply the "sinews of war", and at the same time build up a strong, working organization, the federation will conduct a membership contest during

the month of October. The contest will close at 6 o'clock the afternoon of Kansas Hen Day, and the person who gets the most new members during the contest will be presented with a beautiful silver loving cup. Each of the first 20 members of the federation who get three or more new members, will receive one of the beautiful new gold and enamel federation pins. The names of the winners will be published in Poultry Culture, the official organ of the federation.

Even from a selfish standpoint, there are sound reasons why every poultry raiser in the state should belong to the Kansas State Poultry federation. Each member has his name, address, and variety bred, published in the annual year book and premium list. This in itself has an advertising value worth many times the annual membership fee of 50 cents. The federation actively co-operates with each member in disposing of surplus stock. Then there is the satisfaction which must come to any live poultry enthusiast in working for the advancement of the poultry industry through an organization which is not only chartered by the state and recognized by the American Poultry association as the official state organization, but which is wide-awake and progressive, state-wide, and founded on truly democratic principles.

More Colt Shows Are Needed

BY W. L. BLIZZARD.

The horse breeding industry in this country deserves more attention than it is getting, and there is no better way to get that attention and interest than through colt shows. We must replace the small farm horses by big drafters. If we could do this we would more than double the value of the horses in this country.

If horse and colt shows were more common a great interest in good horses would rapidly develop all over the

And Still She Cackles

Through all the ages the hen has been the synonym of progress and civilization. History tells us that she cackled her sympathy to the mighty Alexander as he wept for more world's to conquer; that she crossed the Alps with Caesar and his victorious cohorts. We know that she landed on Plymouth Rock with the Pilgrim Fathers three hundred years ago. We know that she ever accompanied the hardy pioneer on his westward march, daily supplying him with the choicest morsel on Nature's menu. With him she settled on the plains of sunny Kansas, keeping the wolf of want from the door through scourges of hot winds and grasshoppers. And when her allotted time had come, her body gave him strength to turn the pathless prairies into fields of golden grain, while at night he pillowed his tired head upon her feathers. Today her myriad sons and daughters form one of the greatest industries of a great state, adding to the wealth of her citizenship more than 30 millions of dollars a year.

It seems fitting, then, that a day should be set apart and designated as "Kansas Hen Day", that the attention of our people may be called to the importance and magnitude of the poultry industry, and to ways and means in which it may be still further improved. The Kansas State Poultry federation, an organization whose sole aim is to make Kansas the greatest poultry state in the Union, asks that Saturday, October 30, 1915, be so designated, and that on that day local poultry clubs be formed in every city, town, and village where they do not already exist. To this end volunteers are called for, men and women in every community who are willing to assist in this important work, in the interest of better poultry and more of it. A model constitution for local poultry clubs, and every possible assistance in making "Kansas Hen Day" a success in every community, are yours for the asking. Address, Ralph Searle, chairman, "Hen Day Committee", Kansas State Poultry federation, Topeka, Kansas.

"Never take what you can't get." This was Matt Quay's famous rule for political honesty. The Kansas receivers in the gas case greatly improved on this rule of action. They not only took all they could get out of the gas company—they took much more than they could get by simply making the people of Kansas dig up more than the treasury of this bankrupt corporation was able to supply them. A better and a safer way of robbing the public has never been discovered than the receivership graft, especially this last demonstration of it.


country, as there is nothing that will create more interest and enthusiasm among farmers and breeders than a good horse and colt show.

A colt show means more than merely bringing colts to a common meeting place—it necessarily brings the farmers and breeders together, thus promoting sociability; it brings the business man of the town in closer touch with the farmers and makes their interests mutual. Co-operation on the part of the farmers and the city business men means much to their future prosperity. The colt show, free from the side attractions of the ordinary county and state fairs, comes close to the horse, as it is a medium for sociability, for the exchange of ideas, and as almost every man, woman and child is a lover of good horses, the colt show is the ideal place to "talk horse," and to create in the minds of the boys of the community an interest in good horses. An interest created in this way is sure to bring good returns—results that will be shown in a community by the improvement of the quality of the colts from year to year. The colt show is a big factor in leading to the improvement of the horses in a community and does a great deal to create a desire on the part of the breeder to raise one type.

Anchor the silo, be it new or old!

Help Your Hens Moult. Tone Them Up

GILBERT HESS
M. D., D. V. S.



The quicker you get your hens over moulting, the sooner they will get on the job laying eggs. Moulting saps a hen's strength; to force out the old quills and grow new feathers needs lots of energy. Help your hens along with a tonic. In Dr. Hess Poultry Pan-a-ce-a you have a scientific preparation that puts vigor and health into your flock—it will aid their digestion, build them up, give your hens the vitality to ensure quick feather growth, tone up the dormant egg organs and help them lay.

Dr. Hess Poultry Pan-a-ce-a
A Tonic—Not a Stimulant
Formula printed on every package

My Pan-a-ce-a contains tonics, blood builders and internal antiseptics; it is formulated after a prescription of mine which has had a successful record for 22 years. In this prescription I have combined scientific knowledge with poultry culture; behind it is my long experience as a veterinarian, doctor of medicine and successful poultry raiser.

My Pan-a-ce-a is easy to feed—put it in the mash wet or dry. Pan-a-ce-a is sold by a reliable dealer right in your home town whom you know. Read my guarantee.

My new Poultry Book tells all about Pan-a-ce-a. It's free. 1 1/2 lbs. 25c; 5 lbs. 60c; 25-lb. pall \$2.50 (except in Canada and the far West). Pan-a-ce-a costs only 1c per day for thirty fowl.

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It's almost a certainty that your hogs are wormy right now. I guarantee that my Stock Tonic will positively rid your swine of worms, tone them up and help them put on fat. I advise you also to feed my Stock Tonic to your horses, sheep and cattle as they go from pasture to dry feed. It will keep them in fettle, enrich their blood, keep the bowels regular and is a splendid aid to digestion. But especially as a hog worm expeller it will pay you to feed my Stock Tonic now and all winter. 25-lb. pall \$1.50; 100-lb. sack \$5.00. Smaller packages as low as 50c (except in Canada and the far West and the South). Why pay the peddler twice my prices?

Dr. Hess Instant Louse Killer
Kills lice on poultry and all farm stock. Dust the hens and chicks with it, sprinkle it on the roosts, in the cracks, or keep it in the dust bath, the hens will distribute it. Also destroys bugs on cucumbers, squash and melon vines, cabbage worms, etc., slugs on rose bushes, etc. Comes in handy, sitting-top cans, 1 lb. 50c; 5 lbs. 60c (except in Canada and the far West). I guarantee it.

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Production Costs of Hogs

Very interesting data concerning the cost of wintering brood sows and the cost of growing and fattening pigs are given in Nebraska Agricultural Experiment Station Bulletin 147, which is a report of the North Platte Substation.

By using a large amount of alfalfa hay with a limited amount of grain the net cost of wintering old brood sows is kept at the low figure of \$1.25 each without allowing the sow to become too thin for the best results in raising litters. On a ration containing from one-fourth to one-third alfalfa hay, young brood sows are carried from the pasture fields to the farrowing pens at a small profit and in suitable condition for farrowing and raising fair litters.

The average number of pigs a litter raised from old sows during a period of four years was 6.55, at a cost of \$2.11 a pig weighing 50 pounds. The average number of pigs raised by young brood sows during a like period was 6.2, at a cost of \$1.68 a pig weighing 50 pounds. The fall pig was grown to the weight of 50 pounds as cheaply as the spring pig.

When grazing on alfalfa pasture pigs receiving 2.5 pounds of grain for each 100 pounds of their weight daily have gained 0.75 pound each day. The rate of gain on alfalfa pasture bore a close relation to the amount of grain fed.

The most suitable supplementary feed to corn for fattening hogs seems to depend on several variable factors. Oil meal, cold pressed cottonseed cake, and tankage rank close together in the profits secured in nearly all tests. In some tests these by-products give faster gains and more profit than corn and alfalfa, and in other tests the reverse is true. The physical condition of the hogs as influenced by weather and other factors seems to determine whether alfalfa hay or such a by-product as those just mentioned is the most profitable to feed with corn for fattening hogs.

Ground wheat either soaked or moistened gives faster gains with less grain for 100 pounds of gain than corn, but corn gave faster gains with less grain for 100 pounds of gain than whole wheat either soaked or dry. Soaking wheat increased its feeding value only slightly, but grinding the wheat increased its feeding value about one-fifth.

For growing pigs on alfalfa pasture and fattening them when having access to alfalfa hay, a grain ration of corn proved more efficient than a grain ration of two parts corn and one part shorts.

Experiments in cooking alfalfa hay for hogs indicate that the feeding value of the alfalfa may have been increased slightly by the cooking, but not sufficiently to offset the extra cost.

The summary indicates among other items that with corn valued at 60 cents a bushel the cost of feed alone for producing a pound of pork is about 5 cents.

Sheep Have "Grub in the Head"

My sheep cough, and run at the nose, and then mope around until they die. I have lost about 25. They have plenty of good pasture. Can you tell me what is wrong, and give a remedy?

Montgomery County, Kansas. S. C. P.

Your sheep are affected with the condition ordinarily spoken of as "grub in the head." This is caused by the presence of the larval form of a fly in the animal's nose and in the cavities in the head communicating with the nose. The flies deposit their eggs on the animal's nostril in the spring and summer. This passes upward and finally hatches out in the shape of a grub, which causes irritation, nasal discharge, coughing, emaciation, and in severe cases death may result.

Preventive treatment consists in keeping the sheep enclosed except during the night. If animals cannot be kept confined it is preferable to place them in open pastures where they have no access to brush or other undergrowth.

It is claimed that if 2-inch holes are bored in a log, the sides of these holes smeared with tar, and salt placed in the bottom, that the sheep in attempting to get at the salt will smear their nostrils with the tar, preventing the fly from depositing its eggs in the nostril. Curative treatment is not very satisfactory. It is claimed that if affected sheep are placed in an air-proof enclosure, and if sulphur is burned in such an enclosure compelling the sheep to inhale the fumes that this may be of some value. The owner or attendant should remain in the room with the

sheep during this process, and whenever the fumes become so strong that he can no longer endure them, fresh air should be admitted to the sheep.

Dr. R. R. Dykstra.
Kansas State Agricultural College.

Better Wheat in Kansas

Much attention is being centered on the International Wheat Show, to be held at Wichita, October 4-14.

Including as it does the Kansas and Oklahoma prize stock show, the Southwest Milling Industries exhibit, to say nothing of other exhibits of interest, \$10,000 in premiums, and all of the amusement and entertainment events such as the 1916 motor car show, balloon races, automobile races, hippodrome, this exposition will have exhibits to attract all persons.

There will be many displays for women. The modern farm household appliance exhibit will delight the heart of every woman who sees it. This is something that is decidedly new and different. It hasn't been shown before to our knowledge. But it should have been. For what is more in order right now than the improvement of the conditions

surrounding the daily life of the farm woman?

The United States Department of Agriculture and the Kansas State Agricultural college both believe this subject is worthy of an extra amount of special study. Consequently at the Wichita wheat show there will be displayed two full sized model farm-house kitchens, one built after the plan of the United States Department of Agriculture and the other as planned by the domestic science experts of the Kansas State Agricultural college.

Both exhibits will be in charge of government and state officials and experts who will make daily demonstrations for all visiting women.

His Providence

"I suppose you are saving up for a rainy day?"

"No," replied Farmer Cornatossel. "Out this way we pray for rain. I'm saving up for a drouth."—American Boy.

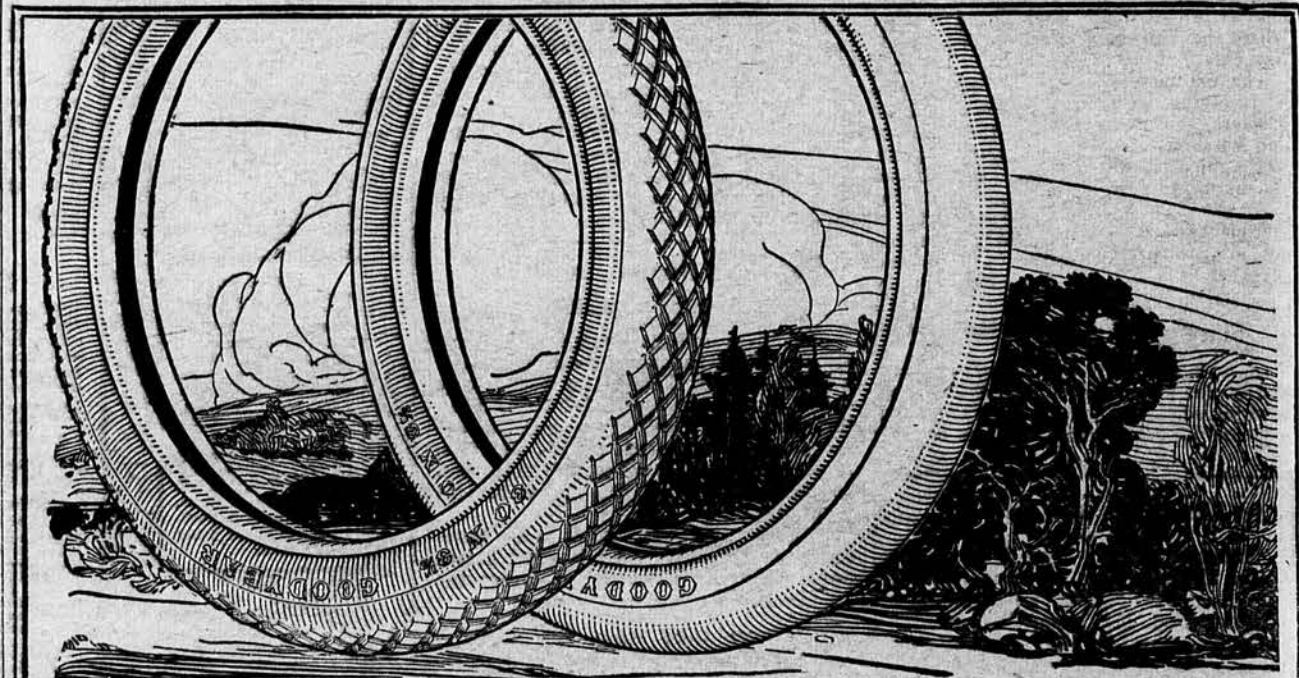
Despite the presence of "In God We Trust" on our coinage, the great American motto in reality is, "Somebody ought to do something about it."—Puck.

Didn't Give His Name

I have been raising Spanish peanuts for several years with fair success and I think there is nothing equal to them as a feed for hogs or poultry. I have been feeding the threshed nuts to horses for several months but as they do not thrive as I think they should, I should like to know whether the threshed nuts mixed with an equal part of corn are considered as good a feed for horses as a grain ration.

I have a ravine of one-fourth mile running across my place that has water running over it constantly from several springs which prevents cultivation of 5 acres of good land. I wish to have someone who has had experience in tilling inform me as to whether I can ditch and tile to drain this water under the surface so that I can cultivate over the tile, or would it be best to excavate an open ditch? I could back furrow with a plow and fill up the ravine in places from 2 to 6 feet but it would still be lower than the land on either side. If tiled would the tile have to be perforated in order to give sufficient drainage so that I could cultivate over the tile?

J. W. B.



Tires 20% Larger In Sizes 30x3½ and 30x3 30% More Rubber at the Rim

Here is the best piece of news we have ever announced to users of small-size tires.

A few months ago we announced a big price reduction. It will save Goodyear users some five million dollars this year. It brought our total reduction in two years up to 45 per cent.

But here is something better still. We have held the announcement until every Goodyear dealer was supplied with the new-type tires.

Three More Extras

This year we built new molds for Goodyear small-size tires. Our experts found a new design which increased the tire's endurance.

In making these new molds we increased the air capacity of these small-size tires by an average of 20 per cent. That means extra mileage—just as a 4½-inch tire gives more than a 4-inch on the same car.

And we added 30 per cent to the side-wall rubber, at the rim. That's where constant flexing and chafing break so many thin-walled tires.

These new extras cost us \$317,000 on this year's small-tire

output. They will save our users, beyond doubt, at least ten times that much.

No Question Now

Note that these bettered tires are Goodyears, the dominant tires of the world. For years, because of super-merit, they have outsold any other.

Even size 30x3 has long been a four-ply tire. And the All-Weather tread, since its adoption, has been made double-thick.

Now we enlarge these tires by 20 per cent. We give you an improved design. The side-walls are made 30 per cent heavier at the vital point. And our prices this year were immensely reduced.

Now there can be no reasonable question about Goodyear superiority. If you have such a question, make a comparison. You owe that to yourself.

The added mileage will vary. Mishap and misuse, the roads and the loads affect it. But it must, on the average, vastly excel smaller and thinner tires. You know that.

Every neighborhood has a Goodyear Service Station with your size in stock, which renders full Goodyear service. Look it up.



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Sell Apples at Home

Sell your apples to your neighbors. This is the advice given by the agricultural college to Kansas apple growers. It is pointed out that the small home orchards are nearly all gone and that the farmer neighbors must buy fruit for the family from the professional fruit grower. Use telephone, newspapers, postcards, posters and bulletin boards to let the public know where good fruit may be obtained.

The college, after going over the territory pretty thoroughly, feels that there are very few localities where more than enough apples will be produced for home consumption, and even in those sections where considerable fruit is grown a great deal of it may be sold to farmers and town folk who will come to the orchards and haul it away. This orchard trade is the most profitable of all. The grower needs no package, has no grading and very little sorting to do, no packing, hauling, storage, or freight expenses to meet.

This sort of trade can well afford to pay as much for orchard run, soft rots out, as the buyer can for the first two grades. The packer must maintain grading machinery, tables, packages, the expenses of picking, packing, hauling, freight, storage, and handling. He can not afford to pay much for orchards where he can pack only from one to two cars.

The extension division of the college, is receiving many requests from fruit growers, however, for lists of retail and wholesale buyers of apples who will buy apples on the trees or on the table, the buyer to furnish packages and pack the fruit. These lists are being sent out and efforts are made to interest the buyers and to bring growers and packers together.

