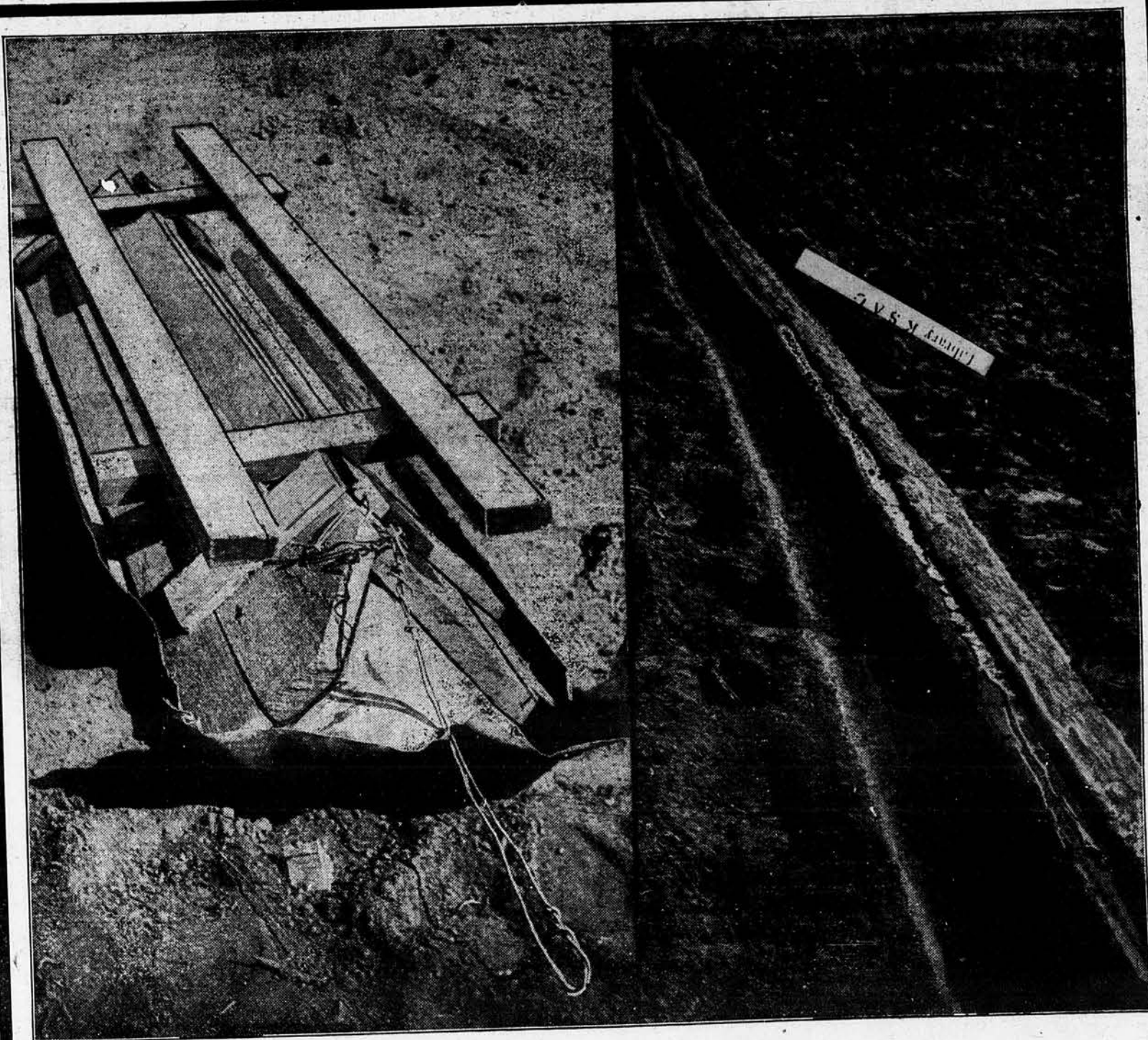


# THE FARMERS MAIL AND BREEZE

Volume 42

June 22, 1912

Number 15



**Dr. Headlee's Chinch Bug Exterminator**

(On the left trough for shaping back furrow, on right the completed furrow showing tar line being laid down. See Page 3.)

IN next week's number of Farmers Mail and Breeze F. B. Coburn will discuss a subject about which a variety of opinions still are held in Kansas, but in the main one in which old opinions are being nosed out by new ones. He handles it from the viewpoint of what is best for Kansas and the Kansas people with reference to a future near at hand if not already with its head and forefeet over the fence and its tail in the air.

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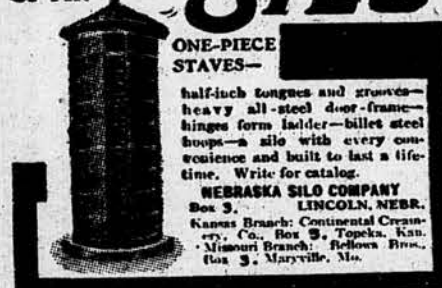
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## What Farmers Are Thinking

You are cordially invited to air your  
opinions in this column, but the Mail  
and Breeze reserves the right to con-  
dense such statements as far as possible  
to give other contributors a chance to  
say something. Short, crisp expressions  
of opinion on matters of interest or con-  
sequence to farm folks are welcome. All  
contributors must take their turn.

### Autos Make the Roads Unsafe.

Mr. Editor—In a recent issue of Farm-  
ers Mail and Breeze the statement was  
made that some town dwellers think  
farmers are hanging back on the matter  
of making good roads. And why should  
they not hang back? Why should the  
farmer be expected to get out and build  
good roads when he cannot drive upon  
them with safety except when it is too  
muddy for the automobiles to be abroad.  
Why not impose a stiff tax on the  
automobiles that use our roads?

The automobiles have so monopolized  
the highways that it is no longer safe  
for women or children to drive anything  
but a staid old nag with which it is  
impossible to get anywhere. I used to  
drive to Topeka quite frequently to do  
my trading because I got more for my  
money, there was more of a selection  
to choose from, and I liked to see the  
city. But the last time I went I left  
my horse in the first livery stable I came  
to and vowed that if I ever reached  
home alive I would never drive to To-  
peka again, and I've kept the promise.  
I know of a dozen or more women who  
have done the same thing. Now we  
trade at home or more often send to a  
mail order house.

Mrs. Josephine Kious.

### Meriden, Kan.

[There is more truth than poetry in this  
complaint as everybody who uses the coun-  
try roads knows. The Kansas State Good  
Roads association is advocating placing  
motor cars under a state license for the  
benefit of the road fund. There should be  
such a law.—Ed.]

### Farm Profits and Farm Risks.

Mr. Editor—There is a good deal said  
and written about the prosperity of the  
farmer. Business men stand by their  
glass store fronts and watch the old  
farmer bring a herd of fat cattle to  
market, a load of hogs, or even a bucket  
of eggs and they say, "Just look at the  
money the farmer is making. I wish I  
were a farmer." But they do not stop to  
consider how much high priced corn and  
alfalfa it took to produce this wealth,  
how it has required day after day and  
month after month of hard toil with  
stock and machinery that cost money.  
They do not think of the days of work  
in a hot scorching sun or the winter's  
blizzards without a cent of wages until  
marketing time. Then there are the  
chances to be taken with the weather  
and other conditions. Rain fails to  
come and a promising crop dries out or  
perhaps a hot wind will burn it up in a  
few days' time. When these circum-  
stances catch the farmer from two to  
five years in succession, as has been the  
case in western Kansas, it doesn't look  
much like prosperity to us.

M. Walden Bailey.

### Burr Oak, Kan.

[The man on the farm has every year to  
take big chances of loss. Isn't this another  
reason why he should get a larger share of  
what the consumer pays for his products,  
instead of the comparatively small sum that  
usually reaches him?—Ed.]

### Farm Boys All For Capper.

Mr. Editor—I know Capper to be a  
business man and he will give us a  
business administration, which is so  
much needed at this time. I believe he  
will enforce the laws. He is interested  
in the prosperity of the farmer and if  
the farm boys could vote there would  
be no doubt whatever of his election.  
I know of no opposition to Mr. Capper  
here.

W. A. Nichols.

### Glade, Kan.

### The Woman Who Doesn't Want To Vote.

Mr. Editor—Some women are saying  
we don't want to vote as we have good  
husbands, good homes, and moral, up-  
right children. But that is not all there  
is to consider. How many other women  
might have good husbands and good  
homes if it were not for the evils of  
liquor. Then there are those who are  
struggling along under political evils.  
To those who are happy and contented

now I would say, remember the day  
will come when your children will not  
be under your influence. Then they will  
have to struggle alone with the world.

Don't be afraid the polls will not be  
a respectable place for women if we are  
given the right to vote. We can help  
make them respectable and there will  
be enough good men present to see that  
you are treated with respect. If we are  
given the right to vote and the oppor-  
tunity to vote for men that will help  
to lift up the world, it will be our duty  
to God and man to go to the polls.

Mrs. H. A. Birdsley.

Washington, Kan.

### Thinks the Professor is "Off."

Mr. Editor—In Farmers Mail and  
Breeze of May 25 there is an article in-  
spired by E. G. Montgomery claiming  
that we get stronger plants and larger  
yields by planting five grains of corn  
to the hill, that competition will elimi-  
nate the weaker plants, and that the sur-  
vivors will be stronger than those that  
do not need to struggle so hard for an  
existence. Along with this absurd state-  
ment comes F. C. Sanford in the same is-  
sue claiming that he would rather have  
corn too thick than too thin. We re-  
member well the irksome task in our early  
working life of having to thin corn down  
to two plants to the hill in order to  
make sure of a stand. There is always  
a lot of foolish talk emanating from the  
agricultural colleges about picking seed  
corn, seed selection, pure breeding, etc.,  
when a 12-year-old boy on the farm  
knows more about selecting type, plant-  
ing, and care than one half of the pro-  
fessors that are so glib with their in-  
structions. But this five-stalk-to-the-hill  
theory that was eliminated by back-  
woods farmers as impractical 30 years  
ago is surely the limit of foolishness  
dished up to us by the agricultural pro-  
fessors.

George W. Dart.

R. I. Montrose, Kan.

[The professors included, we still have a  
lot of things to learn in this world and  
should not turn anybody down hard who  
really brings us some triedout information.  
After six years of seed selection Prof. Mont-  
gomery found that corn planted as thickly  
as five plants per hill produced a higher  
yielding seed than did corn grown at the  
rate of one stalk per hill. The difference  
in yield averaged 7 to 8 bushels per acre.  
This is an interesting fact and may prove  
of much importance to breeders of seed corn,  
but the information was given out by the  
Nebraska station simply for what it was  
worth. It still remains to be seen what  
can be done with it other than in the direc-  
tion indicated and even in that.—Ed.]

A high grade, guaranteed durable live  
rich red barn paint is sold by the Sun-  
flower Paint & Varnish Co. of Ft. Scott,  
Kansas, direct to the consumer at only  
85c per gallon in 5 gal. cans, freight pre-  
paid. This is a paint proposition worth  
considering by every farmer. This is a  
reliable company and now is paint sea-  
son. Try this paint.

### Can't Get Along Without It.

Mr. Editor—We could not do without  
the good, old Mail and Breeze. When  
the snow was so deep we could not get  
our mail part of the time how we  
did miss the paper. Would just as soon  
go on half rations as do without Farm-  
ers Mail and Breeze, as it has so many  
good things in it for us farmers.

Sylvia, Kan.

W. E. Camp.

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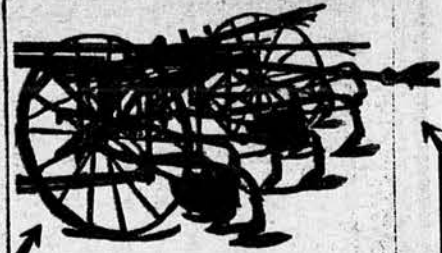
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# THE FARMERS MAIL AND BREEZE

AN AGRICULTURAL AND FAMILY JOURNAL FOR THE PEOPLE OF THE GREAT WEST



Volume 42  
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Subscription  
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## PROTECTING CROPS FROM MIGRATING CHINCH BUGS

**A**S HARVEST approaches it becomes clear there are enough chinch bugs developing in the small grain fields of various parts of Kansas to do serious harm to adjacent fields of corn, cane and Kafir unless there is a change from a dry to a wet season. Many experiments and tests conducted by experiment stations and farmers in this and other states have demonstrated beyond question the possibility of destroying the pest during this migration and protecting the threatened crops. The bugs must be induced to pass before they reach maturity and they must be destroyed en route. If the bugs do not pass before maturity is reached, they will migrate on the wing. Fortunately, this year the wheat is likely to ripen before the bugs have reached the stage of development usual at that time. The wheat, barley, and oats should be cut as soon as ripe and the grasses and weeds, which might furnish the bugs with food, should be destroyed by thorough disking. It is only necessary to destroy all their food to compel the bugs to move.



T. J. Headlee.

Before the bugs begin to move, preparations for their destruction should be made. These preparations should include securing materials and apparatus for constructing and operating both the dry weather (the dusty furrow) and the wet weather (the tar or oil-line) barriers. Preparations for both barriers are necessary because no one can tell under what sort of weather conditions the fight will have to be made. When the bugs begin to move, there is no time to lose.

### DRY WEATHER BARRIER.

The dry weather barrier may be constructed in any one of several ways, but only two of the most effective will be described. In one case a strip 5 to 10 feet wide is plowed between the infested field and the one to be protected. The soil is finely pulverized by use of a harrow and the surface reduced to a dust by dragging a brush back and forth. Two troughs 3 or 4 feet long are made of heavy lumber and held parallel and 12 inches apart by a couple of strong 2 by 4 inch pieces nailed firmly across the top. This double trough loaded with stone and ridden by the driver is dragged back and forth on the pulverized strip until two deep parallel furrows, the sides and bottoms of which are covered with a deep, fine dust, are formed. These furrows can be renewed at will by redragging them. In the other case a deep lister furrow is plowed between the infested field and the ones to be protected. The sides and bottom of this furrow are reduced to fine deep dust by repeatedly dragging a log having about the diameter of the furrow back and forth. This type of furrow like the other can be renewed by redragging. With this type of barrier, either post holes must be dug in its bottom at intervals of 20 feet or the bugs must be destroyed by flaming with a gasoline torch. The first type of dusty furrow barrier requires more time to make, but less attention after completion. The post hole trap in the bottom of the barrier is less satisfactory than the torch, because the post holes have to be renewed every time the furrow is redragged, which in our experience has been at least once each day.

### The Barrier Method and How It May Be Used With the Best of Results

BY T. J. HEADLEE

Head of Department of Entomology  
Kansas Station

Written For Farmers Mail and Breeze

For a number of years Dr. Headlee has been going after Kansas' hereditary enemy, the chinch bug. He has developed two well known methods of attack that promise big results. One is for early winter and the other for use when the bugs begin to leave the wheat for the cane and corn fields. He strongly urges the readers of Farmers Mail and Breeze at this time to adopt the barrier method he describes in this article as the most reliable and effective means of keeping the bugs out of these fields. He also points out that the next most important thing is to have all preparations made in advance of the time the bugs are likely to move. What he says about spraying as a means of destroying the bugs after they have entered a field is likely to be useful information to more than one reader of the Mail and Breeze before many days. Dr. Headlee will be glad to answer any inquiries our readers may wish to make with reference to these methods.—Editor's Note.

### WET WEATHER BARRIER.

There are also many methods of constructing the wet weather barrier, but only two will be discussed. In the first a sharp back-furrow is plowed between the infested fields and the ones to be protected. Two 2-inch planks 6 or 8 feet long and 12 and 14

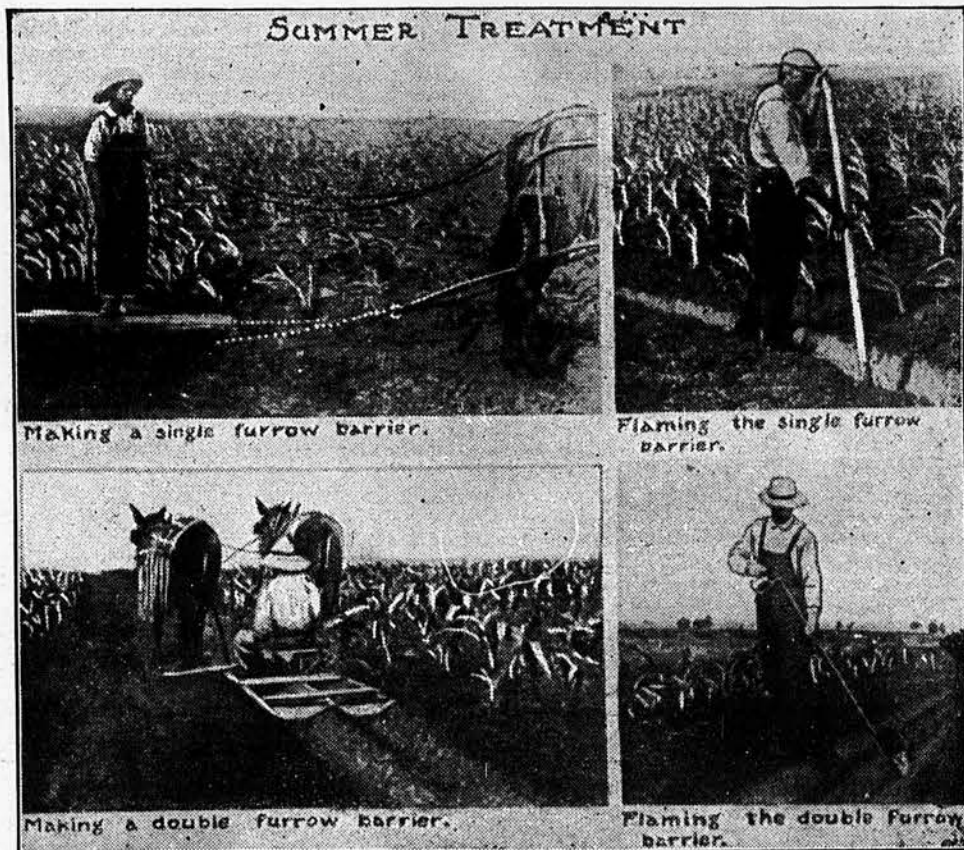
inches wide are nailed together hog-trough fashion. That is, the 12-inch plank is laid flat on the saw horses or the ground, and the 14-inch is set on edge along one side. After careful adjusting so that the ends of the planks are even, the 14-inch plank is spiked to the 12-inch. The front end of the trough thus made is rounded off like a sled runner. In order that it may slip well the inside of the trough is lined with galvanized iron. A straight smooth pole at least 2½ inches in diameter is then nailed into the bottom in such a manner that it extends from the front end to a point 8 or 10 inches behind the rear end of the trough. A narrow rectangular platform running the length of the trough and extending 6 to 10 inches beyond the rear end is then constructed on the ridge of the now inverted trough. The platform is intended as a seat for the driver and for the placing of stones when additional weight is needed. This platform consists of three 2 by 4-inch pieces a little shorter than the trough is wide and two other 2 by 4-inch pieces a little longer than the trough. One of the short 2 by 4-inch pieces is set in and spiked on crosswise near the front end, another near the middle and the third near the rear end. On one side of the long pieces is nailed crosswise the short pieces and parallel to and 4 to 6 inches distant from the ridge of the trough, and the other in a corresponding position on the other side. By means of strong wire an attachment is made to the clevis and the inverted trough is ready for work. All grass and weeds where the furrow is made are cleaned away because they interfere greatly with making a smooth, compact ridge and groove. This trough or sled is then placed over the back furrow and dragged back and forth until the sides of the furrow are well compacted and the top furnished with a shallow, well compacted ditch. Post holes at distances of 20 feet must then be dug along the lower edge of the ridge on the infested field side. Slight imperfections can readily be repaired with a spade.

In the second type a narrow strip between the fields is smoothed off by dragging a heavy plank back and forth. Post holes are dug along the line where the liquid is to be placed. The liquid must be something chinch bugs particularly dislike. Coal tar has been considered the most effective, but it is difficult to obtain and is high in price. Recently Prof. S. A. Forbes of Illinois has tested Road oil No. 8, a product made and sold by the Standard Oil company, and believes it a promising substitute for coal tar. The substance can be bought from the Standard Oil company's refinery at Whiting, Ind., and costs \$3.50 a barrel. The oil or tar can be applied by pouring it in a slender stream from an old tea kettle or a sprinkling can. The latter should have the nozzle removed and the hole reduced by use of a plug with a hole of the desired size in it. A tar or oil line should have a diameter of about three-fourths of an inch, and, of course, to be effective must always be liquid. The back furrow barrier while requiring more time to make is better because the tar or oil line, thus raised above the general level, is protected from objects falling across and bridging it.

### OPERATION OF BARRIERS.

Barrier materials should be ready before the small grain begins to ripen, and the strip between the infested and non-infested fields where the barrier is to be placed should be free from weeds, in order that it may when the time comes break up nicely and be easily pulverized. The moisture in it should be conserved

(Continued on Page 17.)





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## SPECIAL NOTICE TO ADVERTISERS.

Changes in advertisements or orders to discontinue advertisements must reach us not later than Saturday morning, one week in advance of the date of publication. We begin to make up the paper on Saturday. An ad cannot be stopped or changed after it is inserted in a page and the page has been electrotyped. New advertisements can be accepted any time Monday. The earlier orders and advertising copy are in our hands the better service we can give the advertiser.



JOHN MITCHELL  
THE LABOR LEADER.

A few evenings ago I went to the Auditorium in Topeka to listen to a speech by the labor leader, John Mitchell. I am glad I had the opportunity for I have been interested in John Mitchell for a good many years. I had the impression that he was a man with an exceptionally level head, but I was afraid that when I heard him speak I might be disappointed in him. I often have had that experience. Men I have read a good deal about, and concerning whom I had formed a favorable opinion, seemed to shrink up a good deal when I got near them and heard them talk. I was disappointed in John Mitchell, but not in the way I had feared. He impressed me when I heard him talk as a bigger man mentally and morally than I had supposed. He has a fine face, the face of an honest man. It is the face of an enthusiast, but an enthusiast whose enthusiasm is kept in check by the balance wheel of wonderful good sense and tact. Many an enthusiast does more harm than good because his enthusiasm is continually running away with his judgment so that he can not take a sane view of conditions as they are. John Mitchell puts up a strong argument for his side of the case. It seemed to me to be an almost unanswerable argument, but there was in it no abuse of those who differed from him. It is this fairness, this ability to consider conditions as they are, not as he may want them to be, that has made him the powerful leader that he is. I think that he is a big enough man to be president of the United States. I do not know that he has any political ambition, but I would be pleased sometime, if the opportunity ever presents itself, to vote for him for the highest place in the gift of the people of this great nation.

Boiled down, the substance of John Mitchell's philosophy is this: Any man or woman who is willing to do his or her part in the useful, necessary work of the world, should have not only the right to work, but should have the right to a fair share of the good things of life. He maintains that with the development of modern machinery and the resultant complex civilization, organization of the workers is necessary for their protection. I fully agree with him. There is no doubt that wrongs have been done in the name of organized labor, but the workers have been sinned against more than they have sinned. Selfish capitalists who sometimes denounce John Mitchell ought to thank him instead of denouncing him for he has been a tremendous force for order and peace. He has never appealed to the passions of those who have suffered from toil and poverty. He has recognized the fact that employers themselves are often the victims of conditions for which they are not responsible as well as the toilers for inadequate wages. He has demonstrated too that there is no class that can claim a monopoly of brains. Coming up from the ranks of the most humble toilers he is able to

hold his own on the platform or anywhere with the best of those who have had the advantages of wealth and culture.

## IF IT COULD BE SAVED.

For several successive years the farmers in a part of western Kansas have suffered either complete or partial failure of crops on account of lack of moisture at the right time. It has been in a good many cases almost a tragedy. They have hung on bravely year after year hoping that the tide would turn until in a good many cases they have completely exhausted their resources and their credit. So at last a good many of these settlers have given up the fight discouraged. And yet if the rains that have fallen on these western Kansas lands even during these years of deficient rainfall, could have been saved and applied to the ground when needed there would have been good crops and the people would have enjoyed continuous prosperity. All over that country within the last week or two there have been great rains. Within the last two or three weeks rain has fallen in nearly all of the western counties to the extent of 3 inches or more. Perhaps you never took the trouble to figure the amount of water in a 3-inch rain falling all over a county 30 miles square. If that water could be gathered together it would fill a lake one quarter of a mile square 24 feet deep. It is probable that one half of the water that fell out there ran off into the streams and did but little good. That is true of most of the rains that fall out there. If you look up the record you will discover, I think, although I have not the record before me just at this writing, that even in the driest years in this semi-arid region some 12 inches of rain falls during the 12 months. In even a moderately dry year the rainfall will run as high as 15 or 16 inches.

In a very dry year then the entire rainfall in one of these western counties would if all gathered together fill four lakes each a quarter of a mile square and 24 feet deep. Estimating that a half of this amount of moisture runs away through the streams and gullies, doing the country no good, there comes the question whether or not it would be possible to save this waste water. It could be done but can not be done by private enterprise. The individual farmers can of course put some earth dams across the draws on their farms and save a little of the waste water but not enough to be of much use for irrigation purposes. Great and substantial dams ought to be erected as public enterprises and great reservoirs created so that the waste waters could be saved and used for irrigation purposes during the dry season. A survey of these counties would show where the reservoir dams should be built. The presence of these bodies of water would of itself affect the climate and temper the burning winds that at present do more damage than the lack of rain. It is possible to make practically all of western Kansas a good farming country by conserving the rain that falls, and by pumping water from the great under reservoirs where the water is not too deep. The fight out there is a hard one for individuals. It ought to be won by state and national co-operation.

## HARD TO DRAW THE LINE.

"It isn't so blamed easy," said the old philosopher, "to draw the line between bein' too good natured and obligin' on the one hand or too particular and independent and grouchy on the other. I have seen extremes both ways in my time. For example there was Abe Tightwad whom I happen to think of just now. Abe's idea in life was to get everything that was comin' to him and never give up anything unless he was gettin' full value for the same. His theory was that money talks. He said there wan't nothin' in bein' a good feller unless you had plenty of money and that if you had plenty of money it didn't make any difference whether you were a good feller or not. In a way Abe was honest. He boasted of it himself. He said that when he once made a contract he lived up to it, and I can't say but what he did live up to the letter of any contract he made, especially if it was put into writin'. He was quite a feller for havin' his contracts in black and white. But his theory was that if he could get another man in a corner and make him sign a contract that would put him out of business and cause him to lose every dollar he had, if the contract would stand in law it was all right to force the other feller into it. Abe was always careful not to get in shape where the law could take hold of him. Or if he found an easy goin', simple minded man or woman either, who didn't understand just what the effect of makin' a contract would be, and who didn't find it out till it was too late to do 'em any good, he considered it legitimate to get these simple minded souls into a place where he could take everything they had. 'Business is business,' said Abe. 'If people haven't sense enough to look out for their own interests that isn't my fault.' So Abe would loan a man money, takin' as security a chattel mortgage on property worth about five times as much as the money loaned, and when that mortgage fell due the money had to come or the property that had been mortgaged was taken. Sickness or hard luck didn't cut any figure with Abe. He said that wan't his look out. His contract called for the money or the property and business was business. Abe didn't trust anybody's honesty. He said that he wanted 'em to be tied up good and fast with a contract.