Mare With Sprained Back

I have a mare 3 years old that has a sprained back. I have to help her up with a block and tackle when she gets down. She has been this way since April 25. She has an excellent appetite. She has good use of her hind legs, and can walk and fight flies, but she has no strength when it comes to getting up. I have consulted different veterinarians, and some of them say that she may never regain the proper use of her back. S. R.

Reno County, Kansas.

The mare's inability to arise may be due to a fracture of a segment of the backbone which would press upon the spinal cord, or it may be due to a complete or partial rupture of one of the muscles employed in arising. I cannot advise any particular line of treatment except that it might be of benefit to keep the animal up in slings for several weeks. It is barely possible that by adopting such a course that the lesion, whatever its nature, will have opportunity to heal. It is needless to say that the animal should be protected from flies and other insects during the period that it is so confined. Taken as a whole the chances of permanent recovery are rather poor especially in view of the fact that the condition has existed for several months.

The Law and Tuberculosis

What is the law as to tuberculosis in cattle?
ARTHUR WAITS.

Cassoday, Kan.

The tuberculin test in cattle may be applied by any veterinarian empowered to do so by the state livestock sanitary commissioner. The test consists in taking several temperatures followed by an injection of tuberculin, and then again taking several temperatures. If there is a rise of two degrees in the post-injection over the pre-injection temperature the animal is considered tuberculous.

If the animal has reacted to this test the owner has a privilege of disposing of it in one of three ways. He may ship it to some slaughter house in Kansas where federal inspection is maintained. If the animal passes for food he will receive its full market value. If the animal fails to pass for food he will receive what the carcass brings as "offal." Or the owner may have the animal appraised by three persons consisting of the state livestock sanitary commissioner or his representative, the chairman of the county board, and the owner. The county will then pay the owner one-half of the appraised value, after which the animal belongs to the county.

If the cow is an unusually valuable one and the owner wishes to keep her

What makes Caruso the greatest of all tenors?

His wonderful voice and his superb interpretations.

What makes the Victrola the greatest of all musical instruments?

Its wonderful lifelike tone and its ability to adapt the renditions of all artists to the acoustic conditions of any room without interfering in any way with the artists' interpretations.



Caruso listening to himself on the Victrola

The Victor Record by Caruso, Farrar, Gluck, McCormack, Schumann-Heink, or any other artist is true to the very life—with all the beauty of shading and individuality of expression as sung or played by the artists themselves.

It is perfect musically but—it must be adapted to the acoustic limitations of any room, and that is accomplished by the Victor system of changeable needles and the modifying doors of the Victrola.

And what is extremely important, it is done without interfering in any way with the artists' interpretations.

You have your choice of the full-tone needle, the half-tone needle, or the fibre needle, to suit the individuality of each record to its particular acoustic surroundings. With the modifying doors of the Victrola you still further control the volume of tone, and get the utmost enjoyment from every record.

Any Victor dealer will gladly demonstrate the advantages of these important Victrola features and play any music you wish to hear. There are Victors and Victrolas in great variety of styles from \$10 to \$300.

Write to us for the illustrated Victor catalogs and names and addresses of Victor dealers nearest you.

Victor Talking Machine Co., Camden, N. J., U. S. A.
Berliner Gramophone Co., Montreal, Canadian Distributors

New Victor Records demonstrated at all dealers on the 28th of each month.



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No Claims

for the superiority of A C plugs are necessary. The fact that AC, Titan and Cico Spark Plugs are used for regular equipment by nearly all the leading manufacturers is the best evidence of their efficiency and uniform quality.

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There are a few large manufacturers, however, such as Ford, Overland, Maxwell and Studebaker who do not use our plugs but there is an AC plug made for each one of these cars which will give the user greater efficiency and a better running car.

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to raise calves, she will be placed in of tuberculosis as they vary considerably. Sometimes there is coughing; the animal becomes emaciated; it may have severe diarrhea or swelling of the glands in various parts of the body. At other times the animal shows no outward symptoms of the disease.

It is difficult to describe the symptoms of the disease. Manhattan, Kan. R. R. Dykstra.

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REGISTERED JERSEY BULLS FOR SALE. Terms. Percy Lill, Mt. Hope, Kan.

4 REGISTERED ANGUS BULL CALVES for sale. Emil Hedstrom, Lost Springs, Kan.

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TWO YEARLING REGISTERED HOLSTEIN bull calves for sale. Best of breeding. B. J. Dixon, Agra, Kan.

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

FOR SALE—1 BULL, 2 HEIFERS. ALL thoroughbred Holsteins, no relation. R. C. Roseboom, Girard, Kan., R. R. No. 3.

FOR SALE—HIGH-GRADE NICELY-marked Holstein heifer calves three weeks old, \$15 each, crated. Edw. Yohn, Watertown, Wis.

HOLSTEIN BULL, NINE MONTHS OLD, sire a grandson of Fortias Koradyke, dam a granddaughter of Hengerveld De Kol. G. E. Berry, Garnett, Kan.

FOR SALE—REGISTERED HOLSTEINS: fine, large, two year old bull; four good young cows; all of the best breeding. R. F. Moore, Neosho Falls, Kan.

CAN FURNISH PLENTY OF GOOD NATIVE dehorned ylg. steers. Priced from 7 cts. to 7 1/2 cts. per lb. Write for terms. Ernest Smith, Osborne, Kan., Osborne Co. Box 187.

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

FOR SALE—THIRTY HIGH GRADE HOLSTEIN cows and heifers, fifteen heavy milking cows, some fresh, others will freshen soon. Fifteen heifers nicely marked, sired by registered bull, heavy milking strain. Ernest L. Holmes, R. 5, Garnett, Kan.

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RUNNER DUCKS—SIXTY CENTS EACH. McComas, Circleville, Kan.

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BARRED ROCKS. EXTRA GOOD QUALITY. Chas. Koepsel, White City, Kan.

RHODE ISLAND WHITE COCKERELS cheap. Quick. Kate Carr, Selma, Kan.

BUFF WYANDOTTE COCKERELS \$1.00 each. Mrs. Lucy Lowe, Pierceville, Kan.

PARTRIDGE ROCKS—12 PULLETS FOR sale. William A. Hess, Humboldt, Kansas.

BUFF ROCKS—A FEW HENS AND MALES to spare. William A. Hess, Humboldt, Kan.

PUREBRED S. C. W. LEGHORNS. COCKERELS 75 cts. each. A. H. Hossfeld, Baker, Kan.

BLUE ANDALUSIAN COCKERELS \$2.00, \$3.00, \$5.00. C. L. Widney, Chickasha, Okla.

FOR SALE—THOROUGHbred WHITE Wyandotte cockerels. F. S. Gould, Bigelow, Kan.

SINGLE COMB WHITE LEGHORN COCKERELS \$1.00 each. Leonard Williams, Hadam, Kan.

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

NICE BUFF ROCK PULLETS FROM prize stock, \$1.25 each. W. F. Alden, Ellsworth, Kan.

REV. QUILLIAM'S WHITE WYANDOTTES. 100 cockerels, \$1.00 to \$10.00. Belvue, Kansas.

ROSE COMB WHITE LEGHORNS—COCKERELS six for five dollars. G. Schmidt, Newton, Kan., R. 2.

FOR SALE—PRIZE WINNING BROWN Leghorns; cockerels and pullets. O. P. Duncan, Iola, Kan.

PRIZE WINNING WHITE LEGHORN cockerels for sale cheap. Clara Colwell, Smith Center, Kan.

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DUFF'S MAMMOTH BARRED ROCKS. Choice breeding and exhibition quality. A. H. Duff, Larned, Kan.

EXTRA EARLY PURE BREED S. C. COOK strain Buff Orpington from prize stock. Chas. O'Roke, Fairview, Kan.

24 THOROUGHbred LIGHT BRAHMAS \$24. Pullets \$1.50. Cockerels \$2.00. Barred Rock cocks and cockerels \$2.00. Berry Brothers, Chanute, Kan.

WHITE WYANDOTTES—FANCY COCKERELS from the best blood in the state, \$1.50. I. B. Pixley, Wamego, Kan.

APRIL HATCHED S. C. WHITE LEGHORN cockerels from heavy laying strain, at bargain prices. Wm. Paril, Axtell, Kan.

PURE BRED BARRED PLYMOUTH ROCK cockerels. Early hatched. Cheap, if taken at once. Mrs. C. N. Bailey, Lyndon, Kan.

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PURE BRED BARRED ROCKS—6, \$6.00 and up. Upland geese, Pekin ducks at reasonable prices. Henry Hankey, Goessel, Kan.

SINGLE COMB BROWN LEGHORNS—Pullet mating cockerels. Twenty, cream of the flock, \$1.50, \$3 and \$5 each. H. C. Short, Leavenworth, Kan.

EARLY HATCHED ROSE COMB RHODE Island Red cockerels and pullets, big boned, strong breeders, low price. E. A. Sibley, Lawrence, Kan.

ROSE COMB REDS—DARK, RICH, EVEN colored birds. Will sell for one-half what you will have to pay in the spring. Mrs. Chas. Hill, Toronto, Kansas.

PURE-BRED ROSE COMB RHODE Island Reds, cockerels \$1.00, 5 for \$5.00. Can supply old customers as we have a new strain. Mrs. W. A. Thompson, R. No. 2, Logan, Kan.

THOROUGHbred WHITE LEGHORNS, Wyckoff Young strain. Satisfaction guaranteed. Young roosters \$2.00 cash with order. Sunny Side Poultry Farm, J. E. Hollingsworth, M. D., Prop., Strang, Mayes Co., Okla.

BEAUTIFUL THOROUGHbred ROSE Comb Rhode Island Reds exclusively. Rich dark velvety Reds. Bean strain. Cockerels \$1.50 and \$2.00 each. Satisfaction guaranteed. Mrs. Chancey Simmons, Route 3, Erie, Kansas.

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.

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STRAWBERRY PLANTS \$2.00 PER 1000, list free. J. Sterling & Sons, Jadsania, Ark.

ALFALFA SEED FOR SALE AT \$8.00 PER bu. Sacks 25. Albert J. Boyce, Carmen, Okla.

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NOT IN THE TRUST. SEND FOR FALL list of dependable nursery stock at reasonable prices. The Riley Co. Nurseries, Manhattan, Kan.

ALFALFA SEED—HOME GROWN NON-irrigated alfalfa seed six and \$8.50 bu.; sacks 25 cts. Samples sent on request. L. A. Jordan Seed Co., Winona, Kan.

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.

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SALE OR TRADE—30 A. IN NORTHEAST Oklahoma; \$50 acre. W. G. Haworth, Dodson, Mont.

FOR SALE OR TRADE—BLACKSMITH shop doing good business. W. F. Pittman, Bluff City, Kan.

FOR SALE OR TRADE—PATENT ON cotton chopper; big improvement; works on any kind of land; chopping controlled by feet. W. A. Baker, Georgetown, Texas.

FOR SALE OR TRADE—4 ROOM HOUSE, 4 lots, nicely located, in Sylvia, Kan., to trade for western land. Hardware store doing good business, for trade for western land. I have several Reno county farms for sale or trade. Write me your wants. W. T. Miller, Langdon, Kan.

FOR SALE

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FOR SALE—ALBINO RABBITS. MARIE Maybach, Great Bend, Kan.

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

ALFALFA HAY, ALL GRADES, DRY AND in shed. Priced right. John Ryman, Dunlap, Kan.

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.

TRAILHOUND PUPS—MALES \$5 PAIR. Satisfaction guaranteed. Benj. Fleischer, Hoyt, Kan.

DRAY LINE—GUARANTEED \$5,000 yearly business. Particulars. Box 321, Holly, Colo.

SCOTCH COLLIES. 25 PUPPIES FOR sale by Parbold Fox. Western Home Kennels, St. John, Kan.

CLOSING OUT SALE BELGIAN HARES—Bucks, bred does and young stock. R. Marshall, Stockton, Kan.

FOR SALE—5 FOX TERRIER RATTERS—None better. Also White Wyandotte chl. Ginettes & Ginettes, Florence, Kan.

FOR SALE—ONE DEMPSTER LARGE NO. 14 well machine; nearly new; price reasonable. E. S. Rhodes, Tampa, Kan.

FOR SALE. UP-TO-DATE TELEPHONE plant; 500 phones, good town, good terms. S. C. Holmes, Yates Center, Kan.

FOR SALE. CREAM STATION STEAM equipped and good dwelling house. Good business. Could start produce business in connection. High school, city light. Lock Box 555, Williamsburg, 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 8 1/4 by 90 1/2 feet, eight room house, modern in every detail, hardwood finish, four fine mantels and grates, of oak, brick and tile, big sleeping and dining porch, both screened, barn, poultry houses, etc., etc. Fine place for farmer who wants to move to the capital city. Price \$5,500, worth more. Cash or terms. Interest only 5 per cent instead of the usual 7 per cent. No trade. Address R. W. M., care Mail and Breeze.

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BEST LAND, BEST WATER RIGHTS, IN sunny Colorado. Low prices. Keen Bros., Pueblo, Colorado.

FOR SALE—160 A. IMPROVED FARM. Good crops. Best soil water. A. F. Whitney, Morland, Kan.

YOUR CHOICE OF A 160, 320 OR 640 A. farm. Possession now. Easy terms. W. C. Blatner, Belpre, Kan.

320 A. WELL IMPROVED STOCK FARM 1 mi. town, \$50 per a. H. J. Brogard, owner, Toronto, Kansas.

LIST YOUR TRADES, LARGE OR SMALL. Trades made everywhere. Progressive Realty Co., Greeley, Colo.

FINE SUBURBAN HOME FOR SALE, cheap if taken now. Address me, J. M. Mason, Columbus, Kan.

160..GOOD SOIL, COMMUNITY CLIMATE and crops. Rural route, school. \$2,400.00. Dan'l Ough, Benkelman, Neb.

SELL—ONE, TWO OR THREE EIGHTIES, one tract. Well improved; near Chapman. Wm. Woodson, Chapman, Kan.

ONE HUNDRED FARMS FOR SALE IN Saline county, garden spot of Kansas, by Fred A. Reed, Salina, Kansas.

FOR SALE—CHOICE CORN AND ALFALFA farms at unheard of prices. New lists, explains all. Geo. F. Morris, Burns, Kan.

160; NEW IMPROVEMENTS; EXTRA fine spring, \$500., 129 acres, part bottom. 50 cultivated, orchard, spring, \$800. Box 30, Cook, Ark.

GREATEST BARGAINS IN EASTERN Kansas. 160 farms for sale. State size farm wanted first letter. G. W. Depue, Parker, Kansas.

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

OWNER MUST SELL FOUR QUARTER sections western Kansas lands. An extremely low price for quick sale. Box 990, Fort Worth, Texas.

FOR EXCHANGE—12 ACRES, FRUIT and berry ranch. Water and soil fine. Land near Topeka preferred. Taylor Cooley, Grand Valley, Colo.

FOR RENT—STOCK FARM 160 ACRES, \$400 cash per year. Might consider part grain but prefer all cash. Mrs. Martha Boon, Chetopa, Kansas.

225 ACRE HOMESTEADS: PRODUCTIVE land, 95% tillable, shallow water, home markets, free coal, timber, near railroad. Noah Fox, Gillette, Wyoming.

HOMESTEAD LAND, BONANZA VALLEY, Colorado. Hay and wheat land, close to timber, mild winters. Send stamp. Colorado Homestead Co., 1624 Curtis St., Denver, Colo.

THREE "MODERN" RENTAL PROPERTIES in Winfield, Kan., near colleges; photos; also good farm in central Okla., all for ranch. Littleton, 6120 Mass. St., Winfield, Kan.

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

FOR SALE—GOOD, SOUTHWESTERN Oklahoma improved corn, wheat, cotton and alfalfa farms. Easy terms. Bumper crops. Some exchanges. Box 121, Mangum, Okla.

FREE GOVERNMENT LAND FOR FARMERS in prosperous Colorado. Where it is, how to get it. Write for official information immediately. Immigration Dept. 1515 Tremont, Denver, Colo.

WHEAT LAND AND GASOLINE TRACTOR plowing outfit, to rent with the land. Also sell fine wheat land on easy terms. In Wallace county, Kan. J. E. Fitzgerald, owner, Jamestown, Kan.

320 ACRES, NESS CO. FARM, 1 1/4 MILES from station, good two room house nearly new, good barn, wind mill, lots of water, 130 acres in cultivation, rest fenced. \$8,000. J. A. Graham, Ransom, Kan.

FOR SALE—315 ACRE STOCK FARM, 40 in cultivation, balance pasture, mowland and timber. Improved, in Elk Co., Kansas, \$20 per acre, terms. Write owner, Alfred Olson, Independence, Kansas.

AGED FARMER, MUST SELL, SPLENDIDLY improved farm, near Chanute, Kan., good soil, water, orchard, churches, school, 105 a. at \$62. Easy terms. Send for printed plat and description. J. Ruff, Earlton, Kan.

STOCK FARM FOR SALE, 316 ACRES in Pottawatomie Co., Kan. Good improvements. Best blue stem pasture. Never failing water. Price less than \$40 per acre. Write me. T. N. Martin, Owner, Osburg, Kan.

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

600 A. IMPROVED; WELL, CISTERN, running water, shade, orchard; 180 a. in cultivation, 40 a. alfalfa; balance pasture and meadow; No. 1 stock farm; 9 miles south Eskridge. Further particulars, address T. J. Oney, Eskridge, Kan., R. F. D. No. 4.

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.

WANTED, GERMAN LUTHERANS TO locate near large church with parochial school of forty children. Number of farms within two miles of church; also large ranch. Price \$30 to \$50 an acre. Small payment, long terms. Questions answered conscientiously. Wm. Lessman, Olpe, Kansas.

SUBURBAN FARM AND HOME FOR sale. 10 acres near Washburn College, all splendid soil, brick house, fine old shade, excellent outbuildings. Fine orchard and small fruits, 1 1/2 acres alfalfa, pasture for 3 cows. Price \$7,500, easy terms. R. B. Nelson, 1245 Mulvane St., Topeka, Kan.

IRRIGATED LAND IN COLORADO'S best agricultural county (Otero) \$50 an acre. How does that sound? Rich soil; abundant water; favorable surroundings; remarkably fine climate; big crops assured every year. Land nearby no better sold for \$150 to \$200. Limited acreage offered. Rapid advance certain. Write D. H. Sprull, Fowler, Colorado.