"Well, Abe managed to get a lot of money together by the time he was 60, but if he was enjoyin'

himself he didn't show it. I never see him smile after he was 30, and he had the look of a man who was on the watch all the time for fear somebody would slip on him and take away what he had. He wasn't a friend to nobody and nobody was a friend of his, so far as I could learn. He was afraid of the people who worked for him. He said that there wan't one of 'em who wouldn't do him up if they could, and I guess maybe he was right about it for there wan't one of 'em who had any real likin' for Abe. They had listened to his talk about business bein' business till they had come to think it was all right to take advantage of the old man if they could. So the older Abe got and the more he accumulated the busier it kept him to see that somebody didn't take it away from him. He had no time to rest. He got so he couldn't sleep nights and his health commenced to fail. His money didn't buy him any sympathy. He could hire nurses and doctors but the only thing they cared for was his money. So with all his money I don't know as I ever see a more miserable old man than Abe. He was afraid to die and there wan't no pleasure in livin'. People used to say that there wan't no danger of Abe ever dyin' of heart disease because he hadn't any heart, but as a matter of fact that was just what he did die of. One day he keeled over and that was the end of it so far at least as Abe and this world was concerned. I don't know how he made out in the next. He had been so busy takin' care of what he had and tryin' to git more that he never made a will and all he had went to some relatives that he would never speak to while he was alive; them and some lawyers, for these relatives got into a squabble over the division of Abe's property and before it was settled the lawyers had a big slice of it.

"Then on the other extreme there was Jim Too-good. That wan't Jim's last name exactly, but it fits his case. Jim was the most accommodatin', best hearted feller I ever saw. He would not only give you anything he had if you would ask him for it, but he would leave his own work any time to help some other feller do his.

"Everybody took advantage of Jim. They seemed to get the idea in their heads that Jim enjoyed bein' a pack horse for everybody in the neighborhood. Women would leave their kids in Jim's charge while they went visitin'. The men, when they wanted to go away to attend a convention or something of that kind, would ask him to feed their stock for 'em while they were gone. Jim didn't accumulate much of anything himself for he was continually neglectin' his own business to look after the business of other people. But he was certainly the most cheerful soul I ever saw. He didn't, however, get so much credit as you might suppose. The very people who imposed on him and asked him to do things for 'em for nothin' that they ought to have either done themselves or paid somebody for doin', spoke about Jim's lack of business sense. They said that he didn't amount to much; a good feller and all that, but no business sense. Still they went right on imposin' on Jim and askin' him to do them favors for which sometimes they took the trouble to thank him and sometimes they didn't. Well the time come when Jim got old and sick himself and when he died he was so poor that he hadn't hardly enough to pay his funeral expenses. He hadn't ever married so he didn't leave no dependent family, but in his last days he really hadn't enough to keep him comfortable. After he was dead and there wan't nobody with whom the women could leave their kids when they went visitin', or who could be called on to feed and water the stock fur the neighbors when one of 'em went away, or who could be called up in the night to go fur a doctor when somebody was sick, or who was willin' any time to sit up all night and watch and nurse some party that was a tossin' with a fever, why then quite a number of people begin to really appreciate Jim, but it didn't do him any good, unless maybe he is where he can keep the run of things here on earth. So as I say it isn't so all-fired easy to draw the line between bein' too obligin' and kind on the one hand and bein' too blamed selfish on the other."

## CO-OPERATION IN IRELAND.

I am in receipt of a clipping, sent me by S. C. Whitwam, better known among his acquaintances as "Old Whit," giving an account of the progress of the co-operative movement in Ireland. It has not been so many years since Ireland was possibly the most poverty stricken country in Europe. At any rate about two thirds of the Irish people were next door to starvation most of the time. Landlordism ruled the country. The Irish peasantry lived in wretched huts and endured conditions that are hardly thinkable to the ordinary American citizen.

But the sun of prosperity has risen for Ireland. Landlordism has been almost done away with and the Irish farmer has been given the opportunity to buy his land at a low price and on easy payments. As a result the Irish farmers are enjoying a degree of prosperity such as was hardly dreamed of by them or their ancestors 30 or 40 years ago. In recent years the co-operative movement, something like that which is operating so successfully in Denmark, is spreading over Ireland. This movement was started in 1889 among the Irish farmers. There are now 100,000 Irish farmers members of the great co-operative association, which not only helps them save their crops and market them, but loans them money through the co-operative banks run by members of the association. Ireland is, as everybody knows who



has read anything of the history and geography of the island, a great grazing country. Nature intended it for a dairy country, but under the old haphazard system a good deal of Irish butter was something fearful to behold and worse to eat. Now co-operative creameries buy the cream from the members of the association and turn out as fine a brand of butter as can be found perhaps anywhere. The egg and poultry business is managed in the same way. The article in question goes on to say:

Perhaps more real prosperity is due to the co-operative banks than to any other activity. Ireland is well supplied with ordinary commercial banks, but they never have been able to meet the case of the small man who wanted \$25 or \$50 to buy a pig or seeds or to improve his holding. The business was too small and the security was not good enough, but by pooling the needs of the farmers of the district the business was made worth while, and by pooling the credit of every honest man in the district the security was rendered ample.

There are approximately about 400 of these banks in Ireland and they are now lending about \$500,000 a year, the average loan being \$250. The banks obtain their capital from three sources—loans at 3 per cent from the department of agriculture; advances at 4 per cent, and deposits from individuals at the same rate. The borrowers pay from 5 to 6½ per cent and the profit after paying expenses is put into a reserve fund.

The banks are run by the people themselves and no salaries are paid, nor are there any high office rents. The bank committee usually meets in the village once a week and hears and decides applications for loans. No money is lent except for a productive purpose and the character and circumstances of the borrower are known to every member of the bank committee. Bad debts are almost unknown and the people speak of the loans as "the lucky money." The result of this system of village banks has been the almost total extinction of the gombeen man who in the bad old days charged 50 and sometimes even 100 per cent.

The co-operative association goes further. Through it fertilizers, seeds and feeding stuffs are furnished to the members of the association and these are of first-class quality instead of the often worthless varieties that used to be put off on the ignorant and trusting Hibernians. Co-operation has made greater strides in the old world than here in the new and every step demonstrates that what the farmers need is to get together and pull together.

**FALSE METHOD OF REASONING.** Our good friend Tom McNeal declares that the "Aldrich plan," which he speaks of also as the "central bank plan," is fundamentally wrong.

Incidentally it is not the "Aldrich plan" any more than it is the Bonnyne plan or the Weeks plan or the plan of any other of the 15 very able men who composed the Monetary commission; it is the Monetary commission plan. Also incidentally it is not the "central bank plan," it is the very opposite of that.

But chiefly, the only reason Mr. McNeal gives in his column article for saying that the plan is "fundamentally wrong" is that J. P. Morgan & Company are not fighting it, assuming that if the plan were really in the interest of the people Wall street would be pawing up the earth against it. Which sort of ratiocination is not up to the usual McNeal standard. For if Wall street really wanted the plan to be adopted, as Mr. McNeal declares is the case, would not somebody in that neighborhood have wit enough to know that the surest way to accomplish it would be for Mr. Morgan and other representatives of the street to get out and make a noisy fight against it? If that were being done would not Mr. McNeal himself and all those who reason as he is apparently doing in this case, with his liver and not with his brain, be hotly advocating the plan on the ground that it must be a good thing for the people or Morgan would not be against it?

The thing that is "fundamentally wrong" is Mr. McNeal's method of reasoning. If the new plan is wrong it ought to be possible to point out the point of iniquity in the plan itself. In the consideration of a great national policy we ought surely to be able to give some better reason for the faith that is in us than mere personal prejudice.—Iola Register.

I will admit that if the word "ratiocination" which my old time and misguided friend Charley Scott flings at me had hit me it might have made me more or less "groggy." It is hardly a proper word to use in a newspaper controversy, but in this case it may be. It suggests the word "rats," which best expresses my thoughts as I read what Charles has to say.

He would have us believe that the Wall street magnates are for this bill only for the purpose of defeating it.

On March 11, 1911, the New York chamber of commerce, made up almost entirely of Wall street bankers and financiers, unanimously passed a resolution favoring the Aldrich measure. I presume that was simply a cunning and effective way of trying to defeat the measure.

On February 11, 1911, Frank A. Vanderlip, president of the National City bank of New York, commonly known as the Standard Oil bank, went to Chicago and made a lengthy address favoring the Aldrich plan. I suppose, however, according to Charles Scott, that his real object in taking that trip to Chicago and making that speech was to do what he could to kill the proposed measure. Practically every bank of any importance in New York, and EVERY bank controlled by the Wall street interests is on record as favoring the Aldrich bill. Who would have supposed if my ex-congressman friend had not discovered it, that their real object was to kill the bill by favoring it?

"Ratiocination," Charles, also rats! without the "ocination."

However, I agree that the Aldrich plan ought to be considered on its merits regardless of whether Wall street is for it or against it. It is of course impossible to believe that these wise financiers deliberately and enthusiastically commend a measure that will shear them of the power they now possess

or lessen their profits, but possibly, you know, they may be mistaken. Possibly that noble champion of the masses and sworn foe of special privilege, Senator Aldrich, might have slipped one over on these Wall street fellows while they were not looking. So I say the bill itself ought to be judged on its own merits. The objections to it ought to be pointed out, if there are objections.

1. I object to the bill because after reading it and rereading it a number of times I am convinced that it is bottomed on injustice and intended to place the business of this country at the mercy of the most powerful financial combination the world has ever seen. It purposes to place the control of all the banks of this country in the hands of a private corporation which will be completely dominated by Wall street influences.

2. It will absolutely control the volume of currency of the country and contract or expand it at the will of the Wall street powers who will dominate the organization and in accordance with what they may deem to be to their selfish advantage.

3. While pretending that its currency will be based on a gold standard there is nothing in the bill that compels the association to have a single dollar of gold in its reserves.

4. It takes from the government all power to control the currency of the country, demands that the United States treasury be emptied into its coffers to be used for the profit of its membership, and proposes to make itself the financial guardian and dictator of the republic.

5. While there are some statements about what the managers of this gigantic and irresponsible banking and money trust shall do and what they shall not do, there is not a single penalty provided for exceeding their powers by the officials of the association in any one of the 58 sections of the bill. It is the most colossal bunco game that was ever attempted to be worked on the American people.

6. While there is an effort to begot the minds of the people with a lot of intricate sentences about the general voting power of the members of the association, a study of the bill reveals the fact that the supreme control of the gigantic monopoly is to be placed in the hands of an executive committee of nine men, five of whom will be a majority. In other words the power to affect favorably or unfavorably, to make or break the business of 90 million people is placed in the hands of five men, whose acts are not to be punishable by any penalty and who will have greater and more unrestrained power than any officials of this government possess at the present time.

7. The advocates of the bill try to make it appear that the government will have a hand in the management of the association because the bill provides that the president of the United States shall appoint the president of the board of directors. The fact is that the president will only be permitted to appoint one of three men suggested to him by the board of directors and that will mean one of three men selected by the executive committee of nine. That means that the president of the United States shall humbly name only the man who is entirely satisfactory to the powers in control of the association.

8. Under the provisions of this bill any small bank that begins to act independently, to question the powers of the mighty nine or five who will have supreme control, can be disciplined, ruined in fact and taught that its right to live depends on the suppleness of its knee action and willingness to dance to the music furnished by Wall street. Under the provisions of this proposed law the central association becomes greater than the powers that are supposed to create it.

9. Under the provisions of this proposed bill the government, that is the people, give everything and receive nothing. It is true that there is some indefinite expression about turning over to the government the profits of the central association when those profits exceed 4 or 5 per cent, but it will be entirely easy to always keep the profits of the central association down to the limit.

10. With almost unparalleled impudence the framers of this bunco measure propose to tie the hands of congress after the measure is passed so that the bill can not be interfered with for 10 years by any act of congress.

11. And finally, the proposed bill was conceived in sin and brought forth in iniquity. It is a cunningly devised measure to flimflam and hoodwink the American people.

#### INCREASED PRODUCTION AND LOWER PRICES.

Mr. Editor—I have read your articles in Passing Comment in Farmers Mail and Breeze on finance, co-operation and other subjects pertaining to farming, and I desire to commend the stand you take on these questions. In your article "Brains and the Soil" you make this statement, "With land selling at from \$125 to \$150 per acre it means something to increase the yield of each acre by from 75 to 100 per cent." I don't know what you think it means, but we farmers know that if we increase the products of the farm 100 per cent it would mean that the price of our products would be cut in two in the middle. We farmers know that the railroads, dealers and ultimate consumers would be the ones that would be benefited by the increase. Kansas spends thousands of dollars each year in teaching farmers how to produce more but not one dollar is spent in teaching him how to market what he produces at a profit. Do business men, such as manufacturers, spend all their time and money in producing and nothing on the selling end of the business? Farmers believe that all this agitation for increased crop yields is for the purpose of decreasing the cost of living at the expense of the farmer. If we could have a level price the

year around for our products, say \$1 per bushel for wheat, 50 cents for corn, 6 cents per pound for hogs and cattle, in five years we would double the yield of these products of the farm without one dollar of expense to the state or national government. J. W. CUNNINGHAM.

Meriden, Kan.

If all farmers in the country were to suddenly double their production the effect would undoubtedly be just what Mr. Cunningham says. The price would fall unless new markets could be created for the surplus. But only a small per cent of the farmers will double their output by better cultivation and the result will not be a sufficient increase in the aggregate to affect the price. As a result the farmer who does take the trouble and who exercises the skill and intelligence necessary to increase his production will make money where his more careless neighbor will not. However, when Mr. Cunningham stops to think about it I do not see how he could advocate careless cultivation in any event. It certainly would be better to cultivate only half of the ground if as much could be raised by better cultivation as now can be raised on the double acreage by present methods of cultivation. Better cultivate half the ground well and let the other half rest. Experience has demonstrated that careless cultivation not only brings small crops but the fertility of the ground decreases much faster than when the ground is carefully cultivated. Indeed careless tillage exhausts the soil while under proper cultivation the farm gets richer year by year. I freely admit that the present day problem is fully as much and I think more a question of distribution than one of production. If all the people of the world had plenty to eat or rather if they all had the ability to buy and pay for all they should have to eat there would be no danger of an oversupply. The farmers might easily double their production and still count on good prices. However that fact does not justify careless tillage. Careless tillage is bad for the farmer and bad for the farm.

**FROM AN EXPERIENCED TEACHER AND EDITOR.** I have just received the following letter from a Kansas man who was for years recognized as one of the leading teachers of the state and who today is known as one of the state's brightest editors. As his letter is personal I refrain from publishing his name:

Editor Mail and Breeze—I have just been reading what you say about the old time McGuffey readers and Ray's arithmetics and Harvey's Grammar. What you say strikes me about right. My common school learning was gotten from those very books—and it seems to me that never after did I find texts quite their equal.

There is no question in my mind but that McGuffey's series of readers was in every way superior to those of this generation. The moral tone was excellent and the selections were from the fine old masters of the English. No boy of today can certainly look back with affectionate regard for his old school books as we can. I have today a line of the old books, the readers and the speller and the arithmetic, both the "mental" and the third part, and the Harvey's Grammar, and I guard them as carefully as I do the family keepsakes.

The above letter is interesting to me for more than one reason. I know the excellent literary taste of the writer and therefore give weight to his judgment. It also answers the objection of the opponents of state publication who insist that we could not get first-class books under that system. The copyright on the McGuffey readers as well as on the arithmetic and grammar mentioned expired long ago. If other chesty authors did not wish to permit the state to publish their books on a reasonable royalty basis they could keep their books. The state could get as good or better books with which there could be no copyright interference.

#### A Great Wrong Being Done

Of all the bad blunders in law-making, it seems to me, the Kansas Inheritance Tax Law is one of the worst. We should not let it continue another year in its present form. It requires quite a bit more than the income from \$5,000, or even \$20,000, at the usual rate of interest, to properly support the widowed mother and her children. This great state cannot afford to say to them: "Your husband and protector is gone; you must now divide with the state." Not a dollar of these small estates can be spared for ANY use except for the necessities of life, and I do not believe any man who will look this proposition squarely in the face and consider it from the viewpoint of the widow and the orphan will oppose a change in the Inheritance Tax Law placing the exemption at not less than \$25,000.

Kansas does not need—and, I am sure, does not WANT—to compel the widow and orphans to divide their pittance with the state treasury! Such a law is not in harmony with the Kansas spirit of a square deal to everyone. These small estates have been in most instances accumulated by hard working men and women who endured the hardships and privations of pioneer life to secure a home for themselves and their children. The state should not take one dollar from the widow or orphan whose sole means of support often is the small estate that has been left to them and upon which for many years they must lean.

I want to go on record NOW to this effect: If I am elected governor of Kansas I will do all within my power to have the Inheritance Tax Law repealed or amended in accordance with these ideas.

*Arthur Capper*



## JAYHAWKER FARM DOIN'S

BY H. C. HATCH, GRIDLEY, KANSAS.

We like to get the experiences, views and opinions of "our folks" on any farm or livestock subject particularly if seasonable and likely to help some of us who may need the information. Your letters are always welcome. Subscriptions to Farmers Mail and Breeze or other good publications for best letters received. Address Editor Farmers Mail and Breeze, Topeka, Kan.

Corn is growing very slowly. The weather is too cool and today, June 8, it is giving us a pretty good imitation of April outside. This is not at all the kind of spring we expected to see following such a hard winter.

This week we planted our cowpeas. Nine acres were put in on ground well plowed and harrowed down. The field was plowed last fall, but so much pepper grass started that we plowed it again last week. This pepper grass, which is not a grass at all, but a weed, seems to exhaust soil moisture quicker than any other weed unless it be what is called fire weed or mare tail.

In starting our planter, which is a John Deere edge drop, for cowpeas, we first tried the three-cell plate with the chain on the middle sprocket. This did not exactly suit us so we got the Kafir plate and found that one pea would just pass through the hole. We put the Kafir plates in the planter and ran the chain on the largest sprocket. It planted very regularly, but the peas were 6 inches apart, which we thought too far.

After trying several other combinations we went back to the three-cell corn plate with the chain on the middle sprocket and planted the peas with this. It put in just a fraction more than 1 peck per acre, but the peas were not planted so regularly as with the Kafir plates and some of them were cracked. Next year we shall get a blank Kafir plate and have holes drilled so that the peas will be planted every 4 inches. The Kafir plate with the brush cut-off does not crack a single pea.

We have our land plowed which we intend to sow to Kafir and are waiting for a rain so that we can put it in condition. We are in no hurry to sow and shall think we are in plenty of time if we get it in the ground by July 1. Early sowed Kafir or cane gets woody and stock does not like it so well. If it can be sown so that a good growth may be out just before frost we think it makes the best feed. Many talk of binding their sown stuff this fall. We have tried that several times and while it is a fine way to handle the feed we do not think stock like it so well as that cut and put up loose.

Business took us to Kansas City last week and on the way we took especial notice of the growing crops. Corn is very backward, much of it appearing to have been planted after the big rain of May 10. The corn that was top planted looks best now, but listed corn never grows at the start, as the top planted does. After passing Ottawa few listed fields were seen. All corn is clean but small for the time of year. It is going to take the full season this year to make our corn.

Near Kansas City the pastures look much better than they did a year ago at this time, but they have no grass there as compared with the prairie pastures down in Coffey county. We think we are safe in saying that for the summer months there is no grass in the world that will put meat on stock equal to our Kansas bluestem pastures. Wheat looks well all the way through and oats look better than we expected to see after the late start the crop had.

Every time we go to a city we feel like coming back home and congratulating our horses that they live out on the farm where they can set their feet on good honest ground. It seems to us that the city horse must have a very hard time. Their feet must be feverish all the time clanking over the pavements. We do not wonder that the life of the horse in the city is short.

But gasoline is fast taking the place of horse power. While there are thousands of horses still used in the cities their places are rapidly being taken by gasoline wagons of all sizes and kinds. Trucks which carry enormous loads whiz

along with almost the speed of the ordinary auto. These trucks make a terrible racket and the thousands of gasoline cars of all kinds fill the air with their fumes. We didn't draw a breath while in the city that wasn't flavored with gasoline.

The course of the hog market has been a disappointment to many this spring. Most of us figured that hogs were due to take a raise by now, but instead of a raise we get a drop of about 50 cents. With corn at 80 cents the man who has it to buy will sell his hogs rather than buy the corn, haul it and run the risks of disease and further drops in the market. It is surprising how receipts of hogs hold up. We certainly thought that by June 1 an advance in price of 50 cents would be registered, which shows how easily it is to get fooled on what looks to be a certain thing.

A friend writing from Lane county about that hog pasturing proposition, says that he has pastured hogs a number of times on alfalfa for 25 cents per month and that it is a paying thing both for the man with the hogs and the man with the alfalfa. He says that 10 acres of alfalfa will pasture 75 to 100 head of hogs unless the season be very dry and that there will be hay to put up in the pasture besides. If it pays both parties in a pasture deal of this kind it certainly should pay the man who owns both hogs and alfalfa.

This friend thinks it not necessary for hogs on alfalfa pasture to have corn and he further says that hogs so pastured will make good gains. He declares that a good thrifty shoat weighing 100 pounds can be turned into alfalfa pasture in the spring, and that it will come out in the fall weighing from 200 to 225 pounds without any grain. It has been our experience that hogs of any size need a little grain to sweeten their stomachs, and that it pays well to give it to them, no matter how good the pasture may be.

In pasturing alfalfa in this section we have noticed that if enough stock is kept on it to keep the alfalfa fed down it is not long until the plant is killed. It may not work the same way in other parts of the state where the soil is better adapted to alfalfa, but here, on our upland alfalfa fields, we have to be pretty careful with it. Tramping in wet weather is hard on our alfalfa, for our soil is heavy and gets hard after stock have run over it in wet weather. Here in the river bottoms alfalfa makes a great growth, but our upland soil is not so well adapted to it as the soil farther west in this state. It is for this reason that we think so well of cowpeas for this corner.

It is very cool as we write this and since sitting down it has begun to rain. A good inch rain would not come amiss in spite of the fact that only a few days have passed this spring without a shower of some kind. We have never seen moisture go so quickly as it has this spring. A good heavy rain may fall and in an hour the roads will be dry enough to run an auto. The soil seems to be thirsty and it drinks all the moisture it can get and is ready for more. Such weather as this is fine for grass and small grain. Pastures are better than they have been for some years and cattle are making an extra good growth, for as yet few flies have appeared. Last year at this time the flies were about at their worst.

## OUR SPECIAL OFFER.

To new subscribers: The Farmers Mail and Breeze until January 1, 1913, for 25 cents. Call over to your neighbor or hail him as he passes on the road, if he is not a subscriber to The Mail and Breeze, and tell him about this special offer. Earn your own subscription. If you send us 4 of these trial orders and the \$1.00 collected we will extend your time 1 year.



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The boys at Camp Comfort are using the same stove that they had last year. It was the best they could get. It was a

## New Perfection Oil Cook-stove

This year they got a New Perfection Oven Also a New Perfection Toaster Also a New Perfection Broiler

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Is handsomely finished in nickel, with cabinet top, drop shelves, towel rack, etc. Long chimneys, enamel turquoise-blue. Made with 1, 2 or 3 burners. All dealers. Free Cook-Book with every stove. Cook-Book also given to anyone sending 5 cents to cover mailing cost.



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# MONEY!

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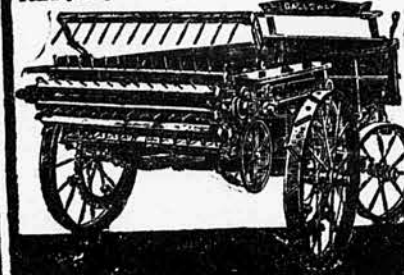
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Big Ben is the result of 26 years of fine clock making. The first Big Ben cost \$12.85 to make. The first hundred cost \$6.50 each. But the great demand has brought the price down to everyone's pocketbook.

**Buy Him Now  
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Big Ben, the national sleep-meter, is arousing thousands of farmers on time. Everywhere, everyday, the gentle, insistent voice of Big Ben taps the "sleepy head" to joyous action. This "minute-man" starts the day with a smile. Big Ben never fails—he's on the job always. He rings 5 minutes straight, or at intervals of 30 seconds for 10 minutes. He tells the truth and gets you and the farm hands up "on the dot."

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# Big Ben

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It is simple in construction, easy to operate. Has friction clutch drive, friction hand brake, pull back drum for returning empty hay carriers, sprocket chain or belt drive, with or without trucks. Can be operated from a distance. It's the best made, strongest, simplest hoist made. Sells at a price within the reach of all.

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## Feeds & Feeding

QUESTIONS ANSWERED  
by Prof. G. C. Wheeler  
(Address queries to Farmers Mail and Breeze)

All Matter Contributed to this Column by Prof. Wheeler, Expert in Animal Husbandry, Extension Service, of Kansas Agricultural College, Bears His Signature.

### Cane Seed, Kafir, Cowpeas, as Feed.

Please tell me what is the feeding value of Black Amber and White cane seed compared with Kafir, or milo. Also of barley compared with oats and cowpea seed compared with corn.—O. V. D., Shields, Kan.

Cane seed does not have anywhere near as great a value for feeding as Kafir or milo. It contains a bitter principle which is not relished by the animals, and from the experiments that have been conducted it would seem that it is much inferior to either of the above mentioned grains for feeding purposes. Of course, where a considerable quantity is on hand it would pay to feed it rather than waste it entirely.

Barley has a high feeding value; it is little, if any, behind oats. A great many experiments have been carried on with these grains here at the Kansas station. Sheep on barley and alfalfa have made larger gains for the amount of grain consumed than sheep fed on Kafir and alfalfa or corn and alfalfa. It is not quite so valuable as a hog feed since hogs do not relish the hull of the barley. As a rule it is better to pre-

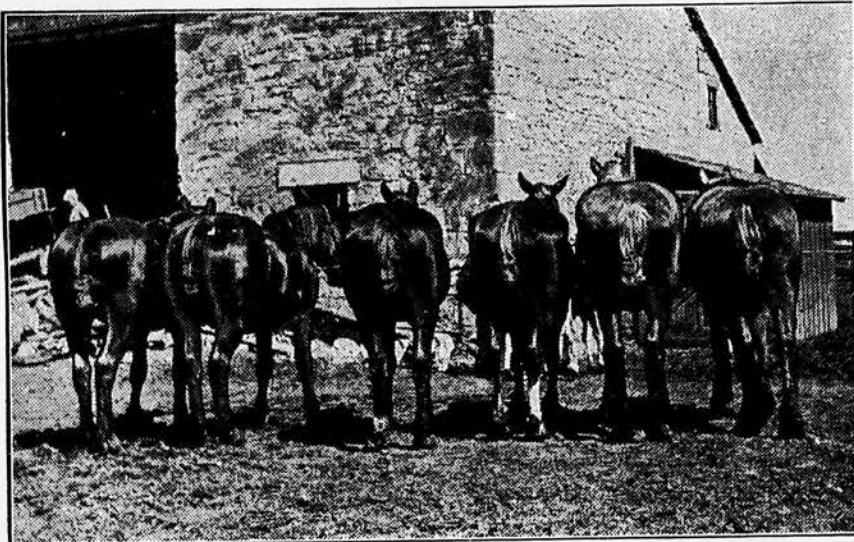
venient to handle, can be more readily stored and the waste portions make good bedding. Whereas uncut fodder is a great inconvenience when mixed with barnyard manure. Unless the corn could be husked by the use of the shredder as cheaply, or at a very little increase in cost over hand husking, it would hardly be considered a profitable practice.