MUST SELL ON ACCOUNT OF HEALTH. 320 acres well improved bottom land. 100 acres cultivated. Living water. New five roomed house, cellar, barn, wash house, etc. Good water, windmills, gas lights, telephone. Adjoins town of 1200 having high school, churches, electricity, water, ice plant, etc. Been previously offered \$70.00 per acre; will take \$47.50. \$3500.00 down and rest on easy payments. Address Box 194, Protection, Kansas.

FOR SALE—160 ACRES, BEST CROCKED Creek land, none better anywhere, fine alfalfa and corn land, most all fenced hog tight, 140 acres cultivation, 24 acres alfalfa, good house and granaries, stable poor, 4 miles from town, in Grant county, Oklahoma. Belongs to non-resident, must sell to settle partnership, \$2,000 cash will handle it, balance long time at 6%. C. W. Straughan, Wakita, Okla.

THE HOYT STATE BANK OF HOYT, KANSAS, has 2 fine 1/2 sections of Texas land they will sell at a great bargain. Both well improved, lying side by side, nearly level, easily irrigated as abundance of water near surface. In noted shallow water belt of Texas. Three miles to town and R. R. station. Country settled. Land under irrigation selling for \$50 to \$70 per acre. This can be bought for \$20 per acre. Would take Eastern Kansas land as part payment. Write Hoyt State Bank, Hoyt, Kan.

RICH BLACK VALLEY FARMS \$15 PER acre, 14 years' time. More than one hundred families have already bought land in our Rosita Valley Ranch, Duval county, Texas, and all intend to make it their home. Join the most successful colony in Texas. No richer land anywhere; good water; finest climate in United States; price the lowest; terms easiest. Practically twelve months growing season. Produces excellent crops of corn, cotton, all forage crops including alfalfa, sudan grass, sorghum, as well as potatoes and other vegetables; semi-tropical fruits such as oranges, grape fruit, figs, grapes. Splendid dairy country. Railroad and seaport distributing centers near. Only \$15 an acre. \$1 an acre cash, balance 14 years' time. Remarkable opportunity for farm home or investment. Write today for free booklet. Address C. W. Hahl Company, Inc., 440 Commercial Bank Bldg., Houston, Texas.

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WANTED: TO HEAR DIRECT FROM owner of good farm or unimproved land for sale. C. C. Buckingham, Houston, Texas.

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

WANTED—TO BUY WESTERN LAND, 500 acre tract or more, south of Arkansas River; would prefer running water. J. T. Hourigan, Langdon, Kan.

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.

BEES AND HONEY

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ITALIAN BEES FOR SALE. A. H. DUFF, Larned, Kan.

CALIFORNIA SAGE HONEY—2 60-LB. cans \$9.00. Samples 10 cents. W. W. Hatch, Alta Loma, Calif.

PURE HONEY. 60 LB. CAN \$6.00. TWO 60 lb. cans \$12.00. Freight prepaid to any station in Kansas. Sample 10c. H. L. Parks, Wichita, Kan.

HONEY—FANCY WHITE EXTRACTED. 2 60 lb. cans \$11.00. Light amber \$10.00. Amber \$9.00. Single cans 25 cents extra for boxing. Special prices in large lots. Bert W. Hopper, Rocky Ford, Colo.

SPECIAL PRICE LIST PURE CALIF. honey free. Produced by one of our Calif. apiaries. Explains grades, sized packages, prepaid prices. Inspection allowed before payment. Sample for dime to pay postage. Spencer Apiaries, Dept. D, St. Louis, Mo.

FARM MACHINERY

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

GOOD—16 HORSE STEAM TRACTION engine \$150. S. B. Vaughan, Newton, Kan.

FOR SALE—CHEAP IF TAKEN SOON. 36-80 Rumely Sep. and 9 horse gas engine. Harry Dyck, Moundridge, Kan.

SMALL POWER THRESHERS FOR GRAIN, maize, peanuts, peas, etc. Hand and Pony hay presses. Particulars free. W. H. Stoppel, Dallas, Texas.

CREAM WANTED

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

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PATENTS THAT PAY. \$600,562 CLIENTS made. Searches, Advice and two books free. E. E. Vrooman & Co., 885 F, Washington, D. C.

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

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MEN OF IDEAS AND INVENTIVE ABIL-ity should write for "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.

PATENTS WANTED

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WRITE FOR OUR FOUR BOOKS SENT free to any address. What to Invent contains List of Inventions Wanted, \$1,000,000 in prizes offered for inventions, also list of Inventions Needed on Farms compiled from information secured from Department of Agriculture. Send for List of Patent Buyers with requests from manufacturers regarding New Ideas they wish to purchase. How to Obtain a Patent contains 100 mechanical movements illustrated. Send us a model or sketch of your invention for free search of Patent Office records to ascertain if patentable. We secure patent or return fee and advertise all patents obtained by us free. We assist inventors to sell their patents. Victor J. Evans & Co., 825 F, Washington, D. C.

FEATHER BEDS

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

NEW 40-LB. FEATHER BEDS \$7.80. 6-LB. pillows to match \$1.15 per pair. New, live, clean feathers. Best ticking. Sold on money back guarantee. Write for free catalog. Agents wanted. American Feather & Pillow Co., Desk 25, Nashville, Tenn.

HELP WANTED

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WANTED—MAN AND WIFE TO WORK on farm. Give experience and references in first letter. Joe Hollinger, Chapman, Kan.

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

MEN—WOMEN 18 OR OVER WANTED AS U. S. government clerks, \$70.00 month. Vacations. List of positions now obtainable free. Franklin Institute, Dept. C51, Rochester, N. Y.

THOUSANDS U. S. GOVERNMENT JOBS now open to farmers—men and women. \$65 to \$150 month. Vacations. Pleasant work. Steady employment. Pay sure. Common education sufficient. Write immediately for free list of positions now obtainable. Franklin Institute, Dept. C51, Rochester, N. Y.

MALE HELP WANTED

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

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

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

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

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.

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

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

AGENTS

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

AGENTS. BIG MONEY SELLING MY cooker. J. H. Shaw, Scammon, Kan.

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.

\$100 MONTHLY SALARY AND EXPENSES to men with rigs to introduce our guaranteed stock and poultry preparations. Year's contract. Redwood Chemical Co., St. Paul, Minn.

MEN AND WOMEN TO SELL THE FAST-est selling household novelty of the day. Set samples and full information 50 cents. Address The Enamel Bake Ovens, 504 Burnside St., Portland, Ore.

YOUNG MAN, WOULD YOU ACCEPT A tailor-made suit just for showing it to your friends? Then write Banner Tailoring Co., Dept. 177, Chicago, and get beautiful samples, styles and a wonderful offer.

\$100.00 PER WEEK CAN BE MADE SELL-ing our enamel and other household ware direct from the factory to retail merchants. Liberal commissions. Arrangements can be made for weekly drawing accounts. Some territory now open. Give references. United States Steel Ware Co., Pittsburgh, Pa.

MISCELLANEOUS

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

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

WANTED—BY MAN WITH SMALL FAM-ily, job on farm with tenant house provided. State terms. Address John Spengler, Bartlesville, Okla.

JAMES FRAIN—DEAF MUTE, AGE about 65, last heard of St. Louis in 1875. Brothers-enquiries. Gordon & Gotch, Advertising Dept., 33 W. 42nd St., New York.

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.

"Ropp's Commercial Calculator"

A Book of Great Value to Every Farmer

This book is the greatest time and labor saver ever offered the American farmer. It is also a great money-saver and money-maker. It shows you how to accurately and instantly figure out any problem that may come up—how to figure estimates, wages, taxes and interest on any sum of money, any number of days, at any rate—tells bushels and pounds in loads of grain, correct amount at any price; weight and prices of livestock; contents of bins, wagons, bins, etc. It is a "lightning calculator" always ready when you want it. Bound in red cloth covers, 328 pages, pocket size. One copy of this famous book free to all who send for a year's subscription to our well known home and farm monthly.

Dept. 10
FALL FARMER TO-TOPEKA, KAN.

Much Wheat Land to Sow Yet

Some Farmers Delay Seeding Because of Hessian Flies

BY OUR COUNTY CORRESPONDENTS

CHEYENNE	RAWLINS	DECATUR	NORTON	PHILLIPS	SMITH	JEWELL	REPUBLIC	WASHINGTON	MARSHALL	NEMAHA	BROWN
SHERMAN	THOMAS	SHERIDAN	GRAHAM	ROOKS	OSBORNE	MITCHELL	CLOUD	CLAY	POTTAWATOMIE	JACKSON	ATCHISON
WALLACE	LOGAN	GOVE	TREGO	ELLIS	RUSSELL	LINCOLN	OTTAWA	RILEY	SHAWNEE	DOUGLAS	JOHNSON
GREELEY	WICHITA	SCOTT	LANE	NESS	RUSH	BARTON	ELLSWORTH	SALINE	JEFFERSON	LYON	BARBER
HAMILTON	KEARNEY	FINNEY	HODGEMAN	FRANKLIN	STAFFORD	RENO	HARVEY	BUTLER	GREENWOOD	WOODSON	ALLEN
STANTON	GRANT	WASKELL	GRAY	FORD	EDWARDS	PRATT	KINGMAN	SEDGWICK	WILSON	NEOSHO	CHANDLER
NORTH	STEVENS	SEWARD	NEADE	CLARK	COMANCHE	BARBER	HARPER	SUMNER	COWLEY	ELK	NORTHON
											LABETTE
											CHESTER

AVERAGE dates of wheat seeding will be much later than usual in Kansas this year. Much ground on which it is planned to grow wheat next year still is unplowed. The late date of seeding this year is partly due to wet weather, and partly to an effort to avoid damage by the Hessian fly. Some farmers plan not to sow any wheat before October 15, because they wish to get rid of the fly. Threshing is progressing slowly. Wheat stacks are growing more than usually is the case.

KANSAS.

Finney County—No frost yet and most of the grain will mature. Considerable moisture and cool and cloudy weather continues with a few warm days. Eggs 20c.—F. S. Coen, Oct. 2.

Ellsworth County—Rainy weather. Some farmers began sowing wheat and others preparing the ground October 1. Corn good in some places but damaged badly in others by hail.—C. R. Blaylock, Oct. 1.

Greeley County—No frost yet and everybody is busy taking care of the largest crop of feed we have had in years. Some plowing being done for wheat but not much has been sown yet.—F. C. Woods, Oct. 4.

Coffey County—Weather still cloudy and wet which is holding back crops. Hay not all up yet. Ground too wet to plow. A good many public sales and everything sells well.—A. T. Stewart, Oct. 2.

Cherokee County—Heavy rains have kept the farmers out of the fields for two weeks. Wheat sowing will be late this fall on account of fly. Not much rough feed. Hay crop good. Wheat \$1.05; eggs 23c.—A. E. Moreland, Oct. 2.

Labette County—A great deal of wet weather which is delaying the threshing and haying. Pastures very good. Stock looking fine. Crows eating corn, kafir and feterita and are a great pest in the northern part of the county.—Wilbert Hart, Oct. 2.

Cowley County—Weather clear and pleasant. Farmers busy sowing wheat and filling silos. Most of the silos are being filled with kafir. About the usual amount of wheat being sown. Stock looking very well. Eggs 20c; butterfat 20c; potatoes 65c.—L. Thurber, Oct. 2.

Wilson County—It rains three or four times a week and farmers cannot put up the hay. Some corn damaged in the tip and butt by rain. Stock shipped out at low price. Plenty of roughness but prospects are poor for cutting corn or other grain crops.—S. Canty, Sept. 28.

Geary County—Farmers busy putting up hay and preparing ground for wheat. Weather has been wet and cool. Most of the corn is out of danger of frost and corn cutting has begun. Light frost September 20. Wheat 98c; corn 59c; hogs \$7.25 cwt.; eggs 20c.—O. R. Strauss, Oct. 2.

Kearny County—Rainy weather the last 10 days. All grain crops ripening slowly. There will be a great deal of soft grain. Wheat making from 12 to 25 bushels to the acre where it is dry enough to thresh. All stock doing well on grass. No disease reported. No frost yet.—A. M. Long, Oct. 2.

Wabaunsee County—Cloudy weather almost all week. A good many farmers are not through plowing for wheat. Not much wheat will be sown before the middle of October on account of the Hessian flies. No corn has been cut yet. Fourth crop of alfalfa good but short.—Henry Lesline, Oct. 2.

Clark County—Wheat threshing almost completed and yields are below the average. Too much rain has delayed wheat sowing. Spring crops the best in years but require several more weeks of warm weather. Pastures good. Many hogs on feed. Fat cattle being shipped out.—H. C. Jacobs, Oct. 1.

Renew County—No frost yet in the western part of the county but a large amount of rain. Threshing is half done and the other half is not worth anything. It is too wet to sow wheat. Early corn is hard enough to feed but late corn is green. Fourth crop of alfalfa ready to mow. Muddy wheat 85c; good wheat 95c.—D. Engelhart, Oct. 2.

Scott County—Cold, rainy weather. No frost yet. Feed crops heavy but late. Wheat making 6 to 20 bushels and barley 80 to 50 bushels to the acre. Threshing delayed by damp weather. Grass good. Stock in fine condition. No wheat sown in the north part of county.—J. M. Helfrick, Oct. 1.

Trego County—Dry and windy weather. A good many farmers through seeding but there is a large amount of wheat to be put in yet. Wheat coming up good with a few exceptions. A great deal of threshing to be done yet. Corn ripening very fast. Feterita and kafir coming on nicely and will be a fair crop. Most of the hay crop

was put up in good condition. Cream 23c to 25c; chickens 8c; wheat 85c to 95c; oats 45c; corn 70c to 80c; seed wheat 95c to \$1.—W. F. Cross, Sept. 30.

Leavenworth County—Wheat sowing has just begun and considerable wheat ground has not yet been plowed. A great deal of threshing is being done. Average wheat yield is 15 bushels to the acre. Most of the wheat is third grade. Corn yield is better than for a number of years. Many farm sales.—George Marshall, Oct. 2.

Stafford County—An abundance of rain and ground is too wet to work. Wheat sowing just began and some farmers will not sow for two or three weeks on account of fly in the wheat. Some parts of the county have a large amount of threshing to do yet. Hay crop badly damaged by rains.—S. H. Newell, Oct. 1.

Ottawa County—All farm work at a standstill for more than a week on account of two heavy rains last week. Wheat ground will be in fine condition for seeding when it dries sufficiently. Corn maturing slowly on account of the cool damp weather. No killing frost yet. Hay is about all in stack and is a double crop this year.—W. S. Wakefield, Oct. 2.

Sherman County—Threshing hindered the last two weeks by rain but some heavy weather has put our fine corn crop partly beyond danger of frost. Hay and forage crops green as grass yet and are being harvested in good condition. All crops are very good here this year as frost has held off until the danger is past. Many cattle are being sold at high prices.—J. B. Moore, Oct. 2.

Barton County—Weather cool and plenty of rain. Sunshine today after a week of wet cloudy weather. Much wheat damaged in the stack and threshing is progressing very slowly. Farmers behind with fall seeding. All feed crops good and roughness will be plentiful if weather is good so that it can be put in stack. Potato crop poor. Wheat 98c; corn 85c; oats 45c.—J. A. Johnson, Oct. 2.

Shawnee County—A couple of days of sunshine after a week of rainy and cloudy weather. Silo filling in progress. Fourth cutting of alfalfa is being cut. Threshing from the stack has begun and the wheat is in bad condition as most of it was stacked wet. Corn ripening good but will be late. Wheat acreage will be about half of last year's acreage. Stock doing well.—J. P. Ross, Oct. 2.

Thomas County—Cool and cloudy weather the last four or five days and some rain on September 25 and 26. Farmers busy putting up feed and sowing wheat. Some corn is mature and some of it will need 10 days more without frost to mature it. Milo and feterita also need more time to mature. Threshing is in progress and wheat is yielding up to 25 bushels to the acre. Cattle doing well.—C. O. Cole, Sept. 30.

Lyon County—We had two days of sunshine and a strong south wind which dried the ground and the mowed hay. Corn cutting and silo filling is the program every day of most of the farmers. Not as much wheat and alfalfa sown as last fall on account of the wet season. Several fields of hay in the bottoms not mowed yet. Last cutting of alfalfa being cut. Plenty of pasture on the prairies.—E. R. Griffith, Oct. 3.

Pawnee County—Heavy rains the last week have stopped threshing which is more than half done. Stacks growing. Early sown wheat looks very good. Nearly everyone is seeding. No feed cut yet and no silos filled. Feterita, cane and kafir are very good crops. Corn will be good unless a hard frost damages it. Very few eggs and butter supply is short.—C. E. Chesterman, Sept. 30.

Douglas County—Corn cutting and wheat sowing in progress. Fourth crop of alfalfa also being cut. Corn maturing nicely and all the first planting is out of danger and some of the second planting is almost mature. A great deal of volunteer wheat. Most of the farmers are disking their ground. Apple crop better than expected. No disease among stock. Pastures very good. Apples 50c to 90c bushel; No. 3 wheat 90c; oats 38c; new corn 50c; old corn 60c to 65c; prairie hay \$7 to \$8 ton; alfalfa hay \$9 to \$10; old hens 10¢; eggs 22c.—O. L. Cox, Sept. 29.

Smith County—Fine weather continues and we have not had enough frost to harm vegetation. A 2-inch rain September 25 put the ground in fine condition for seeding which is now in progress. About the usual acreage of winter wheat will be put out. Some threshing yet to do. Wheat average 10 to 15 bushels to the acre. Corn is ripening nicely and promises a large yield. Forage crops large. Last cutting of alfalfa being put in the stack. Cattle still in pasture. Many cattle being shipped in for feeding purposes. Farmers have begun filling their silos. Big crop of fine quality prairie hay. Wheat 95c; corn 54c; hogs \$7.50; potatoes 50c; butterfat 22c; eggs 19c; hens 8c; springs 10c.—Ernest Crown, Oct. 1.

BIG BARGAINS IN REAL ESTATE

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

Special Notice

All advertising copy discontinued or changed 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.