Well cured corn fodder has a feeding value fully equal to prairie hay for feeding horses, sheep and cattle. It can be greatly reduced in value, however, by improper curing and handling. The greatest economy in connection with the utilizing of the corn plant is the use of the silo. With this method of preserving the fodder there is practically no waste, and the animals give much greater returns for the amount consumed than where it is preserved and handled as cured fodder. G. C. Wheeler.

### Farming With Brood Mares.

A reader of the Mail and Breeze who believes it pays to have as many mares on the farm as possible is O. H. Gugler, of Woodbine, in Dickinson county, and he practices what he preaches. The average mare he finds will do nearly as much work as the average gelding and if a mare should be hurt in any way so as to keep her from doing her share of work she can still be made to earn her keep by raising colts. He sends us a photo showing us some of his stock and writes:

"In the picture the five animals to the left are mares from 5 to 8 years old. They are of well-bred Percheron stock but not quite as heavy as I should like to have them. I like work horses that weigh 1,700 or 1,800 pounds, and will



FARM POWER ON THE GUGLER FARM, DICKINSON COUNTY.

pare barley for feeding by grinding or crushing, the rolling or crushed method being preferable to grinding.

The seed of cowpeas is very rich in protein and should be used as a supplementary feed, that is it should be fed in combination with carbonaceous feeds, such as Kafir and milo, or corn, as a means of supplying the necessary amount of protein to properly balance the ration. As a rule the greatest feeding value to be secured from cowpeas is by curing the whole plant and feeding it as forage. G. C. Wheeler.

### Does it Pay to Shred Fodder?

Does it pay to shred fodder? How much more feed will I get out of 20 acres of fodder by shredding it, in an average winter? About how much would a ton of shredded fodder lack of being worth as much as a ton of prairie hay for horses and cattle?—D. D. H., Erie, Kan.

The only advantage to be gained from the shredding of fodder would be to make it more digestible, and to induce the animals to eat it with less waste. In Wisconsin a few years ago some experiments were conducted by Prof. W. A. Henry, the results of which seem to indicate that about 24 per cent of a saving was effected by shredding the fodder. Prof. Shelton, of the Kansas station, conducted similar tests extending over three seasons in which the results showed that no more milk was given where shredded fodder was fed than where whole fodder was fed. The average waste of shredded fodder amounted to 31 per cent. The Missouri station conducted tests making direct comparisons between shredded and whole fodder, with similar results. In fact, the results obtained at the Missouri station showed a loss due to shredding the fodder.

The chief advantage coming from shredding fodder is that it is more con-

venient to handle. This bunch of mares raised four colts last year, two of the mares have colts now and two more will foal soon. This year I am breeding all five to a fine young Percheron horse."

This should prove interesting to the man who thinks the 1,400 or 1,500-pound horse heavy enough.

### Horse Breaking and Training.

Horsemen will find something well worth while in a new book entitled "The Training and Breaking of Horses" by Merritt W. Harper of Cornell University, New York. The book is sold by the Macmillan Company, 66 Fifth Avenue, New York City, who are publishing it. The price per copy is \$1.75 net. Mention Farmers Mail and Breeze when writing.

### Cowpeas Fattened the Mules.

Mr. Editor—We consider the New Era the best variety of cowpeas, as the yield of peas is better and the hay not so coarse. We have fed both the Whippoorwills and New Eras and stock will leave more of the former as the stems are coarser. I have fattened mules on cowpea hay three falls and winters and the results were beyond what I could have gotten from timothy or clover. They gave the mules a good appetite, made them take on flesh immediately, their hair laid down, and the hay seemed to have a general toning up effect on the whole system. I believe the same results could be obtained with cattle and sheep. I always feed the hay after the peas have been threshed out. Good cultivation is necessary to make cowpeas do their best. They may be drilled with a wheat drill, making rows about 28 inches apart and using about 1/2 bushel per acre. King Collier.

Marionville, Mo.

# Coal Robbery STOPPED

A terrific blow has at last been delivered to the crushing robbery of the Coal Trust. Every man who reads this paper has the opportunity right now of defying the Coal Trust and buying his coal direct from the coal mines at a saving of from \$1 to \$3 on every ton of coal. The coal which everyone may buy in this way is the best coal that can be mined.

To everyone who writes at once to the Harman Coal Company, of Chicago, an opportunity will be given to buy coal cheaper than you ever thought possible before. Every person who reads this column should not lose one moment before writing. There will be found a coupon at the bottom, which should be signed and sent to the Harman Coal Company at once.

Full explanation will then be made of how every one may buy coal direct from the mine at the wholesale price, and how every one who writes may have the opportunity of getting these wonderfully low no trust prices.



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Every reader of this paper is asked to send for this free book today. If you will refer to almost any newspaper you will read stories there by the editors about the fight being made by Harman Coal Company against the Coal Trust.

The free book tells you all about that sensational fight.

This book has aroused the whole country. The Coal Trust is preparing to spend millions of dollars to put this book out of print. But it is being circulated yet. Mr. Harman wants to send every reader of this paper a copy and every reader should tell Mr. Harman that he wants a copy.

This book tells you how you have the opportunity to throw off the shackles of the greedy Coal Trust. If you read this book you will never buy another pound of trust coal. It tells you about the terrible crushing ways of the Coal Trust. It tells you how you have been compelled to pay much more than you should pay for inferior coal. It tells you why coal prices have been going up—up—up; why you have been paying enormous prices for coal hardly fit to burn. It tells you of greed, robbery, extortion, threats, blackmails, blood money and tribute. Every man who burns coal should send for this great free book and read it. All along you have known that something was wrong. This book tells you just what is wrong. Send for it today. Learn how you can buy coal direct from the mine at the wholesale price.

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## Ten Eyck's Replies

TO FARM QUESTIONS

Conducted for Farmers Mail and Breeze by  
A. M. Ten Eyck, Superintendent Fort Hays  
Branch Experiment Station, of Kansas  
Agricultural College, Hays, Kansas.

### The Loose Ground Lister.

Three years ago, when I finished the second-year short course at the Agricultural college, which I am very thankful for chance of taking, they had a double row lister that was going to be tried for listing where the stalks had been plowed under in winter. It had a disk instead of a moldboard, so it would not clog. Are they a success? My wheat looks fine. The ground was double listed then "bugged" in and harrowed crossways. I started sowing September 11.

—R. C. W., Geuda Springs, Kan.

The lister to which you refer is called the loose ground lister and it works very well in loose trashy ground. I congratulate you on your successful showing for good crops. Proper and thorough preparation of the seedbed doubtless has played an important part in giving these crops a favorable start. You are evidently putting some of the education which you received at K. S. A. C. into practice.

A. M. Ten Eyck.

### Alfalfa Will Stand Some Flooding.

We have 60 acres of bottom land that have been in cultivation several years. It overflows every two or three years in the spring. This spring the water has been over it twice, except about 25 acres. Usually it remains 2 to 4 feet under water for from 15 to 20 hours, mostly backwater. What effect will overflow have on alfalfa? If we can successfully irrigate, will alfalfa pay more than second crop potatoes? We are installing an irrigation plant and are contemplating experimenting with second-crop potatoes this summer. This fall we expect to seed 10 or 15 acres to alfalfa as a test.

—S. & P., Memoka, Okla.

Unless the sediment covers the alfalfa, I do not think an overflow of from 5 to 15 hours will injure the alfalfa after it is once well established. If there are low places where the water stands for several days, alfalfa will be drowned out in such places. The field must have good surface drainage. The difficulty will be perhaps to get the alfalfa started. A good stand of alfalfa on this ground would be likely to pay better than potatoes.

A. M. Ten Eyck.

### What Grass to Sow in a Draw?

I should like to know what kind of grass to sow in a draw running through my field. It is first class bottom land in Chautauqua county. I have the west side of the draw in alfalfa and the east side in millet with the intention of sowing it to alfalfa this

### OUTDOOR LIFE

Will Not Offset the Ill Effects of Coffee and Tea When One Cannot Digest Them.

#### A farmer says:

"For 10 years or more I suffered from dyspepsia and stomach trouble, caused by the use of coffee. (Tea contains caffeine, the same drug found in coffee) until I got so bad I had to give up coffee entirely and almost give up eating. There were times when I could eat only boiled milk and bread; and when I went to the field to work I had to take some bread and butter along to give me strength.

"I doctored steady and took almost everything I could get for my stomach in the way of medicine but if I got any better it only lasted a little while. I was almost a walking skeleton.

"One day I read an ad for Postum and told my wife I would try it, and as to the following facts I will make affidavit before any judge:

"I quit coffee entirely and used Postum in its place. I have regained my health entirely and can eat anything that is cooked to eat. I have increased in weight until now I weigh more than I ever did. I have not taken any medicine for my stomach since I began using Postum.

"My family would stick to coffee at first, but they saw the effects it had on me and when they were feeling bad they began to use Postum, one at a time, until now we all use Postum." Name given by Postum Co., Battle Creek, Mich.

Ten days' trial of Postum in place of coffee proves the truth, an easy and pleasant way.

Read the little book, "The Road to Wellville," in pkgs. "There's a reason." Ever read the above letter? A new one appears from time to time. They are genuine, true, and full of human interest.

fail. I can cultivate across the draw; it is nice and dry except when we have a big rain. I would like to sow it in some good grass that would keep it from washing, and I would like to mow it with one of the cuttings of alfalfa.—G. W. T., Elgin, Kan.

Sow a combination of timothy and redbud with Alsike clover in the draw. Use 8 or 10 pounds of each of the grasses with 4 or 5 pounds of Alsike clover per acre. Early fall seeding may be preferable to spring seeding if you can get the soil into good seedbed condition, since this ground is easy to wash in the spring or heavy rains may cover the young grass. If you seed in the spring seed early, so that the grass will start ahead of the weeds and make a strong growth to resist washing and covering by heavy rains.

A. M. Ten Eyck.

### Cowpeas After Wheat Harvest.

I have an early variety of corn and as soon as I harvest my wheat I wanted to take one-half corn and one-half cowpeas and plant them with the lister and cut it this fall with the corn binder. What is your experience on this subject? And what kind of cowpeas should I use?—E. L. H., Potwin, Kan.

With a plentiful moisture supply your plan may succeed. I have grown cowpeas after wheat at the Experiment station at Manhattan and produced a fair crop of fodder and some ripe pods. I never tried the planting with corn so late in the season. You should use an early maturing variety of cowpeas. The New Era or Groit is preferred for late planting, but these varieties do not vine much and are not so desirable for planting with corn as the Whippoorwill or Blackeye varieties. The Early Blackeye, if you can get the seed, would be a good variety to use for the purpose named. I am mailing circular letters and Bulletin No. 160 giving information.

A. M. Ten Eyck.

### Getting Dry Land Ready for Wheat.

I have about 50 acres of cornstalk ground on which the wheat is going to be a failure and which I want to get ready for wheat next fall. Would you advise plowing it and then keeping the weeds down? I have been thinking some of listing it and when necessary, running through it with the sled to kill the weeds, and then after a while, harrowing it and if it needs more cultivation to kill the weeds, disking it. Also, have some plowed ground which I want to work and get ready for wheat.—H. F., Albert, Kan.

If the weeds and wheat are not too large, I should advise to list both fields as soon as possible in deep furrows about 3 to 3½ feet apart, making high ridges in order to cover the weeds. Later after a heavy rain and after the weeds start, level the ridges with a harrow by riding the harrow, or better use a disk lister-cultivator. After another rain, as the soil may require, you may relist, splitting the ridges, after which work the ground gradually to a level condition, giving sufficient and timely cultivation to destroy the weeds and put the soil in a well settled, well pulverized condition by wheat-seeding time.

Or instead of listing the second time you may plow some time in June or early in July and then give sufficient surface cultivation to keep the weeds in check and put the soil in good seedbed condition. This applies more to the field which has not been plowed. If the weeds are not too large to do a good job of listing, plow soon and harrow and after the weeds start, list into furrows and then gradually work the land back to a level condition. If the plowing is rather late and the soil remains dry and loose, better not relist but surface-cultivate to destroy weeds and firm the seedbed.

Perhaps the weeds may be destroyed on the plowed field by disking now, when the field may be listed later and then worked back to a level condition.

You observe that I have given you suggestions rather than specific directions regarding the exact method which you should pursue. You should bear in mind these facts: That the main purpose of the summer fallow is to store moisture and destroy weeds. The furrowed mellow condition of the soil is most favorable for storing moisture, hence the land should be listed or plowed deeply, early in the season. But an ideal seedbed for wheat should be well settled, hence the later cultivation should not be deep but the purpose should be to pulverize and firm the soil and in such a way and with such implements that the moisture shall be conserved and the weeds destroyed.

A. M. Ten Eyck.

Cut off the upper two-thirds of an old wash tub, put poultry netting over it and you have a good feeder for bran or dry mash for mature birds.