THREE farm bargains. Write for description. T. J. Ryan, St. Marys, Kansas.

NEMAH COUNTY, KAN., farms, improved. 40 a. up. E. L. Horth, Centralia, Kan.

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

190 A. IMP. 46 alfalfa, bal. wheat, corn, pasture, \$12,000. Lindholm & Son, Kingman, Kan.

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

1920 A. 10 ml. Meade, 700 a. farm land, bal. pasture, \$12.50 a. G. W. Day, Meade, Kan.

IMP. FARMS, alfalfa, corn and wheat lands 500 up. Mott & Kohler, Herington, Kan.

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

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

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

2/3 SEC., 200 cult., 20 alfalfa, bal. pasture, well improved, spring and well. \$18,000. Terms. Hill & Murphy, Holsington, Kan.

CHOICE WHEAT and alfalfa farms. \$50 up. Banner wheat and alfalfa county. Write for description. Rex Nordyke, Harper Kan.

BARGAINS in imp. alfalfa, corn and wheat farms. Right prices, easy terms. Proctor & LeGrande, South Haven, Sumner Co., Kan.

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

FOR SALE: 240 acre improved farm; 1/4 plow land, balance grass at \$20 per a. J. H. King, Cawker City, Mitchell Co., Kan.

FARM AND RANCH. 160 a. close in, nicely imp. \$6,000; terms. 1760 a. ranch, imp. \$19 an a. Best bargain in Kansas. G. Schimpff, Burns, Kan.

IMPROVED choice 240 a. 4 ml. Preston, Pratt Co., Kan. 210 a. wheat, all goes to purchaser. Price \$14,500. \$7,500 cash, no trades. Chas. E. Dye, Preston, Kan.

LOOK: 320 acre improved farm, where cattle, hogs, corn, and alfalfa grow to perfection, \$30.00 per acre. Ask about this and other farms. "Greene," Longton, Kan.

IMP. 80, 3 1/2 ml. out, \$3300. A snap. Decker & Booth, Valley Falls, Kan.

FOR RENT. 158 acres, for wheat. \$250.00. John Deer, Neodesha, Kan.

160 A. well impr. 1 ml. town, \$15,000. 240 a. fine improvements, \$24,000. J. Jensen, Hiawatha, 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.

SEVERAL TRACTS of smooth wheat land \$4 to \$10 per a., owing to location. J. A. Jackson, Owner, Syracuse, Kan.

80 ACRES, well improved, High state of cultivation. 3 1/2 miles of Wellsville. Price \$7300; \$1500 cash, bal. 5% long time. Moehman & Bivins, Wellsville, Kan.

CLAY COUNTY improved 160 acres; 6 1/2 ml. Clifton, 110 a. under cult. 6 acres alfalfa; rest fine pasture land. 50 a. in wheat. Possession at once. Price \$9,000. Frank Mares, Clifton, Kan.

ONE 160 a. creek bottom farm; 400 acres good hay and pasture land; 320 a. farm close to Reading, Kan. Will sell cheap for cash or take part trade on every place. Theo. Voeste, Olpe, Kan.

160 A. 2 ml. Osage City; 80 a. corn, 10 a. alfalfa, 30 a. hay pasture, bal. grass. 8 r. house, large barn, cow barn. 1000 catalpa trees; well, mill, cistern, cave. \$65 a. Rosenquist & Renstrom, Osage City, Kan.

760 A. RANCH and farm, 10 ml. south of Fowler, 15 ml. east Meade. 300 a. cult.; fine stream, 50 springs. 200 a. alfalfa land. Artesian water. New house, 13 a. timber. 2 a. orchard. \$15,000. Write R. C. Mayse, Owner, Ashland, Kan.

FINE VALLEY FARM. 160 a. just in the edge of valley; smooth, rich soil, good impr., close to school, town and church. A fine home. Worth \$75; offered for a short time at \$55. D. H. Wallingford, Mound Valley, Kan.

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

FARM 160 ACRES JOHNSON CO., KAN. 27 miles from Kansas City, 125 acres in cultivation, new 5 room house, 30x40 barn, 12x25 chicken house, 80 foot hog house, all new; good well; good creek; \$4,000 mortgage runs 4 years. For cash sale \$75 acre. No trades, no commissions. W. W. TOWNSEND, 1115 Walnut St., Kansas City, Mo.

FOR QUICK SALE, 400 a. imp., 7 ml. shipping point in Ness Co. 200 a. cult.; 2000 a. leased grazing land, in connection, cheap. Price of land, lease rights and 12 ml. fence, \$5,000. No trades, good terms. All kinds of wheat and alfalfa land for sale. C. F. Edwards, Ness City, Kan.

120 ACRES, 3/4 miles of Richmond, Kansas, a town of about 700 people, all good smooth, tillable land. 75 acres in pasture and clover meadow, 2 story, 8 room house, good barn. Price \$75.00 per acre. Casida & Clark, Ottawa, Kan.

80 A. 2 1/2 ML FROM CLIFTON, KAN. All tillable, well improved, all hog tight. No. 1 soil, good neighborhood, good water, best of terms. If interested, write J. H. Harris, Owner, Clifton, 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. Frizell & Ely, Larned, Kansas.

145 A., FRANKLIN COUNTY, KAN. Practically all creek bottom soil. 70 a. tillable, 4 room house, barn, other improvements, abundance of water. Price \$32.50 per a. A bargain at the money. Guy Mansfield, Ottawa, Kan.

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

80 ACRES ONLY \$1,000 South of Wichita near Wellington; all good loam soil; dandy dairy farm; good bldgs.; only \$3800; \$1000 cash. Be quick. R. M. Mills, Schweitzer Bldg., Wichita, Kan.

FOR SALE A SNAP Improved 160 acres, 30 miles from Wichita, 4 1/2 miles from railroad town. \$1000 payment will handle it, balance long time at low rate of interest. Address owner, H. C. Whalen, 412 Biting Building, Wichita, Kansas.

ONLY \$700 DOWN Balance on easy terms, for this 160 acres, all rich, level wheat land; 90 acres cultivated; good well; 4 miles to railroad station. \$20 per acre. One crop will pay for it. The John Landgraf Land Co., Garden City, Kansas.

Farm Sale by Heirs 200 acres alfalfa farm, 3 miles from Fredonia, Wilson County, Kansas, to be sold October 11th at the front door of the court house in Fredonia. A chance for a bargain. H. G. McKeever, Enid, Okla.

FINE STOCK RANCH Square section, 8 ml. town in Ness Co. 120 a. in cultivation, bal. fenced pasture. 350 a. smooth alfalfa land, 18 ft. to sheet water. Walnut creek runs through, never dry; 3 room house, stable for 12 horses, cow shed, double frame granary, with driveway; stone chicken house, well, windmill and high tank. Nice young orchard. Several quarters grass land adjoining can be leased. \$8000; terms on \$4000. Send for list. V. E. West, Ransom, Kan.

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 else farm you want and how much you want to pay on the same. W. V. Young, Dighton, Kansas.

500 IMPROVED FARMS in the famous Red River Valley, Minnesota, from \$40 to \$100 per a. 10,000 acres of cut-over lands in Pine County, from \$15 to \$25 per acre in tracts to suit, on very easy terms. Crop failure unknown to the oldest inhabitant. Thousands of sturdy homeseekers are pouring into Minnesota. "The land of the golden grain." Call on or write W. J. Westfall Land Co., 740 Plymouth Bldg., Minneapolis, Minn., of the Minnesota Farm Lands Ass'n.

NEW YORK 150 MONEY MAKING NEW YORK farms for sale now at half actual value by McBurney & Co., Bastable Block, Syracuse, N. Y.

A MODERN FARM HOME Worth \$150 Per Acre—Our Price For Quick Sale \$112.50

Live Here and Enjoy the Combined Advantages of Country and Town.

This 160 acres adjoins the thriving town of Peabody, Kan., on the main line of Santa Fe and Rock Island. This farm home of eight rooms, bath, toilet, cement cellar, etc., is equipped with furnace, hot and cold water, electric lights, both in house and barn. Every acre of this land is tillable; a smooth, well-drained, deep, rich black soil that will grow large crops of corn, alfalfa, wheat and the various things that Kansas soil and climate are adapted to grow.

This farm has barns for horses, cattle, hay and hogs; chicken house, wells, cisterns and other improvements too numerous to mention here. Has 40 acres of good growing alfalfa, 35 acres meadow grass, good young orchard; is fenced and cross fenced. The fact is

This Farm Must Be Seen To Be Fully Appreciated

You have here the full advantages of a modern home and farm; city schools, churches, lodges and other conveniences, yet without the high taxes of the city dweller. 18 passenger trains stop daily at Peabody, Kan. Wire, phone or write when you will come. \$9,000 cash, terms on balance. This is too good a bargain to last very long.

W. N. TRUMBO, Owner, Peabody, Kansas

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

Biggest Ranch Bargain in Kansas 5,274 acres, Butler Co. Over 3,000 acres beautiful, level, rich, tillable and all finest blue stem, limestone pasture, one body. Timber and everlasting water. \$21. V. A. Osburn, El Dorado, Kansas.

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

COLORADO - FINE homestead relinquishments and dead-end lands cheap. Write R. Parks, Glen, Colo.

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

FOR SALE: Sugar beet and winter wheat land, under ditch, close to railroad, in Logan Co., Colo., at \$10 to \$30 per acre. William Tew, Sterling, Colo.

560 A. 3 ml. Calhan high school, \$4,000 improvements. High state of cult. Plenty water. Never failed to raise crop. Price \$20 a. 1/2 down. Horace Meloy, Calhan, Colo.

COLORADO—Biggest land bargains going. Irrigated farms \$50, up; rainbelt farms \$15, up. One crop pays for land. Agents wanted. Colorado Colony Co., Sterling, Colo.

320 ACRE homestead-relinquishments in Eastern Colo., prices right, going fast. Have large list and can suit you. How much can you pay? It makes a difference of location, etc. Chandler Land Co., Lamar, Frowers Co., Colorado.

IDEAL money making Colorado farm 2,000 a. Alfalfa, timothy, clover, small grains, corn, potatoes, root crops. Sparkling streams, fine stone buildings. Cement silos, 1 mile to R. R. Cattle, hogs, horses, mules, glorious climate, excellent markets. Description, right price. Keen Bros., Pueblo, Colo.

MINNESOTA 500 IMPROVED FARMS in the famous Red River Valley, Minnesota, from \$40 to \$100 per a. 10,000 acres of cut-over lands in Pine County, from \$15 to \$25 per acre in tracts to suit, on very easy terms. Crop failure unknown to the oldest inhabitant. Thousands of sturdy homeseekers are pouring into Minnesota. "The land of the golden grain." Call on or write W. J. Westfall Land Co., 740 Plymouth Bldg., Minneapolis, Minn., of the Minnesota Farm Lands Ass'n.

NEW YORK 150 MONEY MAKING NEW YORK farms for sale now at half actual value by McBurney & Co., Bastable Block, Syracuse, N. Y.

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.

OKLAHOMA OKLA. LANDS. 40 to 500 a. tracts. Write for list. Roberts Realty Co., Nowata, Okla.

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

BUY NOW from owner, best 650 acre farm in Oklahoma, 2 miles from Vinita. Well improved; strong, level land 3 sets of buildings. W. M. Mercer, Aurora, Ill.

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

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

140 A., nearly all dry bottom. 100 a. in cult. 7 ml. from McAlester. Crops good. \$25.00 per acre. Terms. Southern Realty Co., McAlester, Okla.

WE HAVE 40 FARMS TO SELL; 10 a. to 1000 a. Three ranches, cheap land, 1000 to 20,000 acres. Correspondence solicited. Ref. any bank in Pittsburg County. Crowder E. E. Co., Crowder, Okla.

FOR RENT: 100 to 500 acres fine bottom land, joining town of Chickasha, Okla. Price \$5.50 to \$6.25 per a. cash rent. Half down, balance November 1st. Address Box 254, Chickasha, Okla.

FOR SALE: 100 acres fine bottom land, joining town of Chickasha, Okla. Ideal corn, alfalfa and wheat land. Also well located for townsite property. Price \$100 per a. Half cash, balance five years. Address Box 254, Chickasha, Okla.

FINE FARM FOR SALE. 200 a. imp., large barn, good house, bearing orchard, fine water. 1 ml. to a good town in Tulsa Co.; fine roads, near school and agricultural college; 150 a. in high state of cult. Bal. pasture and meadow, 10 a. hog tight, running water in lots, fine shady lawn; all alfalfa land; large, paying gas well near the house. (40 a. of same tract leased for \$10,000 for oil and gas rights.) Good oil production all about farm and this one is a sure shot for oil and already has abundance of gas. No better farm can be had for the price asked. Failing health of wife, reason for selling. \$2,000 cash, long time on bal. Only \$75 per a. E. G. Cunningham, Room 25, Hayward Bldg., Tulsa, Okla. Phone 4670-552.

Cheapest GOOD Farm Land in Oklahoma, is in McCurtain County. Write for my "War Special." Some real bargains. C. E. O'Neal, Box 75, Idabel, 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.

Central Oklahoma farms \$5.00 to \$8.00 per acre. 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.

PUBLIC AUCTION SALE OF OKLAHOMA STATE AND School Lands

Beginning November 8th, 1915, the Commissioners of the Land Office of the State of Oklahoma, will sell at the highest bid on forty (40) years' time at five (5%) per cent. approximately 173,081 acres of its public lands in tracts of 160 acres, according to the Government Survey thereof.

Said lands are situated in Major, Blaine, Canadian, Lincoln, Kingfisher, Logan, Cleveland and Oklahoma Counties and will be offered for sale in respective County Seats of said counties at the door of the County Court House thereof where County court is held as follows:

Fairview, (Major county), November 8th to 12th, 1915, inc.; Watoma, (Blaine county), November 13th to 17th, 1915, inc.; El Reno, (Canadian county), November 18th to 20th, 1915, inc.; Chandler, (Lincoln county), November 22nd and 23rd, 1915; Kingfisher, (Kingfisher county), November 29th and 30th and Dec. 1st to 3rd, 1915, inc.; Guthrie, (Logan county), December 6th to 8th, 1915, inc.; Norman, (Cleveland county), December 9th to 11th, 1915, inc.; Oklahoma City, (Oklahoma county), December 13th to 16th, 1915, inc.

For Further Information, Address G. A. SMITH, Sec'y. OKLAHOMA CITY, OKLA.

ARKANSAS

GOOD ALFALFA, corn and stock farm for sale. T. F. Chrane, Gravette, Ark.

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.

800 ACRE RICE FARM, equipped, \$35,000. Holman Real Estate Co., Little Rock, Ark.

PINKERTON, the Land Man, Green Forest, Carroll Co., Ark. He has the cheap lands for sale. Write for list.

IF YOU want to learn about Ashley County, Ark., send 10 cents for Hamburg Budget for 3 months. Add. Budget, Hamburg, Ark.

382 A. STOCK, GRAIN AND FRUIT FARM. 120 a. cult., well improved. Good spring. \$12.50. Terms. Farm list. Ward, The Land Man, Mountain Home, 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.

80 ACRES well improved; house, barn; all fenced. 50 acres in cultivation, close to school and church. On public road, 2 miles of county seat. Price \$1,800, half cash, balance 7%. M. S. Park, Clarksville, Ark.

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

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.

800 ACRES in Yell County, Ark., upland. 100 in cult.; all good grass land. Close in. Ideal for stock raising. Price \$3200. F. H. Thompson, Ft. Smith, Ark.

880 ACRES, near Little Rock. 80 cultivated; rich, level land. 1/4 mi. school, graded road. 200 a. fenced; some timber. Land has produced 60 bu. corn per a. \$11.50 per acre. Terms. Dr. Strangways, Little Rock, Ark.

200 A., 2 MI. OF MORRILTON. On good road. 160 cult.; well improved, 35 a. Elberta peaches, 15 a. strawberries. Extra good corn, wheat, and dairy farm. Price \$6,500. Have several choice investments to offer in Arkansas river bottom land. Friely & Neal, Morrilton, 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.

Arkansas 160 acre farm, 40 a. in grass. One 4 room house, 1 1/2 mi. from town. Every acre can be cultivated. \$7.50 acre. Clowdis Land Co., Ashdown, Ark.

SOUTH AMERICA.

JOHN SYNDICATE forming to secure, colonize and stock half million acres, in Bolivia. Less than 5 cents an acre. Absolute title. Rich soil—fine climate. Highest references. P. O. Box 498, Sawtelle, Calif.

FOR SALE OR EXCHANGE

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

FARMS and land to exch. for mdse, or income property. C. L. Kraft, Little Rock, Ark.

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

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

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

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

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

GOOD productive quarter, Woods County, Okla. 1 1/2 mi. state line. No incumbrance. Will trade for equity in Central Kansas farm. W. G. West, McPherson, Kansas.

170 ACRES for exchange for city property. John Deer, Neodesha, Kan.

IF YOU WANT to trade or buy, write Young's Realty Co., Howard, Kansas.

RENO CO FARM, well improved. Fine alfalfa, for western Ks. land. Hugh Conner, Hutchinson, Kan.

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

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

ALFALFA LAND \$55 per acre. 160 acres near Emporia; 7 rooms, large barn, silo, good orchard. Send for list. T. B. Godsey, Emporia, Kan.

MISSOURI

WRITE J. H. Wright, Marshfield, Missouri, for farm lists of good farms.

BARGAINS in high class farm near Kansas City. Some Exo. L. W. Kircher, Cleveland, Mo.

For Sale—Splendid farm 160 a., close in, \$4500. Other farms. R. F. Campbell, Lebanon, Mo.

STOP! LISTEN! 120 acre farm, \$1800. Other farms. McGrath, Mountain View, Mo.

KERAN & WEGNER, real estate, Lockwood, Mo. Write for information, English or German.

160 A. well imp. Well and spring. 60 a. cult., bal. timber. R. F. D. and phone. \$17.50 a. Terms. J. A. Hunt, Marshfield, Mo.

FOR SALE: 125 a. farm, Versailles, County seat 1 mi. \$55 per a. Terms, particulars. Write C. W. Kavanaugh, Versailles, Mo.

40 ACRES good south Missouri land on R.R.; new house, barn, fruit, \$1200. Terms. A. Merriam, Ellis & Benton, Kansas City, Kan.

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.

CENTRAL MISSOURI For farms that will prove profitable and satisfactory, write for list. 100 farms described and priced in Mo.'s best grain and blue grass section. Hamilton & Crenshaw, Box 7, Fulton, Mo.

PLEASANT HOMES IN MISSOURI OZARKS 80 acres, house, barn, spring; only \$700. I own and control 10,000 acres, any size tract. Easy terms, good water, climate unexcelled. Frank Hays, Ava, Mo.

A SNAP. 80 a.; 30 a. in cult.; bal. good timber; 2 room frame house, barn, smoke house; granary, work shop; orchard; cistern; on public road, near school, church, store and P. O. For quick sale only, \$3 per a. Terms on part. H. Crain, Hanston, Mo. (This ad will not appear again.)

WHY PAY RENT? when you can buy eighty acres eleven miles out with fifty acres in cultivation, 2-room frame house, barn, outbuildings, spring, rural route, 1 1/2 miles to store, close to school and church. Price only \$1,600; terms; also other bargains. Write for booklet and list; we have the State Fruit, State Poultry Experiment stations, second largest creamery in state. J. A. Wheeler, Mountain Grove, Missouri.

TEXAS

LIVE AGENTS wanted for Texas Mid-Coast land bargains. Fine colonization proposition. Magill Bros., Owners, Bay City, Tex.

20,000 ACRES for sale; all or part; owned by Ogden Estate. Must be sold at once. Write N. B. Knight, A. Vann, Houston, Tex.

TEXAS MID-COAST offers homes in a mild, healthful, all-the-year growing climate. Nature's sanitarium for rheumatism, asthma, catarrh, nervous troubles. Rich soil, adapted to corn, cotton, stock farming, dairying. Business League, Bay City, Tex.

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.

TO EXCHANGE

For merchandise or western land, improved 560 acres about 50 miles southeast of Wichita. H. C. Whalen, Bittling Bldg., Wichita, Kan.

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 Abstract Co., Ava, Mo.

Want Western Land

80 acre fruit farm Benton County, Arkansas, near Siloam Springs; 40 acres fine bearing apple orchard; balance timber pasture; all good fruit land; small house and barn; school and church across road. Price \$6,000; quick deal. D. W. Willis, 1303 Commerce Building, Kansas City, Mo.

Wanted

We have customers looking for land and ranches in Southwestern Kansas, in exchange for their choice improved income properties in Kansas City, Mo.

Theodor C. Peltzer Inv. Co. 534 Scarritt Bldg., Kansas City, Mo.

Prices Up on Beef Animals

Order Buyers and Packers Paid \$10 For Prime Fed Steers Last Week—Hogs Off a Few Cents

HEAVY purchases on orders from eastern killers, who have been shut out of the Chicago market by various state quarantines established last week, stimulated the market on all killing cattle, grass beef steers 15c to 30c higher, corn-fed steers 35c to 60c higher than the close of the previous week. It is not known how long the present embargo against Chicago livestock will last, but in the meantime the presence of the new buyers in Kansas City is making a very good market. Both order buyers and packers paid \$10 for prime fed steers last week, showing that the competition extends all along the line. Yearlings sold up to \$9.90, choice heifers up to \$9.50, heavy fat cows worth \$6 to \$6.75. Grass steers sold up to \$9, one lot from Chase county at \$9.65, having had a little feed on the grass, middle grades at \$7.50 to \$8.50, cattle above \$8 getting the full advance. Feeders have found a fair outlet, at steady prices, good feeders \$7.25 to \$7.85. Choice stock cattle are about steady, but lower grades are off 25c to 40c, plain off color stockers selling down to \$5.50. Yearlings and 2-year-olds direct from the range sold strong. Panhandles up to \$8.05, Colorados and Utahs largely at \$7 to \$7.65, and good western feeders brought \$7 to \$7.50, a string of common Utah stockers at \$6.15. Oregon, Idaho, Montana and South Dakota were well represented last week, beef steers selling largely at \$6.60 to \$7.75. Quarantine supply has lacked both volume and quality, steers largely at \$5.60 to \$6.50.

Light Hogs Begin to Lose Prestige.

Hogs had a lower tendency the last of last week, although the top price remained at \$3.25 until Saturday, when it dropped to \$3.10, receipts 2,500. Heavy order buying was the feature, eastern killers getting more than 60 per cent of the supply of 36,000 head last week. Heavy purchases by order buyers in Kansas City will continue, of course, until the quarantine against Illinois and Chicago is raised. Apparently light hogs are about to lose some of their prestige, middle weights and heavies gaining on them this week, bulk of sales \$7.50 to \$8. Sheep and lamb receipts were lighter last week, and prices firm. An attempt to bump the market had little success. Prices were strong at the end of the week. Good western lambs at \$8.75, and feeders at \$8 to \$8.35, fat ewes around \$5.50, breeding ewes \$6.00 to \$7.00, feeding ewes \$5

to \$5.65. Demand is ample for fat kinds and also for feeders, and the market should remain firm.

Horse and Mule Market.

Most of the horses and mules moving continue to go to concentration points for the British army. Domestic trade is small. Dealers say prices are unchanged. Receipts in the past seven days were 679 head, compared with 889 in the preceding week and 1,322 a year ago.

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

No Lasting Change in Wheat.

Announcement that a leading expert figures the domestic yield of wheat for 1915 as reaching the record-breaking total of 998 million bushels brought about an immediate downturn in the market although previously quotations had shown decided strength. The early advance had been due mainly to Liverpool dispatches telling of scarcity of supplies and of an excited demand from British millers. After the setback which followed the issue of the bearish crop estimate the market rallied because of large export clearances and because of the slowness with which domestic terminal stocks accumulate. Free selling by leading firms, however, occasioned a fresh decline from which there was no important recovery. Bears in wheat contended that price advances at Liverpool failed to counterbalance the current increases of freight rates on the great lakes and on the Atlantic. Moreover, Winnipeg dealers were said to be negotiating to send liberal amounts of Canadian wheat to Minneapolis.

Corn values went down grade owing to excellent weather and to bearish estimates of the season's crop. Oats followed the action of corn.

Hard Wheat—No. 2, nominally \$1.02@1.07; No. 3, nominally 98c@1.05; No. 4, 92c@98c.

Soft Wheat—No. 2, nominally \$1.12@1.14; No. 3, \$1.10@1.12; No. 4, 82c@95c.

Mixed Wheat—No. 2, \$1.04; No. 3, \$1.01; No. 4, \$1.00.

Corn—No. 2, white, nominally 56 1/2@57c; No. 3, nominally 55 1/2@56c; No. 2 yellow, nominally 57 1/2@58c; No. 3, nominally 56 1/2@57c; No. 2 mixed, 57c; No. 3, 56 1/2c; No. 4, 55 1/2c.

Oats—No. 2 white, nominally 36@37c; No. 3, nominally 34 1/2@35c; No. 4, 34c; No. 2 mixed, nominally 34@34 1/2c; No. 3, nominally 32@33c.

Milo Maize—No. 3, 99c.

Barley—No. 4, 45 1/2c.

Bran—85c.

Shorts—Nominally 98c@1.00.

Corn Chop (city mills)—\$1.11@1.13.

Rye—No. 2, nominally 88c@89c.

Seed—Per cwt., alfalfa, \$14.00@16.50; clover, \$12.50@16.00; flaxseed, \$1.53@1.56; timothy, \$5.50@6.50; cane seed, 90c@1.00; millet, German, \$1.40@1.60, common \$1.00@1.25.

The Kansas City Hay Market.

Total receipts of hay this week were 667 cars, compared with 616 cars last week and 678 cars a year ago.

Quotations follow: Prairie, choice, \$10.50@11.00; No. 1, \$9.00@10.00; No. 2, \$7.00@8.50; No. 3, \$5.00@6.50. Lowland prairie, \$4.00@5.00. Timothy, No. 1, \$12.00@13.00; No. 2, \$9.50@11.50; No. 3, \$8.50@9.00. Light clover mixed, \$10.00@11.00; No. 1, \$8.50@9.50; No. 2, \$6.50@8.00. Clover, No. 1, \$9.00@10.00; No. 2, \$7.00@8.50. New alfalfa, choice, \$13.50@14.00; No. 1, \$11.50@13.00; standard, \$9.00@11.00; No. 2, \$7.00@8.50; No. 3, \$5.00@6.50. Straw, \$6.50@7.00. Packing hay, \$3.00@4.00.

Butter, Eggs and Poultry.

Eggs—Extras, new white wood cases included, 26 1/2c a dozen; firsts, 23 1/2c; seconds, 19c.

Butter—Creamery, extra, 26c a pound; firsts, 24c; seconds, 23c; pound prints, 10 higher; packing stock, 18 1/2c.

Live Poultry—Broilers, under 2 pounds, 15@15 1/2c; springs, 2 pounds or over, 13c; hens, No. 1, 11 1/2c; roosters, young 11c, old 8 1/2c; turkey hens and young toms, 15c; old toms, 13c; ducks, 11c; geese, 6c.

Why Not Use Tile?

"I was surprised," says M. R. Tolstrup in the American Co-operative Journal "to see what a difference there was between the crops on a well tiled piece of land and those on the neighboring fields which had not been drained."

And still one wonders if it would not pay to drain some of those low and swampy soils, for while it might cost from \$20 to \$30 an acre to get them properly tiled, a lot of them would then return from \$5 to \$30 more an acre every year. Even a poor mathematician can figure that it would be a profitable investment.

Have you ever considered that investments in farm improvements, generally speaking, give the highest rate of interest? And this despite the fact that the percentage interest may not be very high.

WISCONSIN

20,000 ACRES cut-over lands; good soil; plenty rain; prices right and easy terms to settlers. Write us. Brown Brothers Lumber Co., Rhinelander, Wis.

WISCONSIN FARMERS.

We offer you partially improved farms. Small houses, small clearing, \$30 an a. and upwards. We also will loan you money to buy cows and pigs. Rich soil, good roads, neighbors, schools; near best of markets. Send for free map and price list. Faust Land Co., Conrath, Rusk Co., Wis.

NEW MEXICO

Wheat Land

\$7.00 an Acre—Easy Terms

Located northwest of Clovis, New Mexico. Wheat on adjoining land averaging 25 to 41 bushels to the acre, high test. Corn, kafir, feterita, and other crops equally as good. Best combined farming and stock raising proposition in this country. Healthful climate. An abundance of pure soft water. Over 10,000 acres sold in the past thirty days. Arkansas Valley Town & Land Co., 421 New England Bldg., Topeka, Kan.

FLORIDA

FREE—The truth about Florida in Florida Highlands Progress, illustrated; 6 months' subscription free. Johnson & Tutt, 838 N. Y. Life Bldg., Kansas City, Mo.

CALIFORNIA

PLACER COUNTY, CALIF. Lands, improved and unimproved. For fruit or stock raising. Large or small tracts. Write to W. W. Rodehaver, East Auburn, Calif.

MICHIGAN

A POSTAL to Hanson & Son, Hart, Mich., brings farm list in best county.

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, 320 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.

Oct. 15—Geo. Lewis & Son, Stahl, Mo.
Oct. 25—P. H. Summers, Callao, Mo.
Nov. 15—W. H. Romjue, Atlanta, Mo.

Percheron Horses.

Nov. 10—H. L. Harvey, Kincaid, Kan.

Shorthorn Cattle.

Oct. 18—E. E. Carver & Son, Guilford, Mo.
Oct. 27—Henry H. Kuper, Humboldt, Neb.
Oct. 28—E. D. Dowell & Son, Hiawatha, Kan.
March 23—Ben Lyne, Oak Hill, Kan., Abilene, Kan.

Holstein Cattle.

Oct. 19—T. A. Gierens, Lincoln, Neb.
Nov. 11—John Leidy, Robinson, Kan.
Nov. 17—J. U. Howe, Wichita, Kan.
Nov. 18—Mott & Seaborn, Herington, Kan.

Hereford Cattle.

Oct. 25-26—W. I. Bowman & Co., Ness City, Kan.

Poland China Hogs.

Oct. 13—W. F. Fulton, Waterville, Kan.
Oct. 15—B. C. Clemens, Holton, Kan.
Oct. 18—E. E. Carver & Son, Guilford, Mo.
Oct. 19—Sigel Brown, Reeds, Mo.
Oct. 20—H. C. Graner, Lancaster, Kan.
Oct. 20—Frank B. Boyd, Jamesport, Mo.
Oct. 21—H. B. Walter, Effingham, Kan.
Oct. 22—Thos. F. Walker & Son, Alexandria, Neb. Sale at Fairbury, Neb.
Oct. 23—J. H. Hamilton & Son, Guide Rock, Neb.
Oct. 24—Fred B. Caldwell, Howard, Kan.
Oct. 27—Fred G. Laptad, Lawrence, Kan.
Oct. 27—Albert Smith & Sons, Superior, Neb.
Oct. 28—T. E. Durbin, King City, Mo.
Oct. 29—J. D. Gurthart, Pattonsburg, Mo.
Oct. 30—J. F. Foley, Oronoque, Kan., sale at Norton, Kan.
Nov. 3—Chas. M. Scott, Hiawatha, Kan.
Nov. 3—J. L. Griffiths, Riley, Kan.
Nov. 4—J. J. Hartman, Elmo, Kan.
Nov. 5—W. R. Webb, Bendena, Kan.
Jan. 18—D. C. Loneragan, Florence, Neb.
Jan. 21—A. F. Blinde and Geo. Brown, sale at Auburn, Neb.
Jan. 25—A. J. Swingle, Leonardville, Kan.
Jan. 26—J. L. Griffiths, Riley, Kan.
Jan. 28—S. E. Wait, Blue Mound, Kan.
Feb. 2—Frazier Bros., Waco, Neb.
Feb. 3—H. J. Beall and Wiscel Bros., Roca, Neb.
Feb. 4—J. A. Godman, Devon, Kan.
Feb. 11—E. A. Nelson & Sons, Malcolm, Neb.
Feb. 15—K. S. A. C. Manhattan, Kan.
Feb. 16—Herman Groninger & Sons, Bendena, Kan.
Feb. 17—H. C. Graner, Lancaster, Kan.
Feb. 17—Ed Sheehy, Hume, Mo.
Feb. 18—H. B. Walter, Effingham, Kan.
Feb. 18—J. H. Hartner, Westmoreland, Kan.
Feb. 23—F. E. Moore & Sons, Gardner, Kan.
Feb. 25—A. J. Erhart & Sons, Ness City, Kan.
Feb. 27—Ben Anderson, Lawrence, Kan.
Feb. 29—B. M. Wade, Burlington, Kan.
March 23—Ben Lyne, Oak Hill, Kan., Abilene, Kan.

Spotted Poland China Hogs.

Nov. 2—Alfred Carlson, Cleburne, Kan.

Duroc-Jersey Hogs.

Oct. 19—Geo. Klusmire, Holton, Kan.
Oct. 27—Fred G. Laptad, Lawrence, Kan.
Oct. 27—J. A. Weishar, Elmo, Kan. (Dillon P. O.)
Oct. 29—Robt. C. Iles, Everest, Kan.
Nov. 3—Martin Kelley, Verdon, Neb.
Nov. 4—E. M. Getchell, Lamont, Kan.
Nov. 8—E. N. Farnham, Hope, Kan.
Nov. 17—J. U. Howe, Wichita, Kan.
Nov. 17—Mott & Seaborn, Herington, Kan.
Jan. 24—Geo. Briggs & Sons, Clay Center, Kan.
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.

C. E. Dowsy, Oxford, Kan., has a fine lot of purebred Hampshire hogs and can supply you with breeding stock of all ages. You will find in what he has to offer the best blood of the breed; belted, true to type and every hog immuned.—Advertisement.

Caldwell's Poland China Sale.

Fred B. Caldwell, Howard, Kan., will sell at auction at Elkmore Farms, near Howard, Saturday, October 23, a draft of 50 large type Poland Chinas, consisting of 30 spring boars, eight choice spring gilts and 12 unusually good open fall yearling gilts. These fall gilts would be an attractive feature in any sale. They will make great herd sows. The sire of most of this offering is the unusually large and excellent sire Elkmore's Jumbo, a line bred A. Wender boar, that should have been fitted for the show this season. They are out of sows

that carry the blood of Big Hadley, Gold Metal, M. Giant Wonder, Expansion, Tecumseh and other noted sires. Mr. Caldwell has a large herd and this offering has been selected for his brother breeders and farmers with a view to their future usefulness. Write today for a catalog and arrange to attend. Please mention Farmers Mail and Breeze.—Advertisement.

Duroc Boars and Glits.

G. B. Woodell, Winfield, Kan., is offering for quick sale, a nice lot of spring boars and glits. They are the choice from over 65 head of his early spring crop and if you want a start in good young gilts or a young boar that will do your herd a lot of good write him what you want. These hogs are fashionably bred and are strong in the blood of such sires as Good E. Nuff Again King, Graduate Col., and other sires of note.—Advertisement.

Immuned Duroc-Jersey Hogs.

J. A. Reed of Lyons, Kan., is offering 10 big, stretchy spring boars and glits of February and March farrow. These pigs are sired by grand champions of three states. He is also making special prices on fall pigs. Note his advertisement in this issue and write him if interested in Durocs that are strictly up to the minute in breeding.—Advertisement.

Bowman & Co.'s Great Hereford Sale.

W. I. Bowman & Co., Ness City, Kan., want to send their Hereford sale catalog as a greeting and invitation of welcome to every breeder of Herefords and lover of the "White Face," who reads this paper. The catalog of the offering for their October 25 and 26 sale is now ready to mail, and the man who reads it and is disappointed in the offering will be furnished a free ticket home. W. I. (Billy) Bowman, the hustling partner in this company, should be an inspiration to every cattle breeder who reads the history of this great herd. Only a little over seven years ago with an asset consisting mostly of nerve and a born cattle instinct Billy took over a partnership in a \$27,000 proposition, consisting of land and cattle, which today involves at close to \$150,000 with his half of the original proposition taken mostly on the installment plan, entirely discharged. The herd under his management consists of over 700 head purebred Herefords of the best of breeding and with such size, bone and quality that it is hard to make the breeder and cattleman of the eastern sections of the state understand it is possible that such a herd should be located in Ness county. From this herd, 120 head of registered Herefords have been selected for this sale, 40 males and 80 females, that would do credit to many a breeder of enviable reputation. Read display ad before you lay this paper down and send your name today for catalog.—Advertisement.