E. Myers,  
President  
E. Myers Lye  
Company

## I Will Prove To You That Merry War Powdered Lye Will Cure Sick Hogs

You, and every other Hog Raiser, know that if hogs can only be kept on their feet and on their feed and free from worms and cholera, there'll be no cause to worry about your hog profits. When I personally say to you, Mr. Hog Raiser, that MERRY WAR POWDERED LYE will do this and more, that it is the greatest Hog Remedy, Conditioner and Fattener, the world has ever known, I want you to take my word for it until you have had time to prove it for yourself—I know exactly whereof I speak because 30 years with MERRY WAR POWDERED LYE and a close study of Hog Conditions has made me competent to advise you.

Hundreds of Hog Raisers have written telling how glad they are that I told them that MERRY WAR POWDERED LYE would kill worms, hog cholera and put pigs in prime condition quickly for highest market prices.

Read What Adam Schultz, a McLouth, Kansas Hog Raiser, Writes

This is but one out of the big daily mail and it's mighty interesting reading for up-to-date Hog Raisers. "Before I began feeding MERRY WAR POWDERED LYE my hogs did not eat as they should. Some of them would not eat at all, but after I had fed MERRY WAR POWDERED LYE about 8 or 10 days, I could see a marked improvement in my drove and they now look slick and thrifty. I consider MERRY WAR POWDERED LYE the best remedy I have ever used—and the cheapest. I have spent a good deal of money at times but I never got the results from any of the so-called Hog Cholera and Worm Cure Remedies as I have from MERRY WAR POWDERED LYE." And that's the general testimony of Hog Raisers—and I just want to say to you that the very best way you can insure big, fat pork profits is to

### Feed Merry War Powdered Lye Daily

—and feed it just as regularly as you do their daily ration—you will find it a profitable investment—it not only prevents hog losses from Cholera, Worms, etc., but turns your golden grain into more golden dollars quicker than anything you know and costs so little, too a can.

### Follow these Directions

Mix one tablespoonful Merry War Powdered Lye with slop for 10 hogs or a half can with barrel of swill. Stir well and feed EVERYDAY, night and morning; if your hogs are on dry feed ration, mix half can Merry War Powdered Lye to each barrel drinking water.

### Heed My Warning

It's mighty important that you don't make any mistake—because some makers of ordinary commercial lye try to persuade dealers and hog raisers that their product is just as good as Merry War Powdered Lye as a hog remedy. Don't you be led astray by such talk—no other lye maker knows the secret process that makes Merry War Powdered Lye safe to use in hog feed—they don't know the combination in Merry War Powdered Lye that does the work.

### At All Leading Dealers

Most dealers handle Merry War Powdered Lye. If yours can't supply you, write us, stating your dealers' names, and we will send you a free, valuable booklet on "HOW TO GET THE BIGGEST PROFITS FROM HOG RAISING." Merry War Powdered Lye comes in 10c cans; full case of 4 dozen for \$4.00, at Grocers', Druggists', Feed Dealers' there are no substitutes.

**Kettle Powdered Lye For Soap Making** If you want the best lye, exclusively for Soap-Making, scouring, cleaning, disinfecting, etc., use my famous Kettle Powdered Lye—it makes the best soap you ever used. But Don't Feed It To Your Hogs. Feed Only Merry War Powdered Lye To Your Hogs.

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Why not sell your poorest horse and buy a Galloway 5 H. P. You will be money ahead at the end of the year.

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fully illustrating and describing all Galloway engines. The most complete engine book ever written. Printed in four colors and containing hundreds of letters from men all over the country who have long been using Galloway engines and know just what they are. Don't wait—don't put off! Sit right down now and write me for this book, because it actually means a saving to you of from \$50 to \$300 on a Gasoline Engine. It will pay you.

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THE WM. GALLOWAY CO., 205A O Galloway St., Waterloo, Iowa.



## Keep Out All The Rain With

### "Baker" Stack Covers

You need a "Baker" Stack Cover to protect your hay and alfalfa from rain. The least dampness will cause mildew—you can't afford to take any chances with ordinary stack covers as the loss of one ton will mean the loss of your profit. Go to your dealer and insist that he sell you a "Baker" Cover.

**GUARANTEED FULL WEIGHT** Our trade mark is your guide to a perfect cover; see that you get a "Baker". If your dealer cannot supply you with a "Baker" Cover, write us. Send for booklet, "Insured Hay Stacks", it contains valuable information you should know. Write today.

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Get a Square Deal Weigh your stock and grain on your own Scales and you're sure to get a square deal.

"McDonald Pitless" Scale —U. S. Standard—

used for weighing U. S. Mails. Shipped complete except flooring.

Built for hard service. 21,942 in daily use.

Steel frame and protected bearings make them always accurate.

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## Watch Your Hogs

during the hot weather. When the sun beats down they don't get enough exercise, they "get off their feed." Look out for Hog Cholera. Begin to mix

## Lewis' Lye

The Standard for Half a Century

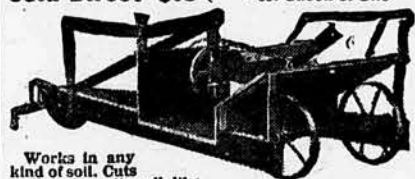
with their slop—a quarter of a can to every barrel—a teaspoonful to five gallons. For Lewis' Lye is the best hog conditioner known—is used by thousands of hog raisers. Don't take chances—get Lewis' Lye at once—better be "safe than sorry." It is in the can with the Quaker on it. Ask your grocer or write to us for our free lye book.

PENNSYLVANIA SALT MFG. CO.  
Manufacturing Chemists  
PHILADELPHIA

## The PERFECT CORN HARVESTER

Sold Direct \$18

Can Be Adjusted to Cut for Shock or Silo



Works in any kind of soil. Cuts stalks—doesn't pull like other cutters. ABSOLUTELY NO DANGER.

Cuts Four to Seven Acres a Day with one man and one horse. Here is what one farmer says:—

Overbrook, Kan., Aug. 28, 1911.  
Dear Sir:—My corn is not quite ready but I took the Harvester into the field to see how it would work. It cuts splendid. Easy to regulate the knife, easy draft. Yours truly, THOS. H. MCCLUNE.

**SOLD DIRECT TO THE FARMER**  
Send for booklet and circulars telling all about this labor-saving machine; also containing testimonials of many users. Send for this circular matter today.

LOVE MANUFACTURING COMPANY,  
1214 Citizens Street, Lincoln, Illinois.

## Shoo-Fly THE ANIMALS' FRIEND

Keeps flies and other insect pests off of animals—in barn or pasture—longer than any imitation. Used and endorsed since 1885 by leading dairymen and farmers.

\$1 worth saves \$20.00 in milk and flesh on each cow in a single season. Heals sores, stops itching and prevents infection. Nothing better for galls. Kills lice and mites in poultry houses.

SEND \$1, if your dealer can't supply you, for 250 cows and our 3-tube gravity sprayer without extra charge. Money back if not satisfactory. Write for booklet, FREE. Special terms to agents.

Shoo-Fly Mfg. Co., Dept. N, 1310 N. 10th St., Phila.

Editor knows from experience that Shoo-Fly is O. K.

THE Good Roof Guide Book tells what gives the wonderful endurance to

## Genasco

THE TRINIDAD-LAKE-ASPHALT Ready Roofing

Write for the Book and samples—free. The Kant-leak Kleet for smooth surface roofing is the up-to-date fastening.

The Barber Asphalt Paving Company  
Largest producers of asphalt, and largest manufacturers of ready roofing in the world.

Philadelphia  
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## Only \$2 Down One Year to Pay!

**\$24** Buys the New Butterfly Jr. No. 1. Light running, easy cleaning, close skimming, durable. Guaranteed a lifetime. Skims 95 qts. per hour. Made also in four larger sizes up to 5 1/2 shown here.

**30 Days' Free Trial** Earns its own cost and more by what it saves in cream. Postal brings Free catalog folder and "direct-from-factory" offer. Buy from the manufacturer and save half.

ALBAUGH-DOVER CO. (121)  
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**Sheet Music** Bargains in the very latest selections of a1 or than others can. We sell cheap. WRITE FOR CATALOG JENKINS MUSIC CO., Kansas City, Mo.

## Dairy Farming

CONDUCTED FOR FARMERS MAIL AND BREEZE BY A. G. KITTELL.

This department aims to be a free-for-all experience exchange for our folks who keep milk cows. We are glad to hear from you often. A Mail and Breeze subscription and other prizes awarded each week for helpful or interesting letters or bits of dairy news.

Rusty cans and pails are more useful outside the dairy.

The more butter is washed the more it is robbed of its flavor.

Cooling milk quickly after milking is one way of prolonging its sweetness.

A good churning will not leave over .2 per cent of fat in the buttermilk.

One great secret of keeping butter in summer is to have it good to begin with, then keep it cold.

For best results in buttermaking it is well not to have the churn over half full, and it is better to start with less.

To keep a cow from switching her tail nothing is so convenient as a hoop made of 5 or 6 feet of heavy rope, thrown over the rump.

The average milk cow drinks from 80 to 100 pounds of water a day. The more a cow can be induced to drink the better for the milk flow.

The flaring milk pail is being done away with in all sanitary dairies and the hooded pail with small opening is taking its place.

Sometimes it isn't the seller's fault when a cow doesn't come up to advance notices. An old Quaker sold a cow and some time afterward the buyer complained she was not yielding the promised amount of milk. "Thee should have bought my pasture, too," was the Quaker's significant reply.

### Milk Cooling Scheme for Summer.

Mr. Editor—For the farmer's wife who keeps only two or three cows I have solved the problem of keeping the milk and cream cool without ice, running water, etc. A clean outbuilding without a floor may be used or if there is a floor a part of it may be taken up. I found the smoke house just the thing. In one corner I had a trench dug wide enough so two crocks could be set side by side. The trench may be made any length. Mine is about 2 inches deeper than a 2-gallon jar and is boxed with inch boards. A lid was made of light material that would fit down tight over the box. I have some muslin cut in squares which I soak in cold water and put over the crocks in setting the milk away. This helps to cool the milk more quickly. Mrs. L. P. Shepherd.

Nabb, Ind.

### Sun Rack for Milk Utensils.

Sunlight is one of the best of disinfectants and it is free to everybody. There is nothing like good sunning and airing for milk utensils after they have been thoroughly washed and scalded.



The drawing shows a handy sun rack on which cans, pails and strainers may be conveniently hung. It is just as useful for kitchen utensils. Such a rack may be made from the upper portion of the main stem of a tree, leaving as many stubs of limbs for brackets as will be needed. Or holes may be bored slantwise into any soft wood post and brackets inserted. Now for some genius to figure out a scheme to fence out the dust during our Kansas breezes and still let in air and sunlight.

U. S. GOVERNMENT JOBS OPEN.  
Over 8,000 appointments coming, at from \$60 to \$100 month. Those interested should write immediately to Franklin Institute, Dep't C 177, Rochester, N. Y., for free list of positions open.

# DE LAVAL CREAM SEPARATORS

## Are In a Class By Themselves

They cost but a little more than the cheapest, while they save twice as much and last five times as long as other separators.



They save their cost every six months over gravity setting systems and every year over other separators while they may be bought for cash or on such liberal terms that they will actually pay for themselves.

Every assertion thus briefly made is subject to demonstrative proof to your own satisfaction by the nearest DE LAVAL local agent, or by your writing to the Company direct.

Why then, in the name of simple common sense, should anyone who has use for a Cream

Separator go without one, buy other than a DE LAVAL, or continue the use of an inferior separator?

## THE DE LAVAL SEPARATOR CO.

NEW YORK CHICAGO SAN FRANCISCO SEATTLE

# \$3,000 A YEAR



Mr. Chas. Foss, Cedarville, Ill., is making that and more on his 96-acre dairy farm. Mr. W. L. Hunter, Raymond, Neb., has had to enlarge his dairy to meet the great demand for his cream. N. H. Locke Company, Lockeford, Cal., gets 8 to 10 cents per gallon above highest market price for cream, and won 17 prizes at State Fair. You can win like success.

These men, like others making biggest profits, use the

## SHARPLES Tubular Cream Separator Exclusively

This is because Tubulars have twice the skimming force of other separators, skim twice as clean, pay a profit no other can pay. Tubular cream and butter bring extra prices because dairy Tubulars contain no disks nor other parts to chop or taint the cream. For these reasons, over 100,000 dairymen in Iowa alone use Tubulars. As widely used everywhere. Do you want a free trial? Want to trade your present separator in part payment for a Tubular? You can do either.



The Only Place in Dairy Tubular Bowls



Write for Catalog 156

THE SHARPLES SEPARATOR CO.

WEST CHESTER, PA.  
Chicago, Ill.; San Francisco, Cal.; Portland, Ore.  
Dallas, Tex.; Toronto, Can.; Winnipeg, Can.

# EMPIRE Cream Separators



Make The Most Dollars

GET all the cream, with the least work, at the smallest expense. The world's most skilled separator mechanics, use the strongest, longest-wearing material in their manufacture. Empire Separators, therefore

**Cost Most to Make Are Most Economical to Use**

Money spent in manufacture means money saved on the farm. Seventeen cents is the average cost per year for repairs on Empire Machines. Write us for Free Book and get the facts.

EMPIRE CREAM SEPARATOR COMPANY  
Department K, 1225 Wabash Avenue CHICAGO, ILL.





## Hackney Auto Plow

The Greatest Labor Saving Machine Made for the Farmer

The only "One Man Machine" on the market that will do the plowing, harvesting, haying, hauling and also the work of a stationary engine, where a power machine is needed.

Write today for illustrated catalog.

HACKNEY MANUFACTURING CO.,  
575 Prior Ave., St. Paul, Minn.

## DOWDEN PERFECT Potato DIGGER

SAVES HALF THE COST OF HARVEST

Simple, strong, durable, always in order. Works in all soils, all depths, hillside and level. Does not cut the potatoes—misses none—potatoes clean, on top of ground. Vines do not interfere with the working of the Dowden Digger. Write for Free Catalog.