Durocs of Correct Type.

J. H. Sullivan, Mangum, Okla., has one of the best herds of Duroc-Jersey hogs the writer ever saw. The most notable feature and one that most impresses visitors to the Elm Valley Stock Farm is the large per cent of unusually good hogs in the herd. But this is not surprising when the facts regarding the founding of the herd are known. Mr. Sullivan is an apt pupil of W. A. Williams, Marlow, Okla., one of, if not the most, constructive breeders of Durocs in the entire West, whose ambition has not only been to grow and develop a type of Durocs that have winning quality but the kind with deep sides, high arched backs, splendid quarters, large bone and stretch, handsome headed, easy-fleshing and quick maturing as well. Mr. Sullivan's herd boar, Select Muncie, by Select Col., was junior champion. His dam, Waveland May, was the dam of the grand champion, Col. Master, and he has proved himself a wonderful sire and especially so when crossed with such splendid herd sows as Silk Lady, Master's Queen and a number of splendid daughters. Three of the three grand champions, Master Col. II, sows which are being used in Mr. Sullivan's herd. Mr. Sullivan has a large number of unusually good spring boars, many of them herd header and show prospect material, also others, the kind any farmer can afford. He is pricing them reasonably and whoever gets one of these good boars can count himself lucky.—Advertisement.

N. Kansas and S. Nebraska

BY JOHN W. JOHNSON.

October 27 is the date of the J. A. Weishar Duroc-Jersey sale at Elmo, Kan. Remember that Mr. Weishar gets his mail at Dillon postoffice. In this sale, Mr. Weishar will sell 250 head of registered and eligible to registry Duroc-Jerseys. It is probably the largest sale of registered Durocs ever held in the state. You can write him any time to book you for a catalog. Address him at Dillon, Kan., and mention the Farmers Mail and Breeze.—Advertisement.

John Leidy, Robinson, Kan., one of the best known Holstein breeders and dairy men in northern Kansas, has decided that he is working too hard and will sell his entire herd on November 11. For 12 years he has been shipping around \$3,000 worth of sweet cream to St. Joe annually. His herd was developed to the last cow on his farm 6 miles north of Robinson, where the sale will be held. It is a wonderful working herd of Holsteins and you want to keep this sale in mind. Mr. Holstein buyer, it will be advertised in the Farmers Mail and Breeze in due time.—Advertisement.

The Linscott herd of Jersey cattle at Holton, Kan., was established in 1878 and was the first register of merit herd in Kansas. R. J. Linscott is one of the recognized Jersey cattle authorities in the West. The great bull, Oakland's Sultan 1st, formerly in this herd, the first register of merit sire in Kansas is dead, but you can buy for a short time one of his heifers at \$100. Look up the advertisement in the

dairy section in this issue and write immediately. Mr. Linscott's herd is one of the oldest and strongest in the West and a mighty good place to buy.—Advertisement.

Choice Poland China Boars.

W. A. McIntosh, Courtland, Kan., is offering 10 Poland China March boars for sale at \$25 each. They are so good and so cheap at this figure that he is offering to ship them on approval. That is the way he has been doing anyway. He has only reserved for sale and wants to move them quick at his price. They are by Orange Wonder 2d and all are immune. The breeding is strictly of the larger type.—Advertisement.

Boars by a Champion.

Arthur Mosse, Rural Route 5, Leavenworth, Kan., is offering some choice Chester White, March and April boars for sale. They are extra choice and everything Mr. Mosse sells can be registered in all associations. He is sold out of gilts but is now ready to price an unusually choice lot of spring boars at attractive prices. If you need a good herd boar write Mr. Mosse about these boars. They are of the best of breeding and were sired by the grand champion boar at the Topeka fair last year. Write him today for prices and descriptions.—Advertisement.

Attend This Sale.

This is the last call for George M. Klusmire's annual draft sale of Duroc-Jersey boars and glits. The sale will be held at Pleasant Home Farm, the home of the Klusmires, and it is only a few miles out to the sale. You can come on morning trains and leave on evening trains. The offering is splendid. If you have not already written for the catalog do so at once and plan to go to this sale. Mention the Farmers Mail and Breeze when you ask for a catalog. Look up the advertisement in this issue.—Advertisement.

Dispersion Sale of Poland.

This is the last call for W. F. Fulton's big dispersion Poland China sale at Waterville, Kan., Wednesday, October 13. In this sale Mr. Fulton is selling his entire herd and about 75 head go. Everything will be sold and it is a great opportunity to buy. Look up the advertisement in this issue and plan to be at this sale. Early spring boars, four herd boars, yearling and 2-year-old sows that have had litters. There are lots of attractions in this sale. If you can't come send your bids to J. W. Johnson, in care of Mr. Fulton.—Advertisement.

Taylor's Shorthorn Bulls.

C. W. Taylor, Abilene, Kan., has for sale nine Shorthorn bulls that are from 1 year old up to 17 months. They are reds and roans and very desirable in every way. Also three young fellows that are 1 year old now. All of these bulls are Scotch topped with excellent ancestry. They are to be seen at Mr. Taylor's farm near Pearl, which is close to Abilene. Mr. Taylor will be glad to take you to the farm any day from Abilene in his car. Write him for descriptions and prices and tell him when to expect you. He also has about 50 spring calves for the fall and winter trade.—Advertisement.

King of Kansas Offering.

J. L. Griffiths, Riley, Kan., will sell 20 boars and 20 gilts, all of March farrow, in his annual boar and gilt sale at his farm near Riley, Kan., November 3. They were sired by King of Kansas and Long Jumbo Jr. King of Kansas is known in Poland China circles as the sire of a number of prominent herd boars and Long Jumbo Jr. as the sensational boar Mr. Griffiths bought in the H. B. Walter sale last October. The offering by these two great sires on November 3 is one of the best to be made in central Kansas this season. The sale will be advertised in the Farmers Mail and Breeze. You can ask him for a catalog now.—Advertisement.

Poland Sale at Holton.

Friday, October 15, is the date of O. B. Clemetson's annual sale of Poland Chinas and this is the last call for the sale. Forty head go in the sale, 25 boars and 15 gilts. They are a carefully selected lot of young boars and gilts that will prove one of the real attractive offerings of the season. They are the larger type breeding and will meet with your approval if you attend this sale. The farm, where the sale is to be held, is only about 5 miles out and you will be taken out to the sale and returned in time for evening trains, free of charge. Free hotel accommodations at the Sutherland in Holton. If you can't come send bids to J. W. Johnson, care of Mr. Clemetson, Holton, Kan.—Advertisement.

Special Berkshire Offering.

R. J. Linscott, Holton, Kan., breeds registered Berkshire hogs and is offering for sale 25 selected March gilts, bred or open, and 10 yearling and 2-year-old sows either bred or will hold and breed them to your order. The breeding is all that could be desired. The 25 gilts are by Robhood 19th 165505. Many of the yearling and 2-year-old sows are by the Imp. Baron Compton 89195 that was selected at Mr. Vincent's place, Compton, Eng., and was out of Compton Baroness, the largest sow in England. These sows and gilts are the tops of 150 head and are all first class. Mr. Linscott has a new herd boar to which these sows will be bred. Write today for prices and descriptions.—Advertisement.

Great Holstein Herd Bull.

F. J. Searle of Oskaloosa, Kan., makes a special announcement this week in the Farmers Mail and Breeze in offering the great herd bull, Paula of Chagrin Falls King (No. 61243), for sale. He will be sold with an absolute guarantee in every respect. He is a splendid sire and Mr. Searle says he is easily worth \$1,000, but just one-fourth of that will buy him. He is sold simply because Mr. Searle had already bought a 30-pound bull before procuring this bull. He can't use both of them and this fellow is for sale at that price. He is 5 years old and is a splendid individual and is said to be almost an exact counterpart of his illustrious sire in color and general conformation. He was sired by one of the great Prilly-Walker sires, King Walker, whose dam, Lillian Walker Pieterie, (38.01 lb.) is one of the four 30-pound cows to have a 30-pound dam and a 29-pound daughter. He is a full brother to the great producing 2-year-old, Paul of Chagrin Falls 4th. He is a sire

LIVESTOCK AUCTIONEERS.

FLOYD CONDRAY, Stockdale, Kansas
Livestock auctioneer. Write for open dates.

R. L. Harriman, Bunceton, Mo.
Selling all kinds of pure bred livestock. Address as above.

Spencer Young, Osborne, Kan.
Livestock Auctioneer. Write for dates.

John D. Snyder AUCTIONEER, successfully sells pure bred live stock, real estate and general sales. HUTCHINSON, KAN.

Rule Bros., H. T. & R. D., Ottawa, Kan.
Livestock sales a specialty. Write for dates.

WILL MYERS, Livestock Auctioneer
BELOIT, KANSAS. Ask the breeders in North Central Kansas. FOR DATES ADDRESS AS ABOVE.

Jas. T. McCulloch, Clay Center, Kan. References: I am selling for every year. Write for open dates.

BURNETT BROS. LIVESTOCK AND FARM SALES. CHERRYVALE, KANSAS

Learn Auctioneering
At World's Original and Greatest School and become independent with no capital invested. Every branch of the business taught in five weeks. Write today for free catalog. JONES NATIONAL SCHOOL OF AUCTIONEERING. Carey St. Jones, Pres., 50 N. Sacramento St., Chicago, N. H.

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Travel over the country and make big money. No other profession can be learned so quickly, that will pay as big wages.

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Sell your farms and city property at auction, as well as your pedigreed livestock. Write either for dates. Also instructors in

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HEREFORDS.
Registered horned and double standard polled
Hereford Bulls For Sale
Also a few horned heifers. JOHN W. LEWIS, LARNED, 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. HALLORAN & GAMMILL, Ottawa, Kansas

RED POLLED CATTLE
BEST OF BLOOD LINES and cattle that will please you. Cows, heifers and young bulls, at attractive prices.
I. W. FOULTON, MEDORA, KAN.

Riley County Breeding Farm
75 Red Polls, 45 Percherons
A choice lot of young bulls for sale. 12 of them by a son of Crema, the 18 times champion. Visitors welcome. Farm near town. Address
Ed Nickelson, Owner, Leonardville, Kansas

ABERDEEN-ANGUS.
Aberdeen Angus Cattle
Herd headed by Louis of Viewpoint 4th. 150624, half brother to the Champion cow of America.
Johnson Workman, Russell, Kan.

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.

SHORTHORNS.
Shorthorn Bulls For Sale!
Six heifers, two-year-olds. Reds and roans.
L. M. NOFFSINGER, OSBORNE, KANSAS

Pure Bred Dairy Shorthorns
Double Marys (Fleischschaff Strain) and Rose of Sharon families. Registered Poland Chinas. Breeding stock for sale. Address R. M. ANDERSON, Beloit, Kansas

Shorthorns 20 bulls and heifers sired by Duchesne Searchlight 34829. a 2500 pound bull, and from cows weighing 1400 to 1600 pounds. Good milkers. Come or write. A. M. Markley, Mound, Kansas

Pearl Herd Shorthorns

Valiant 346182 and Marengo's Pearl 391962 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

GALLOWAYS.

CAPITAL VIEW GALLOWAYS

Bulls from 6 months to 2 years; also a few females of modern and quick maturing type.

G. E. Clark, Topeka, Kan.

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, Ka.

DAIRY CATTLE.

Holsteins For Sale high bred registered bulls ready for service. N. S. ANSPACKER, JAMESTOWN, KANS.

HOLSTEINS A few choice registered young bulls for sale at prices that are right. Higginbotham Bros., Rossville, Kansas.

JERSEYS Car load of heifers fresh and heavy springers. CHAS. H. REDFIELD, Bucklin, Kan.

Fine Yearling Bull, Holstein with A.R.O. backing. Well marked, mostly white, kind and gentle. E.J. Castillo, Independence, Kan.

QUIVERA PLACE JERSEY CATTLE Duroc-Jerseys. 8 young bulls of choice breeding for sale. Address E. G. MUNSELL, Herington, Kansas.

Jersey Cattle Bulls and boars for sale. **Dornwood Farm** Chester White Hogs Topeka, Kansas

Segrist & Stephenson, Holton, Kansas Prize winning registered Holsteins. Bulls from three months to yearlings for sale. Address as above.

Sunflower Herd Holsteins Paula of Chagrin Falls King No. 61234 is for sale. Worth \$1000 but one-fourth of that buys him. F.J. Searle, Oskaloosa, Ka.

BRAEBURN HOLSTEINS 20 years breeding, with better sires at every change. Write me for bull calves with this backing. H. B. Cowles, Topeka, Kan.

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**

Registered Brown Swiss Cattle I have some extra fine bull and heifer calves, also some fresh cows and heifers. Write me your wants or call and see my herd. **J. C. Hildrith, Billings, Missouri**

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**

Maplehurst Guernseys! Choice registered and grade cows and heifers for sale. A registered herd bull for sale or trade. **A. P. BURDICK, NORTONVILLE, KANSAS**

Some of the best Holstein breeding stock can be purchased at the **TREDICO FARM, KINGMAN, KAN.** PRODUCTION, BREEDING, Tuberculin Tested Herd

LINSCOTT JERSEYS First Register of Merit herd in Kansas. Est. 1878. Oaklands Sultan, 1st. Register of Merit sire in Kansas, is dead. Last chance to get one of his daughters, \$100. **R. J. LINSCOTT, HOLTON, KAN.**

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.**

High-Grade Holsteins and Guernseys Nine 2-year-old Holstein heifers, mostly white, a fancy lot. Will freshen this fall and winter, two fresh now. A number of better bred Holstein cows from 3 to 6 years, heavy milkers. Twenty-six extra fine Guernseys ranging from yearlings to mature cows, very fancy and large producers. Will sell singly or in car lots. All tuberculin tested. **W. H. COLLING, 1313 East Twelfth Ave., Phone 559, Winfield, Kan.**

PURE BRED HOLSTEINS Bull calves all sold. We have 10 or 12 high grade cows and heifers that we will sell. These are all first class. - Selling to make room for purebreds. **SHULTHIS, ROBINSON & SHULTZ Independence, Kansas**

BERKSHIRES.

Hazlewood's Berkshires Spring boars, bred gilts—immune: priced to sell. **W. C. HAZLEWOOD, WICHITA, KANS.**

High-Class Berkshires Winter and spring pigs of either sex and outstanding boars a specialty. Write **J. T. BAYER, YATES CENTER, KANSAS**

25 March Gilts Bred or open. 10 yearling and two year old sows, bred to order or open. **E. J. LINSCOTT, HOLTON, KANSAS**

of great dairy type and is sure to prove of great value to most any herd that needs him. Mr. Searle will lease him to a responsible breeder if he is not sold soon. This is one great opportunity to the Holstein man looking for a great sire at a price far below his real worth. Write Mr. Searle at once for further information about him and if you can, visit the herd and get the information first hand. Look up the advertisement in this issue of the Farmers Mail and Breeze.—Advertisement.

Walker's Annual Fall Sale.

This is the last call for the Thos. F. Walker & Son Poland China sale at Fairbury, Neb. The Walkers are well known Poland China firm at Alexandria, Neb., who always make their annual boar and gilt sale and their bred sow sales at Fairbury to better accommodate their trade. Their offering on October 22 is one of unusual merit and 40 head are boars. The balance are gilts and all are immune. They are by Blue Valley A Wonder and out of big mature sows. It is an offering that is worthy all the way through. Kansas breeders can attend this sale conveniently as the best of railroad facilities are to be had in and out of Fairbury via Belleville. Write for the catalog today and mention the Farmers Mail and Breeze when you write. Look up the advertisement in this issue.—Advertisement.

Blue Ribbon Holstein Cattle.

Segrist & Stephenson, Holton, Kan., own one of the real strong herds of Holstein cattle in the state. At the Topeka State Fair this season they won first and second on aged cows and also senior and grand championship. At the Kansas State Fair at Hutchinson they won all of the blue ribbons but one. They are breeders of registered Holsteins and not speculators. They selected their foundation cows from the best herds in the country and many of the choice cows came from the Searle herd at Oskaloosa, Kan. At Holton's stock show last week they showed a fine string of cattle and attracted much favorable attention to their great young herd. Their farm joins town and you are always welcome at the farm at any time. At present they have a few young bulls for sale. Write them for prices and descriptions.—Advertisement.

Graner's Fall Poland Sale.

Wednesday, October 20, is the date of H. C. Graner's annual Poland China boar and gilt sale. The sale is always held at the farm which is 2 miles north of town. The offering on this date numbers 50 head and there are 30 boars and 20 gilts, all of March farrow. Most of the offering was sired by Long King's Best and A Wonder's Equal with a few by Moore's Halvor. There will be two very choice gilts in the sale by Big Bob Wonder and four boars and two gilts by Superba, the grand champion junior yearling boar last year. Mr. Graner is one of the pioneer hog men in Atchison county. He has made lots of sales but this is without doubt the best offering of boars and gilts he has ever made. They are not loaded with fat but have been grown on plenty of pasture and are a choice lot of exceptionally choice boars and gilts. You can't help voicing your approval of them if you attend this sale. If you can't come send bids to J. W. Johnson in care of Mr. Graner and your interests will be carefully guarded.—Advertisement.

Walter's Poland China Sale.

Thursday, October 21, is the date of H. B. Walter's big annual Poland China boar and gilt sale. It is truly a sale of great attractions. Twenty head of the offering were sired by Big Bob Wonder conceded one of the greatest yearlings of the breed. Fifty head will be sold and 29 of them are February and March boars and 19 gilts of the same age and breeding. There will be two tried sows sold as special attractions and both are valuable producing sows. One is Big Lady Jones, a half sister to Big Price, the first in junior class at Lincoln this year and grand champion at Topeka. The other is Kansas Queen, a 2-year-old sow the dam of eight head of this offering. There will be a fine litter of six by Long Jumbo 2d, the top of the world's record big type litter that sold in Mr. Walter's sale one year ago. Also another good litter by Long Jumbo Jr. of the same litter. There are two boars by Moore's Halvor and out of Big Lady Wonder, the dam of the world's record litter. Everything is cholera immune. Write to Mr. Walter at once for his catalog. Mention the Farmers Mail and Breeze when you write.—Advertisement.

Special Prices on Durocs.

Mott & Seaborn, Herington, Kan., are offering for private sale 15 Duroc-Jersey tried sows, bred to farrow this month. They want to move them soon and will make attractive prices on them. They also have for private sale 25 fall yearling gilts, bred or open, or will hold and breed to order. November 17 is the date of their big Duroc-Jersey boar and gilt sale. They will sell about 50 choice spring boars and gilts in this sale. Most of them were sired by the great boar Gelman's Good Enough, by the grand champion, Good E Nuff Again King. The fall gilts they are offering at private sale were sired by this great boar. The entire herd is immune and in fine condition. They have been handled and fed by an expert and will be sure to prove profitable investments to their purchasers. Further announcements concerning their big two days' sale, November 17 and 18, will be made later in the Farmers Mail and Breeze. On the 17th they will hold the boar and gilt sale and on the 18th the Holstein sale in which they will sell a choice lot of Holstein cattle. In the meantime write for prices on Duroc-Jersey bred sows and fall gilts. They want to move them quick.—Advertisement.

The Jackson County Fair.

The fourth annual Jackson county livestock show at Holton, Kan., last week was a big success. It was a big "free fair" and the show was held on the newly paved streets around the "square" and all the exhibits were comfortably housed in tents. One of the largest carnival companies in the West furnished plenty of entertainment for the visitors. All of the bands of Jackson county playing under Holton's famous band leader was another attraction. The streets and business houses were gaily decorated and there was every evidence that Holton's business men were playing their part in the game of making Jackson county stock show a success. The town was full of visitors every day. Among the exhibitors of purebred stock were Chestnut & Son, of Denison, with Holstein cattle and Chester White hogs; George McAdams, Hol-



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 J. C. Robinson, Towanda, Kansas prices and descriptions.

Lookabaugh's Shorthorns

We base our success on the success of our customers.

More and Better Shorthorns Than Ever Before

Herd Bulls in Service: Fair Acre Sultan, Avondale's Choice, Watonga Searchlight, and Gloster's Cumberland.

The blood blended in these sires has won in the leading American shows for the last 20 years.



Our Breeding Females consist of a large list from the very best families that carry the blood of a long line of prize-winning ancestors.

Blood will tell: We can sell you this good breeding at prices you can afford.

The Farmer's Cow The Shorthorn cow is the farmer's cow because she is best adapted to farm needs. She has been bred for milking purposes after generation and will furnish milk for her calf with a surplus to spare to make butter for the family, milk for the table and some for the pigs. Her calf has inherited a tendency to supplement this milk diet with the rough and waste feeds of the farm and the sum total for milk and beef in net gain to the farmer is more than is produced by any other than Shorthorns.

Write today for particulars regarding what you want. Visitors always welcome. **H. C. LOOKABAUGH, WATONGA, OKLAHOMA**



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**

GIERENS' ANNUAL HOLSTEIN CATTLE SALE

At Farm six miles East of Lincoln, Nebr.,

Tuesday, October 19, 1915

75 HEAD—THE BEST WE EVER OFFERED—75

8 Registered bulls out of our very best cows, some of them with A R O records. 20 Registered cows and heifers.

50 Cows and heifers, practically purebred, but not eligible to registry. The females will all be in milk or due to freshen soon, sired by and bred to our great bulls including two sons of Katy Gerben. These cattle were all raised on our farms and are a splendid lot in every way. Free transportation to and from farm. Write now for catalog.

T. A. GIERENS, LINCOLN, NEBRASKA

Auctioneer—Z. S. Branson. Fieldman—Jesse Johnson.



HOLSTEIN HEIFERS

Springers, coming 2 and 3 years, single lot or car loads. Also a few registered and high grade bulls, ready for service. Wire, phone or write.

O. E. TORREY, TOWANDA, KANSAS

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 International Champion PINK and from BESIGUE mares. 20 young registered mares for sale. Just above Kansas City. **FRED CHANDLER PERCHERON RANCH, R. 7, CHARITON, IOWA.**



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**

O. I. C. HOGS.

Immured O.I.C.'s April pigs \$15; July pigs \$10. Booking orders for Sept. pigs from my best sows. **A. G. Cook, Luray, Ka.**

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.)**

Kansas Herd Chester White Hogs

March boars, by grand champion boar at Topeka last season. Eligible to registry in all associations. Prices reasonable. **Arthur Mosse, R.F.D. 5, Leavenworth, Kan.**

O. I. C. HOGS.

Western Herd O. I. C. Hogs A splendid herd boar for sale. Also spring boars and gilts in pairs and trios not related. **F. C. GOOKIN, Russell, Kan.**

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.**

Pleasant Vale Herd O. I. C. Hogs

Tried sows bred for September and October farrow. Fall gilts for sale, open. Also a few fall boars. Spring pigs, both sexes. **Chas. N. Snyder, Effingham, Kan.**

Alma Herd "Oh I See" Hogs of Quality

A trial will convince you; anything sold from eight weeks on up. All stock shipped C. O. D. on receipt of \$10. Write for price list. **HENRY FEHNER, ALMA, MISSOURI**

HAMPSHIRE

REGISTERED HAMPSHIRE 100 gilts and boars, all ages. Cholera immune. Description guaranteed. C. E. LOWRY, Oxford, Kan.

Hampshire Hogs The large prolific type; best of breeding. Special prices on young boars. Breeding stock for sale. ROY N. RUNYON, DECATUR, INDIANA

C. T. Drumm & Sons, Longford, Kansas. Spring pigs either sex. Hampshire or Spotted Poland Chinas. Also a three-year-old Hereford herd bull. Address above.

Shaw's Hampshires

100 registered Hampshires, all ages, nicely belted, best of breeding, all immune double treatment. Satisfaction guaranteed. Priced to sell. WALTER SHAW, R. 6, Wichita, Kan.



POLAND CHINAS.

Spring Boars by King Hadley Large, big-boned, growing, smooth kind. Must sell quickly. Write J. B. MYERS, GALVA, KANSAS

Immune Boarson Approval 10 extra choice Poland China boars at \$25 each on approval. Write W. A. McIntosh, Courtland, Kan.

POLAND CHINAS

Pigs—big type—pedigreed. Pairs and trios. Shipped on approval. Davis Bros., Box 12, Lincoln, Nebr.

SPRINGBROOK POLANDS—D. S. POLLED DURHAMS Young stock for sale; some herd headers. Write for prices. T. M. WILLSON, Lebanon, Kan.

Poland Pigs sired by grand champions and out of prize-winning sows. Same breeding I am doing for the San Francisco show. W. Z. BAKER, RICH HILL, MISSOURI

BIG TYPE POLAND CHINAS

I will sell choice big boars and gilts at \$20 each, or three not related for \$50. Bred sows \$25 to \$35. Everything is immune and I guarantee absolute satisfaction. ED SHEEHY, HUME, MISSOURI.

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

Andrew Kosar, Delphos, Kan.

For Sale: One last fall yearling boar, two gilts to farrow in Sept. and Aug.; also March and April pigs, both sexes. No public sales. Address as above

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

Elkmore Farm Poland Chinas

Large type blood lines. Herd headed by the thousand pound Elkmore's Jumbo, assisted by O. U. Wonder, by Giant Wonder, by A Wonder. Breeding stock for sale, reasonable. Fred B. Caldwell, Howard, Kan.

Enos Mammoth Polands

3 fall boars; herd headers. 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

Original Big Spotted Polands

BIG BOAR AND GILT SALE NOV. 2. Top March and April boars and gilts reserved for this sale. Fall pigs, both sexes at private sale. ALFRED CARLSON, CLEBURNE, KAN.

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

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.

Original Big Spotted Polands

20 March boars—20 March gilts. Tops of 100 head. 15 fall gilts bred or open. The big litter kind. Address R. H. McCUNE, Longford, (Clay Co.) Kan.

Private Sale

75 big type Poland China boars and gilts of March farrow. Nothing but good ones offered. No public sales. Prices right. Address John Coleman, Denison, Ks. (Jackson County.)

Erhart's Big Type Polands

We will be pleased to meet all our old customers at the fairs again this fall. Will have along a nice assortment of breeding stock for buyers. Look up our pens and talk big type with us. A. J. Erhart & Sons, Ness City, Kan.

HOG CHOLERA

Our FREE BOOKLET explains—
HOW TO TELL HOG CHOLERA
WHEN TO USE SERUM ALONE
WHEN TO USE SERUM AND VIRUS
HOW AND WHEN TO VACCINATE
Address Wichita & Oklahoma Serum Co.,
Stock Yards, Wichita, Kansas.

in the pink of condition. And talk about "big, husky boars and long roomy gilts"—you will find plenty of them in this sale. Last winter Mr. Brown went into Iowa and Nebraska and bought a lot of fine big sows, bred to the kings of the big type, and now he is offering you a fine lot of pigs by them. The offering will consist of 18 boars and 22 sows and gilts. There will be five grand champion Big Timm and out of Long Lady 3d, by Long Wonder, and eight others by Big Timm and out of Big Bone Jumbo's Maid, by Big Jumbo. These Big Timm pigs are about the last word in big type Polands. Others are as follows: Four by Scribner's Best, out of Long Wonder Maid, by Long Wonder; four by Longfellow's Pride, out of Miss Smooth Wonder, by Big Wonder—some extra good ones here; four by Big Smooth Price, out of Lady Whiteface, a granddaughter of Miller's Chief Price; five by Long Wonder, out of Timm's Price. There will be a litter out of Miss Leader, sired by A Wonder Joe. In this litter are four sows and one boar; three of these gilts will be bred to one of the best boars of the litter just mentioned. Summing up the blood lines we have a grand combination of the following: Big Timm, Grand Leader, A Wonder Joe, Long Wonder, Big Bone's Jumbo, Scribner's Best, Big Wonder, Big Smooth Price, Miller's Chief Price, Expansion Mc Grath's Jumbo, Longfellow Price and others. Where are you going to go to beat it? Over \$1,000 was invested in these sows. You will not be disappointed when you see them. You should have a catalog to fully appreciate the good things offered in this sale. Write for one today and please mention this paper when doing so. We urge you to attend this sale but if it is impossible for you to attend in person, any bids you send to the fieldman of this paper (C. H. Hay) will be given the best possible attention.—Advertisement.

Publisher's News Notes

A light tractor that has made a splendid impression upon those who have seen it at the tractor shows or fairs is the "All Work" light tractor made by the Electric Wheel Company, Quincy, Ill. It is adapted for pulling three plows. All who have seen it have been hearty in their praise of the work it does. It is light and strong. It is made by a famous company that always has turned out high class implements. The wagons and wagon wheels of the Electric Wheel Company are of course well known to farmers everywhere. The All Work tractor is certain to grow into the same kind of favor. Write for a catalog to the Electric Wheel Company, Box 30A, Quincy, Ill.—Advertisement.

Majestic Range Wins Gold Medal.

The gold medal has been given by the Panama-Pacific Exposition to the manufacturers of the Majestic range. This is not the first time the Majestic range has won such a victory. It has gotten into the habit of winning grand prizes at the world's fairs for nearly a quarter of a century. In fact it has never failed to win them. It is evident to the most prejudiced mind that this betokens an article of extraordinary and unquestionable merit. It is admitted to mean much when such a prize is won even once; but when the winning is repeated year after year, and when the judges are chosen from the most proficient men in their line from all the four quarters of the globe, the Majestic range people are justified in their contention that they make the very best range on earth. The Majestic range is manufactured by the Majestic Mfg. Company, Dept. 229, St. Louis, Mo.

For Better Kansas Houses.

There is much of genuine value to the farmer-builder in the advertising of the Southern Pine association, represented regularly in this paper. In its campaign of publicity, designed to emphasize the good qualities of southern yellow pine for general building and repairs, the association has prepared a number of booklets and building plans, the work of experts, which are sent free to anyone who writes for them. There is much in this material to inform and aid the prospective user of lumber, whether he contemplates erecting a barn, silo, hog house or other building, or merely plans a few "odd jobs." The association's silo book, "How to Choose and How to Use a Silo," is the publishers assert, the most practical work of the kind ever printed. It explains fully just how silage should be handled and fed, with cost estimates and tables of capacity of silos. There is no theorizing or speculating in this book—the information it gives is based on actual experiences of silo users; and while it advocates wood silos, the sections devoted to growing, storing and feeding silage will be helpful to users of every kind of silos. The building plans give complete working designs for barns, bins, hog houses, poultry houses, feed racks, tanks and numerous other farm structures, with specifications, lumber bills and cost estimates. The number of these is being added to continually, the purpose being ultimately to provide plans suited to the needs of all classes of farmers, big and little. Another feature of the association's free service is that of aiding and advising any user of southern yellow pine in individual building problems. Requests for these free publications should be addressed to the Southern Pine association, Inter-State Bank Building, New Orleans, La.

The Cover This Week

The cover this week is a scene on the farm of H. C. Lookabaugh of Watonga, Okla., who is a Shorthorn breeder, and the owner of the famous Fair Acre Sultan. The man nearest the tree is W. L. Carlyle, dean of agriculture in the Oklahoma A. and M. college, while the man farther away is Mr. Lookabaugh. The Pleasant Valley Stock farm, which is the name of this place, is taking a big part in the remarkable progress of the Shorthorn breed.

The man who works long hours works better when he has a cool, comfortable bed in which to sleep.

Watch the milk flow and turn on the feed!

Fulton's Dispersion Poland Chinas!

Waterville, Kansas Wednesday, October 13

About 75 head go in this sale and marks the end of one of the strongest herds in the State.

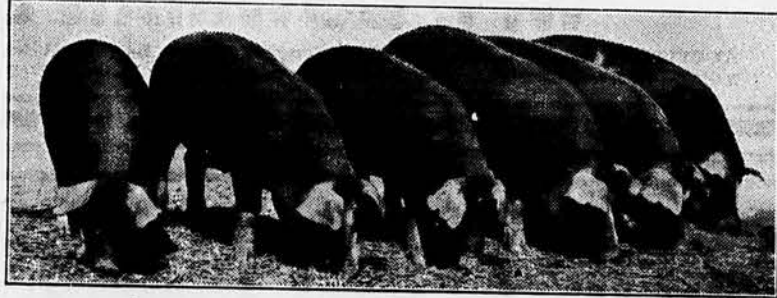
The offering consists of 24 spring boars, March and April farrow, with a few good ones of February farrow, 23 gilts same age, 14 tried sows, spring yearlings and two-year-olds, with the exception of a very choice sow by Bell Boy and out of Lady Mastodon 8th. She is bred to farrow soon after the sale. The other sows represent such breeding as old Hutch, A. Wonder, Chief Price, All Look and a mingling of Expansive and other breeding. Also four herd boars that are good and tried breeders. Sale in town. Catalogs ready. Send bids to J. W. Johnson, care of W. F. Fulton.

W. F. FULTON, Waterville, Kan.

Free hotel accommodations for breeders at Weaver Hotel.
Aucts.—Jas. T. McCulloch, A. L. Albright, J. W. Johnson, Fieldman.

Graner's Boar and Gilt Sale

50 Good Ones—30 Boars—20 Gilts. At the Farm Near Lancaster, Kan., Wednesday, Oct. 20



An August Picture of Six Great Gilts in This Sale.

All are of March farrow and all are by Long King's Best, A Wonder's Equal and Moore's Halvor with the exception of two good gilts by Big Bob Wonder and four boars and two gilts by Superba, last year's grand champion junior yearling. The boars and gilts in this sale have been selected from a large number and are exceptionally choice. It is an offering second to none in the West this season. Not loaded but in splendid breeding form. Catalogs ready to mail. Send bids to J. W. Johnson in care of Mr. Graner.

H. C. GRANER, Lancaster, Kan.

AUCTIONEERS—H. S. Duncan, C. M. Scott.
H. B. Walter sells Poland Chinas at Effingham the day following.

H. B. Walter's Annual Poland China Sale

Effingham, Kansas Thursday, October 21st

50 Head Cholera Immune

29 February and March boars and 19 gilts same age. Two tried sows. 20 head by Big Bob Wonder. Special attractions: Big Lady Jones 553528, a half sister to Big Price, first in Junior class at the Nebraska State fair this year and grand champion at the Big fair at Topeka. She sells with a breeding privilege to Big Bob Wonder, Kansas Queen, a two-year-old sow that is the dam of eight of the offering. A fine litter of six, by Long Jumbo 2nd, the top boar of the World's record big type litter sold by Mr. Walter one year ago. Also a good litter by Long Jumbo Jr., of the same litter. Also two boars by Moore's Halvor and out of Big Lady Wonder, the dam of the World's record litter. Write for catalog.

Send bids to J. W. Johnson in care of Mr. Walter.

H. B. WALTER, Effingham, Kansas

Aucts.: H. S. Duncan, C. A. Hawk. Sale in Pavilion at the farm.
H. C. Graner, Lancaster, sells the day before this sale.

Bowman & Co's Hereford Sale!

Greatest Hereford Event of Kansas This Season

FEATURING THE GET OF Generous 5th, College Count, Gladwyne, Beau Donald 33d, Marvel, College Militant, March On 8th, March on 24th, Prince Olaf and Albany.

Ness City, Ks., Monday and Tuesday, Oct. 25-26

40 Bulls

**March and April
1914 Bulls
Halter Broke**



A Snap Shot of a Part of the 750 Purebred Herefords Owned by W. I. Bowman & Co., Ness City, Kan.

80 Females

**68 Bred Cows and
Heifers
12 Yearling Heifers**

The forty young bulls are strong, growthy fellows, weighing around 1300 pounds, with plenty of bone and substance, and with breeding and character, that make herd headers, a car load of like ages and breeding will also be offered at private treaty.

The sixty-eight cows and heifers are safe in calf to such sires as Generous 5th, by Generous; Gladwyne, by Sailor and College Count, by Millitant. The 12 yearling heifers are by these same sires.