Write today. Catalog FREE.  
Dowden Mfg. Co., 1203 Elm St., Prairie City, Mo.



## Bale Your Hay Quicker

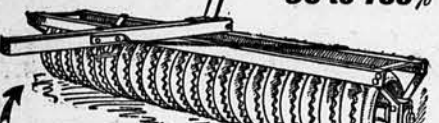
One Man and One Horse can easily and quickly bale all the hay on your farm. Then bale your neighbors' and get \$1.75 a ton—MAKE BIG MONEY BESIDES REGULAR WORK.

The only Successful Self-Threading, Self-Feeding, 1-man, 1-horse, self-feeding hay press on the market. Has open-side hopper—makes smooth, clean bales.

Powerful and durable in construction. Every machine guaranteed. Free trial. Write today for full description.

GEO. ETEL CO., 256 Kentucky St., Quincy, Ill.

## Packer, Pulverizer, Mulcher 3 Machines in 1



INC REASE ALL YOUR CROPS 50 to 100%

To pack and pulverize the seed bed and keep a loose mulch on top—to retain the moisture—is as important as to sow and to plant.

The Western Land Roller Will Do It All.

We sell direct to you. Free Circular gives description, price list and testimonials. Tells how to get better crops and increase your Winter Wheat yield by rolling in the spring—how to get a perfect stand of alfalfa with but 6 lbs. of seed per acre. Write for the FREE Circular today.

Western Land Roller Co., Box 125, Hastings, Neb.

## A GOOD LINIMENT FOR 20c

Can be made as follows: Take a quart bottle, put in 1 ounce ABSORBINE, 1/2 pint vinegar, 1 teaspoonful salt, fill up with water. This makes a good, general liniment for strains, wrenches, puffing, swellings, healing cuts, bruises, sores, to strengthen the muscles and toughen shoulders on work horses. Also as a leg wash or brace, in fact whenever a liniment would be generally useful.

ABSORBINE 20c a bottle at dealers or delivered. (One bottle ABSORBINE makes three gallons liniment as above formula.) Book 3 H Free.

W.F. YOUNG, P.D.F., 205 Temple St., Springfield, Mass.

## DEATH TO HEAVES! NEWTON'S

GUARANTEED CURE FOR HEAVES, COUGH, DISTEMPERS AND INDIGESTION CURE.

Cures Heaves by correcting Indigestion. Book explains, sent free. Cures Coughs, Colds, Distempers, Prevents Colic, Staggers, etc. Blood Purifier. Expels Worms. A Grand Conditioner. A Veterinary remedy, 20 years' sale. 50c and \$1.00 per can. Use large size for Heaves. At dealers or direct prepaid.

THE NEWTON REMEDY COMPANY, Toledo, Ohio.

## LADIES' WATCH AND RING FREE

FREE

Lady's size Watch, with your own initial engraved on it; stem-wind, a perfect little beauty; not the cheap kind—also handsome Fob and beautiful Signet Ring, all given absolutely free for distributing 12 of our high-grade 12x16 Enamelled Art Pictures. Write at once for the pictures.

When depicted and we will send Watch, Ring and Fob. Satisfaction guaranteed.

Address: Watch Headquarters, Dept. 300, Topeka, Kan.

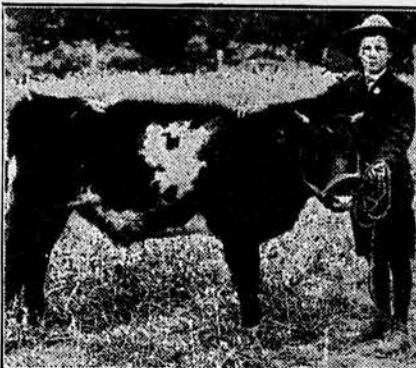
## All the Boys Need is a Chance

BEEF CLUB DOINGS.

I want to see the boys make a big hit with their baby beef show this fall at the Kansas State Fair and I haven't much doubt that they will.

All any Kansas boy needs is a chance. To the boy who hasn't entered:

If you haven't entered yet I want you to talk the matter over with your father this evening. You will probably find that he is perfectly willing and glad to have you enter that smooth little



Herbert Clark and his roan steer which he has entered in the Capper Boys' Baby Beef Club.

steer calf down in the south pasture, and begin bestowing especial attention upon him, in order to have him become the fattest calf in the state. Of course your reason for doing this will be to have him win the blue ribbon at the Kansas State Fair next September and one of the three cash prizes offered for the three best calves entered by the Capper Boys' Baby Beef Club at either of the two Kansas state fairs.

Tell him that you are sure you can fill that calf so full of good shelled corn, bran, oats, alfalfa and other good feed, that he will be the slickest, fattest steer he ever saw. Also remind him of the fact that every boy needs a chance to try his hand at the cattle business, and ask him if he doesn't think his boy and his boy's calf about as good as any that are to be found anywhere.

Then when he gives his consent write me at once giving me your name and age and the age of your calf so I can get you entered.

The Capper Boys' Baby Beef Special is now on the premium list of the two big Kansas State Fairs, the one at Topeka and the one at Hutchinson. A boy can show at one fair or he can show at both. Remember that at each fair besides the \$15 I offer for the best baby beef steer, I offer \$10 as a prize for the second best and \$5 for the third best. Equal amounts are offered by both State Fair associations. So you have a chance to win double money and a blue ribbon, at either of the two fairs.

Here's a letter I received the other day from Herbert Clark, who has already entered his calf in the Capper Boys' Beef Club:

My calf is a roan Shorthorn steer. He is 10 months old and weighs 400 pounds. Not nearly as large as he could have been, as he weighed 125 pounds when only one day old. But he is a dandy and always has been and if he feeds out right may want to keep him and see how big I can make him.

My first experience was in feeding some pigs my father bought me. My sister and I saved our pennies till we got \$11 all in pennies. Then papa bought us five pigs with our money and we fed them just four months and sold them for just \$50 even. We thought that was doing fine.

Papa read us about the Capper Boys' Baby Beef Club and I told him I would like to join and have a calf to feed. So papa said, "Just go ahead and feed that roan steer."

I have not named my calf yet but am going to ask you Mr. Capper to name him for me. I had some pictures taken of myself and calf the other day and will send you one.

Meriden, Kan. HERBERT CLARK.

I suggest that Herbert name that steer Kansas.

There are plenty of hustlers just like Herbert in the Mail and Breeze family, and I want them to enter this Baby Beef Contest at once, and show the world what Mail and Breeze boys can do.

Remember that the calf you select must be a year old or older by September 1. Most important of all do not forget to write me at once that you intend to enter the calf.

Herbert may give you a race, but I am sure you will make it interesting for him.

Arthur Capper

Publisher Farmers Mail and Breeze, Topeka, Kan.

## Keep Ahead of the Lice.

[Prize Letter.]

Mr. Editor—In whitewashing the poultry house I put a little crude carbolic acid in the whitewash as an extra aid in disinfecting. I use a bucket spray pump, as I find I can get the whitewash into the crevices better. It also saves much time and work and one does not need to come in contact with the lime. Our roost frame is fastened up to the rafters by means of pieces of stout wire. If pieces of bacon rind are placed so the ends of each roost rest on one, there will be no harboring place for lice at all. This means far less trouble with lice than when the roosts are fastened directly to the wall.

Whitewash roosts as well as the rest and as soon as it is worn off take any kind of old grease and mix stiff with sulphur. Smear this all over the roosts, putting plenty on the upper sides. No lice or mites can live around this mixture and the hens sitting on the roosts get it on their bodies and feathers, making it still more effective. It also cures scaly leg. After whitewashing the nests put sulphur and ashes in the bottom before putting in the nesting material.

Brownell, Kan. Mrs. J. W. Pugh.

## Limberneck—Cause and Cure.

[Prize Letter.]

Mr. Editor—Limberneck in chickens is caused by maggots that get into the neck and crawl of the bird and if let unmolested long enough they will eat through the lining and cause death. The next time a bird dies of limberneck open it and see if you do not find the maggots present. The best thing to do is to remove the cause. The chickens usually get the maggots around the hog pens and slop barrels where they pick at old bones, decaying flesh, and other matter that harbors maggots. As soon as you notice limberneck in the flock shut all the birds up and put turpentine in their drinking water. If any are very bad give them each a teaspoonful of warm lard or castor oil, at a dose and the trouble will soon disappear. But the best thing is to keep the poultry range free from anything that breeds the maggots.

Jetmore, Kan. C. E. Broughton.

## Denver Mud for Rousy Eyes.

[Prize Suggestion.]

Mr. Editor—If A. B. C. of Barnes, Kan., will get a small box of Denver mud at the drug store he can cure the swollen eyes of his birds that had the roup. Cut out small round patches of soft muslin large enough to cover the swollen eye and spread the mud rather thickly on it, then apply to the eye. If the eye has not run too long this will draw the swelling out. Meanwhile the bird should be confined to a small dark space where it cannot scratch or rub the plaster off. Before applying the mud carefully wash off the eye with warm water. It may take three or four days to draw out the fever, but I have cured some bad cases in this manner.

Lakin, Kan. Mrs. S. V. Goeden.

## A Three-Month Egg Record.

Mr. Editor—Eggs are as easy to raise as cockleburrs and one derives much more pleasure in gathering them. Our farm flock laid 4,000 eggs in March, 5,566 in April and 4,849 in May, or a total of 14,415 for the three months. We feed Kafir early in the morning, corn late in the evening, with plenty of fresh water and oyster shells before them all the time. We feed no wet food nor poultry powders and swat the lice whenever there are any around.

Severance Challenger.

Halstead, Kan. [For warm weather corn and Kafir is a risky diet. It is too fattening.—Ed.]

## Saves Her Little Chicks.

Dear Sir: For the benefit of your readers you may print the following: "I have been in the poultry business for years and have lost thousands of incubator chicks from bowel trouble or White Diarrhoea. Three years ago, I sent 50c (M. O.) to the Walker Remedy Co., L. 19, Lamoni, Iowa, for a package of their Walko Remedy, and since using it have had splendid success. Raised over 90 per cent and lost only a few from bowel trouble. Never had such a thrifty flock of the little downy fellows. If more poultry raisers knew of this remedy there would not be so much loss from that dread disease, White Diarrhoea."

Mrs. J. L. Shoemaker, Lucerne, Kan.

## Reliable Poultry Breeders

### PLYMOUTH ROCKS.

THIRTY EGGS five dollars. Duff's Barred Rocks, Larned, Kan.

BUFF ROCKS—Write me today for list. William A. Hess, Humboldt, Kan.

WHITE ROCKS—Quality good; eggs and chicks for sale. J. A. Kauffman, Abilene, Kan.

BARRED ROCK bargains for two weeks. Eggs, 15, \$1.00; 60, \$3.25; 100, \$5.00. Babies, 12, \$2.00. Breeders, either sex, \$1.00 each and up. Mrs. D. M. Gillespie, Clay Center, Kan.

BARRED ROCKS—Special prize matings of Missouri and Oklahoma winners. Eggs reduced to \$1.50 and \$2.00 per 15, beginning May 20. Splendid health and vigor. Mating list free. J. M. Wales, Springfield, Mo.

### DUCKS.

INDIAN RUNNER duck eggs—Pen one, fifteen \$1.50; pen two, fifteen \$1.00. Julia Little, Conway Springs, Kan.

INDIAN RUNNER duck eggs. Prize winners at American Royal, K. C. Mo. Heavy laying strain. Geo. E. Hobson, Pittsburg, Kan.

BUFF ORPINGTON DUCK eggs. \$3 per setting. Prize winners. Something new. Satisfaction guaranteed. Maud Wadsworth, Mound Valley, Kan.

INDIAN RUNNER ducks. American Standard. White eggs. Reduced price now. 75 cts. per 13. Still time to raise. R. J. Shirk, Ramona, Kan.

INDIAN RUNNER ducks (Fawn and White) for sale. 1 drake and 6 ducks. Ducks all laying. Write me. Dr. E. H. Kilian, Manhattan, Kan., R. R. No. 2.

### ORPINGTONS.

KELLERSTRASS White Orpington eggs reduced to \$1.50 and \$2.00. A. B. Collins, Yates Center, Kan.

KELLERSTRASS ORPINGTONS—Eggs \$1.50 per 15, \$2.50 for 30. Hens with chicks. Free catalogue. Phillips Farm, De Soto, Kan.

CRYSTAL WHITE ORPINGTON eggs reduced from \$5.00 to \$2.50; all others to \$1.50 for 15; catalog free. P. H. Anderson, Box M-53, Lindsay, Kan.

### WYANDOTTES.

WHITE WYANDOTTE baby chicks 12c each. Incubator eggs, 100 \$4.00. Mrs. M. E. Johnson, Humboldt, Kan., R. 2.

BUFF WYANDOTTES—Eggs and baby chicks from the finest lot of breeding stock we have ever mated. Mating list furnished on application. Baby chicks, \$3.00 a dozen, \$2.50 per 15. Two sittings \$4.00. Prices cut in half after April 20. Wheeler and Wylie, Manhattan, Kan.

### LANGSHANS.

SPECIAL SALE PRICE—Black Langshan eggs \$1 for 15, \$5 per 100. Mrs. Geo. W. King, Solomon, Kan.

BLACK LANGSHANS—Eggs from pens scored cockerels \$1.50-\$2.00; range \$1.00. Jehn Bolte, Axtell, Kan.

### LEGHORNS.

HART'S Single Comb Buff Leghorns give satisfaction. W. D. Hart, Ashland, Mo.

PURE Brown Rose Comb Leghorns. Eggs 3 1/2 cents each. Laura A. Hazen, Hollis, Kan.