This offering has outstanding size, bone and breeding quality. Here is a rare opportunity to add a few good individuals to your herd, to start the foundation for a good herd, to buy a herd bull for your herd, or a car load of excellent bulls for the range. From our herd of over 700 registered Herefords we have selected generously of our best producing females. They are the kind that have sold many a time for double what we expect to get. They are the kind that will put you in the Hereford business right. Write for illustrated catalog today. Trains met at Ness City, and Ransom on Missouri Pacific. Address

W. I. BOWMAN & CO., Ness City, Kansas

AUCTIONEERS—Fred Reppert, Lufe Burger, Lester Lowe and home auctioneers. FIELDMAN—A. B. Hunter.

NOTE—70 head of high grade cows bred to registered bulls and 80 yearling and two-year-old steers, sell in lots to suit the purchaser.

Large Type Polands

At Auction, Elkmere Farms Near

Howard, Kansas

Saturday, October 23, 1915

50 Head—50 Head

30 Spring Boars, including show prospects.

8 Choice Spring Gilts.

12 Big Open Fall Yearling Gilts, the kind
that will make great herd sows.

They are nearly all by Elkmere's Jumbo, by Mammoth Jumbo. His dam was a daughter of A Wonder. He is a line bred A Wonder boar of unusual scale and breeding quality. They are out of sows that carry the blood of such sires as Big Hadley, Gold Metal, M.'s Giant Wonder, Expansion, Te-cumseh and other noted sires.

This is an offering selected from our large herd, bred and fed for the purpose of both breeder and farmer.

If you want size, bone and quality, arrange to attend this sale. Write today for catalog. Address

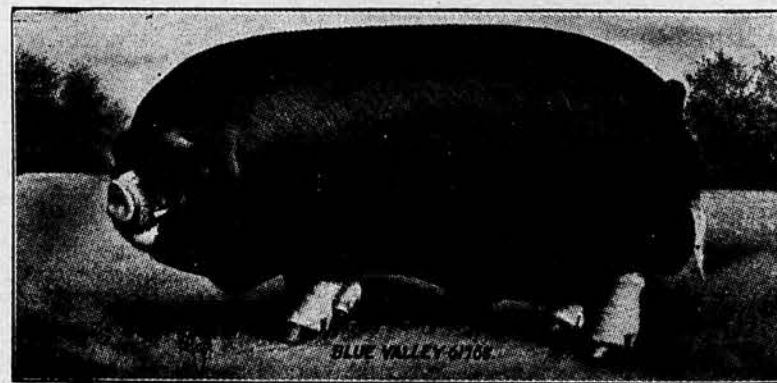
Fred B. Caldwell, Howard, Ks.

Auctioneers—R. L. Harriman, A. M. Boon.

Fieldman—A. B. Hunter.

Walkers' Blue Valley Poland China Sale

Fairbury, Nebr., Oct. 22



51—40 Boars, 11 Gilts—51

Twenty of the boars and seven of the gilts are sired by the noted Blue Valley and are out of 700 and 800 pound sows; the balance of the offering is sired by our Blue Valley A Wonder boar, by Fesenmeyer's old A Wonder and out of Long King dams. He was grand champion boar at the county fair this year and a 1100-pound prospect. The boars of this offering are very high class individuals. They are practically all good enough to head the best purebred herds. They are long, wide and deep; have good heads with strong, full backs and extra heavy bone and good feet. They will weigh up to 350 pounds and have 8 1-4 inch bone.

The eleven gilts are litter mates to the above mentioned boars and are all good individuals. Everything is cholera immuned and a clean health certificate will be furnished with each hog. Our illustrated catalog will give complete description of every individual in the sale. Write for one today.

Thos. F. Walker & Son, Alexandria, Nebr.

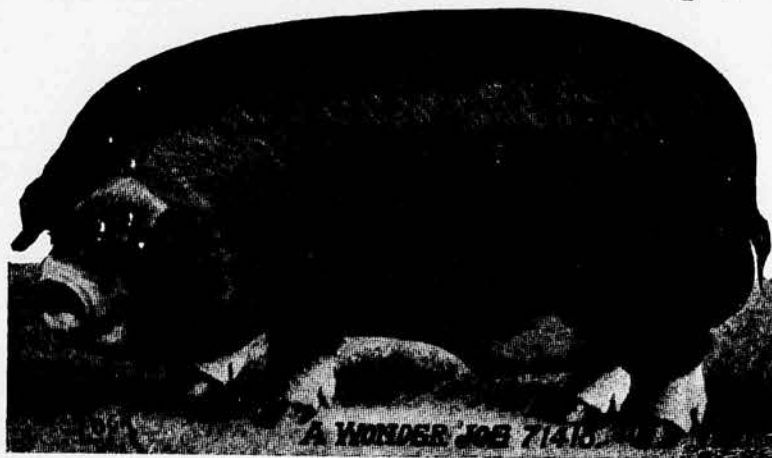
Auctioneer—H. S. Duncan. Fieldman—J. W. Johnson.

Opportunity Knocks Sigel Brown's Gigantic Poland Chinas

Sell at Reeds, Missouri, Tuesday, October 19

The Get of Big Timm

The
Sensational
1125 Pound
Grand Champion
of 1915



40—HEAD—40

The Get of
Longfellow Price,
Big Smooth Price,
Big Long Jumbo,
Long Wonder,
M'Graths Jumbo,
Scribners Best

An unexcelled opportunity to buy the get of the best sires in Iowa and Nebraska, at perhaps a fraction of what you would have to pay for much inferior individuals in the North. There will be 14 head in the sale by the famous 1125 pound champion Big Timm. Those who need a few gilts or an outstanding boar cannot afford to miss this sale. If impossible to attend this sale in person send your bids to C. H. Hay, fieldman for this paper. Write for catalogue and mention this paper.

C. H. Hay, Fieldman. Col. J. E. Duncan, Auctioneer.

Sigel Brown, Reeds, Jasper County, Mo.

Reeds is located on the Frisco R. R. just East of Carthage. Carthage will be the meeting point for out of town breeders.

CARVER'S Poland China Sale Evergreen Stock Farm

Guilford, Mo., Monday, October 18

**Day Before O. L. Garrett's Sale at Rea;
Attend Both Sales at One Expense**

HERD BOARS—Mo's Mastodon Wonder 61477, brother to E. W. Kreischer's Mastodon Wonder. Great Look 47659, the great sire of winners and conceded the best son of Grand Look. I Am Expansion and Gov. Major, two extra good yearlings of our own breeding.

25 spring boars, 20 spring gilts, and 10 fall gilts by the above sires. Part of the fall gilts will be bred to Great Look. The spring pigs are out of dams by Great Look, Capitol, Looks Hadley and other noted sires. Some line breeding that produces our own winners.

Health Certificates furnished so that animals can go to other states. Terms: Cash or 6 months' time, bankable paper. Clerk, Bank of Guilford. Send for catalog giving particulars.

E. E. CARVER & SON, Guilford, Missouri

Auctioneers—W. D. Gibson, R. P. Hasmer, Julius Klass.
Fieldman—E. R. Dorsey.

**Nothing Older, Nothing More
Reliable Than the Old Original**

Spotted Polands

**They are the Kind that Make Poland
China History. Our Original Polands
are Eligible to all Poland China Records**

Jamesport, Mo., Wednesday, Oct. 20

Forty early spring pigs sired by Spotted Rex 71990, Spotted Rexall, Lamar Chief and other good hogs.

We are selling a few of our private herd sows: Lucky Jane, by Brandywine, one of my best herd sows. Spotted Ocie, by Lucky Judge, her sister topped the Faulkner sale of 1914. Miss Queen by Spotted Boy; her five months' old pig topped H. L. Faulkner's August, 1914, sale. Ocie G. by Budweiser, no better bred sow on our farm. These sows are the dams of many of the offering in this sale.

Our great brood sow, Buckwheat Jane 2nd, will not sell but she is represented in this sale. Her pigs have topped Mr. Faulkner's sale twice.

REMARKS—It has been some time since I have held a public sale but I have such a fine offering I felt justified in making this sale as I do so with a considerable amount of pride because they are as good as we ever raised. Jamesport is the headquarters for the spotted Poland Chinas. Mr. Faulkner is the preserver of this breed but I have the honor of furnishing some of his record breakers at his sales.

Come to My Sale. You are not only welcomed but we extend to you a special invitation and you will be entertained at the Hotel Drummond.

Frank B. Boyd, Jamesport, Mo.

Fieldman, E. R. Dorsey.

Wanted 1,000,000 More FARMERS

To Buy NOTHING But Bargains!!

Water or Storage Tanks

Made of 20 gauge galvanized steel won't rust; strongly riveted seams. Lot No. T-1801. Cap. 51-2 Bbls. \$4.25 Lot No. T-1804. Cap. 9 Bbls. \$5.95 Larger sizes at proportionate prices.

Bargain Closet

Elegant low tank closet outfit \$9.98 guaranteed "A" grade material; pick, 21 plated trimmings. Golden oak seat. Lot No. T-902. Other like savings in Free Plumbing Book.

SAVE HALF ON RUGS

Finest rugs from auctions, all grades, sizes, patterns and colors. Biggest rug, linoleum, and carpet bargains ever offered are them in actual colors in our book. 9x12 ft. rug \$3.50. 12x18 ft. rug \$7.00. 12x18 ft. rug \$7.00. 12x18 ft. rug \$7.00.

\$10 Washing Machine

Biggest bargain high speed washing machine. Operates from sitting or standing position. Runs a washer with a full load than others do empty. Lot No. T-425.

Iron Pipe and Fittings

Good iron pipe in random lengths complete with couplings. Suitable for gas, oil, water and conveyance of all liquids. Size 2-8 to 18 in. Our price on 1 in. per foot, 30¢. 1 1/2 in. 35¢. 2 in. 40¢. Complete stock of valves and fittings. Send us specifications and requirements. Larger sizes priced just as low.

Mixed Wire

Standard wire nails put up in 10 lb. cans. All kinds and sizes mixed. Price, per box, 25¢. Order by lot No. T-44. 10 lb. regular new wire nails, 100 lb. box, \$1.45. Order by lot No. T-44.

Tank Heater

Self heating spot tank heater. Needs no fuel to heat. It down. May be used in galvanized, cement, wood or any kind of tank. Complete with grates, ash tray and 24-inch smoke stack with damper. Any fuel, width 12 in. Height 24 in. Lot No. T-55.

WALL BOARD SNAP

100 sq. ft. \$1.66 100 sq. ft. 5 ply wall board. Seconds just as good as first. If you intend to decorate or cover it. Get your share. Tremendous bargain while the supply lasts but get in your order promptly. Order lot No. T-74.

Will YOU Be One of The New Million?

A multitude of Farm Folks have found profit and satisfaction in dealing direct with us on our famous P-R-I-C-E-W-R-E-C-K-I-N-G Plan. From coast to coast we are known to an army of wise buyers, whose favor we earned by the money we saved them. These are our regular customers—old farm friends, who are firmly bound to us by many years' experience of our fair treatment, truthful advertising and reliable goods. They need no reminder of the benefits we offer; THEY KNOW!

But there are still many who remain in the old money wasting rut—men who have yet to learn the enormous advantages dealing direct with our mammoth 40-acre plant offers over Stores and Mail Order Houses. For these we head this page: "WANTED—1,000,000 MORE FARMERS TO BUY NOTHING BUT BARGAINS!"

Listen! Get this straight! Everything we sell is a guaranteed bargain or money-back. We buy nothing in the regular way. We seek only high-class, desirable new goods, offered at Forced Sales, Bankrupt Stocks, Eminent and Receiver Sales, Auctions, Expositions, Manufacturers' Outlet Sales, etc. Our \$10,000,000 buying power gives us the first pick and choice of the cream of the country's merchandise at these big bargain events.

And we sell—as we buy—bargains only—nothing but bargains! Our mammoth "PRICE WRECKER" Catalog contains 50,000 bargains in everything for Home, Personal and Farm use. Will YOU, Mr. Farmer, be one of the new million to send for this big free book? Why continue paying regular store and mail order prices when you can so easily save a lot more money on our original P-R-I-C-E-W-R-E-C-K-I-N-G Plan?

CHICAGO HOUSE WRECKING CO.
(HARRIS BROS. CO., OWNERS)

Combination Wood Saw \$10.95

Special Low Bargain Price



Keep the boys on the farm! Do away with the drudgery of wood sawing with one of these up-to-date outfits. Frame of heavy hardwood, extra well braced and bolted; arranged for long poles or regular cordwood. Saw guard adjusts for saws 20 to 30 inches in diameter. Mandrel 4 ft. 1 in. long, 1 1/2 inches in diameter and turned down to 3/4 inch hole in saw. Balance wheel weighs 95 lbs. Weight, complete with extension table \$10.95 (with table, but no saw). This unusual snap is but a specimen of the many like values secured in a recent big deal. Many other time, labor, and money saving devices at savings that will positively surprise you. Order yours today or write for complete Bargain Price List. Send for it today! Order by lot No. T-240. Price, \$10.95.

Heating Plants

Price Low
You can easily install your own Heating Plant with the assistance of our free expert engineering service. Warm air as low as \$67, steam \$134 and hot water \$184. Send for our Free Heating Book today.

Shingle Bargains

Lot No. P-223. 10 in. Clear 5-2, 18 in. Washington red cedar shingles, per 1,000 \$2.67. Lot No. T-224. Extra Star "A" Star, 6-3 18 in. Washington red cedar shingles, per 1,000 \$2.25. Lot No. T-225. Extra clear 5-2, 18 in. Washington red cedar shingles. Absolutely clear. Per 1,000, \$2.27.

Sturdy Hog Troughs 89c

Biggest bargain ever offered on strong, durable Troughs for hogs and cattle. Heavy galvanized cross bars and legs, securely riveted. Round bottom easily cleaned. 4 ft. long by 18 inches. Each by lot No. T-44. Heaviest galvanized iron, standard size, 6 ft. long. Each, \$1.25. Lot No. T-44.

Bath Tub Complete, \$13.00

Best white enameled, cast iron one-piece, heavy roll rim bath tub 6 ft. long, latest style nickel-plated trimmings, including fuller double bath cocks for hot and cold water, nickel-plated connected waste and overflow and nickel-plated supply pipes. Order Lot No. T-101.

Wonderful Savings 40 Acres of Bargains For Home Builders



\$239 Buy a Whole Car of Brand New Up-to-Grade, Good Quality Lumber

To quickly introduce our mammoth new DIRECT-TO-YOU Lumber Manufacturing Plant at Jackson, Mississippi, we make this exceptional offer: A whole car brand new lumber for only \$239.00! Every stick guaranteed good quality, strictly up to grade. Immediate shipments. If you can't use a whole car, have your friends join you and save extra on freight. For a car load or less, send right now for our Lowest Wholesale DIRECT-TO-YOU Lumber Bargain Price List and get our freight prepaid price on every item of Lumber and Building Material before you buy.

We do not require "cash with order", but give you privilege of inspection before you pay. Who else will do this? We are not afraid of our material. So if you expect to build a house, barn or any structure, send at once for our DIRECT-TO-YOU Lumber Price List, and take immediate advantage of these wonderful low bargain prices. We have good lumber as low as \$12.00 per thousand feet.



Build your home "THE HARRIS WAY."

Thousands of Home Lovers have proved our time-tried methods: the one sure, short cut to satisfaction! "THE HARRIS WAY" has a definite meaning all its own. It is original with us—better—different from all others. It means 23 years' experience—Special Harris Architectural Service—Free \$10,000.00 Plan Book—Free Blue Prints—better material sensibly cut-to-fit at a tremendous saving—elimination of all waste.

Contains 100 Modern Harris Homes, with floor plans, descriptions, material, specifications, prices, valuable architectural information, etc., etc. Shows how to save big money building City Residences, Farm Homes, Bungalows, Duplex Houses, Cottages, Garages, Corn Crib, etc. This Plan Book is invaluable to any one who expects to build a Barn. Shows many designs of Barn Buildings, and how to erect them "the Harris way" at a tremendous saving. Write for this Book today.



Send Your Lumber Bills to Us—NOW

SPECIAL

Build Your Home "The Harris Way"

GALVANIZED ROOFING

97c Buys Metal \$2.25 Buys ROOFING 2 GALV.

We can furnish Corrugated, V-Crimped, Standing Seam, Beaded Ceiling, all kinds of ornamental ceiling plates at lowest prices ever made. Painted sheets from 97c per square up, and Galvanized from \$2.25 per square up. Tell us your roofing needs! Get our opinion. It is free. Write us kind of building, exact dimensions of roof, when you expect to buy, etc., and our Roofing Experts will tell you exactly how much to buy, best selection, exact cost, full directions for laying, etc.

WONDERFUL BARGAINS in Ready Roofing 40c

We recognize no competition on roofing! Our 40-acre plant contains gigantic stocks of dependable every kind at prices absolutely slaughtered. Our AJAX Brand Rubber Surface New Ready Roofing, put up two and three pieces to the roll, complete with nails and cement; 1 ply 40c; 2 ply 75c; 3 ply 96c. Red or Gray Slate—2 and three pieces to roll, 96c; better quality, \$1.16. Red or Gray Slate Coated Shingles, \$2.50 per square. We have other grades at proportionately low prices.

SAMPLES OF EVERY KIND OF ROOFING—FREE! Send for our Big Roofing Catalog showing everything in Roofing, and accessories at prices lowest ever made by anyone!

Slaughter Sale of RUMELY

MERCHANDISE

Our recent gigantic purchase of the Rumely stock of Gasoline Engines, Cream Separators, Electric Light Plants, Ensilage Cutters, Feed Mills, Corn Huskers, Corn Shellers and Hay Balers enables us to offer these high-grade, brand new articles direct to you at less than dealers used to pay in carload lots. Never in our 23 years of PRICE-WRECKING have we offered such wonderful bargains! Duplicate parts can always be obtained.

Rumely-Olds ENGINES

Unbeatable Low Fencing Prices!!

Strong Fencing, Per Rod 15c

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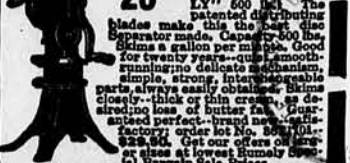
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