GUARANTEED thoroughbred pure White S. C. Leghorn eggs, 15 75c, 100 \$4.00. J. A. Blunn, Sta. A, Wichita, Kan.

### RHODE ISLAND REDS.

SINGLE COMB RHODE ISLAND RED eggs, \$3 per 100; \$1 per 30. Mrs. Rosa Janzen, Geneseo, Kan., R. 3.

ROSE COMB RHODE ISLAND REDS—My 2 pens next 60 days reduced to \$1.00 15 eggs. Frank Tuttle, R. 2, Chanute, Kan.

### SEVERAL VARIETIES.

THOROUGHbred hens, cockerels, Runner ducks. Dollar each. Jordan Poultry Farm, Coffeyville, Kan.

43 VARIETIES, poultry, pigeons; cut prices on stock and eggs. Catalogue 3 cents. Missouri Squab Co., St. Louis.

### HOUDANS.

HOUDANS—World's greatest winter layers. Eggs and stock. Mrs. Lee Biglin, Alta Vista, Kan.

### BLACK SPANISH.

WHITE FACE BLACK SPANISH eggs for hatching, 15 \$1.00, 50 \$3.00, 100 \$5.00. A. W. Swan, Centralia, Kan.

### ANCONAS.

MOTTLED ANCONAS. Eggs \$1.50 to \$3.00 per setting. Baby chicks \$2.50 and up. W. Hardman, Frankfort, Kan.

FREE Literature will be sent to anyone interested in the wonderful Sacramento Valley—the richest valley in the world. Unlimited opportunities. Thousands of acres available at right prices. The place for the man wanting a home in the finest climate on earth. Write to a public organization that gives reliable information. Sacramento Valley Development Assn., Sacramento, California



(Crop Reporting Service of Farmers Mail and Breeze.)

**Guaranteed**  
**Ensilage Cutter** **BLIZZARD**

Sold on merit backed by 38 years' success.  
Proved strongest, most durable, smoothest  
running. Cuts green or dry feed and ele-  
vates any height. Knives adjustable at  
any time. Perfect construction through-  
out. Mounted or unmounted. Ask  
for free book, "Why Silage Pays."

Write  
for  
New  
Cata-  
logue  
Free



**Jos. Dick Mfg. Co.**  
**1456 W. Tuscarawas St.**  
**Canton, Ohio**

Stevens County—Two inches of rain within a week have put the ground in good shape and all small grain looks fine. Wheat is turning. Farmers are hurrying with their planting but will not finish before July 1. Grass is very good and stock doing fine. Surveyors are working in the

(Continued on Page 10.)

Name.....  
Address.....



## The WOMEN FOLKS

Conducted by Mabel E. Graves

We want this department to be of practical use to the women who read Farmers Mail and Breeze. If you have any favorite recipe, any helpful hint, whether it concerns the family, the kitchen, the children, the house; or if you have anything to say which would be of interest to another woman, send it to the Home Department editor. Prizes for the three best suggestions received each week will be, respectively, a set of triple-plated teaspoons in the beautiful Narcissus design, a year's subscription to the Household magazine, and a year's subscription to the Poultry Culture magazine.

The thing you remember best is the one you dig out for yourself.

If we get all the sunshine there is for us today tomorrow's troubles will take care of themselves.

The woman who is looking for opportunity can find it just where she is, if she is willing to take it as it comes.

The woman who when she goes visiting takes her comb along misses a good many chances of worrying over losing her hair.

There's just one trouble with women voting. When they have a little spare time they want to use it reading the things they are interested in and not politics. And no one who is not posted on the questions at issue should ever undertake to vote.

Some women would as soon have a snake in the house as a "novel." There are just two things the trouble with such women. In the first place, they don't know what a novel is; in the second place, they are too lazy and conceited to find out. And the sins of the mothers are visited on the children.

### Chicken Cheese.

Take old fowls and stew until the meat drops easily from the bones. Chop the meat, add salt and pepper and put back into the broth, which should be well cooked down. Let boil up, then put into a crock to cool. Slice and eat cold. This is nice for picnics, also to use early in the fall before butchering time.—Clara Butler, Appleton City, Mo.

### This Catches the Flies.

Last summer while making a preparation for putting on horses I accidentally discovered in two of the ingredients a mixture for sticky fly paper which seems exactly like what we buy, simply pulverized rosin dissolved in coal oil enough to absorb it. It takes a few days to dissolve and I find equal parts of lard and rosin better, since it can be melted on the stove. Then spread on heavy wrapping paper as needed.

Mrs. G. W. Wilson.

R. 1, Marshall, Okla.

### Better Than a Refrigerator.

Our cellar is dug and boarded up inside, with the separator room built on top instead of a dirt roof. So we dug a

hole in the cellar floor 2 by 3 feet and 2½ feet deep. I have two jars that I keep in this, one for butter and one for cream; and by keeping this little inside cellar damp and covered with a tight board cover the butter is always hard even in the warmest days of summer. The cream stays sweet much longer than if it were just kept in the cellar, and I prefer it to an ice box.

Oberlin, Kan. Mrs. A. E. Hatch.

### Mending a Broken Window Pane.

When it is convenient to replace a broken pane of glass it can be held together and made quite strong by screwing two small squares of wood, one on each side of the glass at the corner of the break. To do this, chip from the broken piece where the blocks are to be placed enough to admit a rather slim screw, then place the blocks opposite and screw together. Two persons will have to work together to do this.

Mrs. G. M. Whitney.

Edwardsville, Kan.

### Food Must Be Clean.

I am planning the education of my children, but I believe whatever they may do health should always come first. I find I must keep training them to put on when the weather turns cooler and to take off when it turns warmer. And I must teach them to be very careful about their eating. When fruits come I teach them to eat nothing until it has been looked over and washed, that it may be clean from any filth left by flies or other insects. Never allow children, or anyone, to eat food to which a fly has had access.

M. E. K.

### Make Your Own Belts.

These pretty belt designs are worked in padded satin stitch, the padding stitches being placed lengthways of the space to be filled and the covering stitches laid across from side to side. The designs may be stamped on white mercerized belting and worked in white or colored cotton, or done in silk on col-



### 8225 T—EMBROIDERED BELTS.

ored silk belting. Lavender and dull blue are always pretty on white, and green is pretty when combined with blue or brown. Or the entire design might be worked in a light shade and outlined with one much darker. The pattern (Priscilla design No. 8225T) includes four belt designs. It can be obtained from the Mail and Breeze Pattern Department, Topeka, Kan., price 10 cents.

### We Want Your Recipes

Don't forget we want your very best canning recipe. Not several of them, but your one that you like the best of all. For each of the three best canning recipes that we receive between now and July 1 we will give a set of silver narcissus teaspoons. Send it to the Home Department of the Mail and Breeze, and be sure it is sent before July 1.

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# MARKET PROBABILITIES

[Written Specially for the Farmers Mail and Breeze.]

The cattle market on Monday showed no important change from last week, except in Kansas City. There native steers were 10 cents higher, butcher cattle stronger, and medium steers from below the quarantine line were off 10 to 15 cents. St. Louis reported liberal supplies and steady prices, and St. Joseph light receipts and strong prices. Buyers are looking for cattle from below the quarantine line to be the determining factor in the market from now on. In Kansas City some 1,276-pound beef pulp steers sold at \$9, a record price for that class.

Last week was another throtter in the cattle market. New high records were established in St. Louis on steers and yearlings, and for heifers in Kansas City. In Chicago the top was \$9.40 and at other markets \$9 to \$9.15. Lack of primeness prevented records being established at all points. However, the high stage of the market shows on the 1,000 to 1,400-pound steers, short fed, and lacking finish that sold at \$8 to \$8.75. Added to the lack of thick flesh the weather was warm and cattle took on big fills, increasing the cost of beef. Prices advanced 20 to 40 cents. Last week the movement from below the quarantine line did not expand as expected, and at the same time the movement from the corn belt decreased. The total receipts of cattle at the five western markets for the week were short of 90,000, compared with 150,000 a year ago. General rains throughout the Central West strengthened the position of cattlemen. Summer pasture now is practically assured, corn has a good start and plenty of rough feed is in sight for winter. This places cattlemen in a position to resist declining prices, and while some recession is expected from the present high level for grass fat steers, there will be no bargain counter vending at any time this summer or fall. Packers will have a hand to mouth existence, and will enter the winter season with a very small supply of beef in chill rooms. It will take some time after new corn is available to make it show in offerings on the market. That the Texas supply is being absorbed without causing much depression lends color to the scarcity theory. In former years the June run of Texas cattle usually broke prices \$1 to \$1.50.

## Record Prices for Heifers.

After lagging for several weeks past, demand for butcher cattle broadened last week and prices were advanced 25 to 50 cents to new high levels for the year. Tops were quoted on straight heifers at \$8.50 to \$8.75, and about the same high range obtained for steers and heifers mixed, except \$8.85 top in St. Louis. Top prices for cows ranged from \$7 to \$7.50, and the medium grades in some cases were quoted up 50 cents. It was a clear case of short supplies forcing urgent buying and packers at the higher prices fell short on their orders. Countrymen have more incentive to hold sheestuff now than ever before and it will take high prices to draw supplies. Veal calves were quoted moderately lower.

## Better Demand for Stockers.

Everything in the stocker line was well cared for and prices were up in keeping with the advance on fat cattle. Receipts were small at all the markets. In a good many cases demand was increased by countrymen becoming uneasy because prices did not decline. It is nearly a foregone conclusion that thin cattle will not touch the bargain counter this year. Good crops will increase the demand.

## Further Reductions in Hogs.

Another 5 to 10 cents came off the prices of hogs at western markets on Monday. The top price in Chicago, St. Louis and Kansas City was \$7.45, and in St. Joseph \$7.40, and Omaha \$7.35. At this decline prices were the lowest

since the third week in March. At the low levels the demand was indifferent. Receipts all last week were larger than expected, and the total increase over the preceding week was about 90,000, but still 26,000 short of a year ago. Most of that decrease was in Kansas City, though packers there imported more than 15,000 from other markets. Market prices have varied but little at any points, and 5 to 10 cents would cover the margin. Eastern markets are showing over western points. Packers say that demand for pork has fallen considerably in the past 10 days, owing to fresh vegetables, eggs and fish being available at lower prices. Any curtailment in the movement of hogs will cause a quick rally in prices.

## Sheep Wanted; Lambs Too High.

Mutton grades have been selling relatively lower than the chop kinds for some time past and last week killers tried to force the market into a relative price position for the two grades. Their plan was to reduce prices for springs, and advance prices for sheep. Accordingly 25 to 50 cents came off of lambs, and about 25 cents was added to sheep. At present quotations there is a fairly well balanced price range on the two kinds. Spring lambs are coming more freely. St. Louis and Chicago reported a fair supply of Tennessee and Kentucky lambs, and other markets a good many native springs. About \$8.75 is market top for the best and the cull class sells as low as \$4. Some good native ewes and wethers, off grass, are coming, but the Texas movement is diminishing. Very little has been done in the stock and feeder line, except for breeding ewes, and they are selling readily. It will be late July before thin stuff is available. Western flockmasters are talking \$1 higher prices than last year.

## Crops and Farm Work

(Continued from Page 11.)

county on the Santa Fe cutoff.—Monroe Traver, June 15.

**Marshall County**—Plenty of moisture and everything coming on all right. Some damage done to wheat by hail in west part of county. Harvest will begin about last week this month. Not much wheat here and not many harvest hands will be needed. Oats turning out better than expected. Second crop of alfalfa 8 inches long.—Frank G. Stettin, June 13.

**Sherman County**—The drought was broken here the last of May and the ground has been thoroughly wet through since. Early wheat will make from 1 to 5 bushels, spring wheat from 6 to 20 bushels. Cut worms got most of the corn and forage crops have been put in its place. Grass could not be better and stock doing well.—J. B. Moore, June 15.

## OKLAHOMA.

**Mayes County**—Weather dry and hot and we need rain badly. Wheat and oats about ready to cut but crops will be light. Worms are damaging corn.—L. A. Howell, June 13.

**Noble County**—South and west parts of county need rain badly but north and east parts have been soaked. Corn looks good but very weedy. Wheat headed out and looks fine.—A. E. Anderson, June 13.

**Canadian County**—Weather hot and dry. Wheat and oats being harvested and wheat yields are estimated to range between 2 and 12 bushels, oats from 5 to 30. Potatoes are drying up.—H. J. Earl, June 15.

**Kiowa County**—Oat harvest is on and crop is much lighter than expected. Barley was too short to bind. Cotton and Kafir growing slowly. Corn and cane doing well.—Mrs. Alice Henderson, June 12.

**Choctaw County**—Weather fine but wheat has about been ruined by smut and rust. Oats are fine and about ready to cut. Corn looking well. Had good rains in portions of county today. Cotton not doing very well.—J. W. Jones, June 10.

**Tulsa County**—No rain for three weeks. Corn doing well and first plantings tasseling. Wheat promises a fair yield and oats will be above the average. Cotton not doing well. Pastures and meadows need rain.—W. H. Booth, June 14.

**Lincoln County**—Fine growing weather. Wheat and oats are ripe and will make good yields. Alfalfa ready for second cutting. Corn in bottom land is in tassels. Kafir and milo doing well. Fruit prospects never better.—J. B. Pomeroy, June 15.

**Garvin County**—After 4 weeks and 5 days of dry weather we had two heavy showers June 12 and 13. Corn will be O. K. with moisture from now on. Early oats damaged 25 per cent, late sowings 50 per cent. Kafir shows an average stand. Good first alfalfa harvest. Good stand of broom corn. Corn being laid by.—H. H. Roller, June 14.

**Kingfisher County**—Have not had rain enough to lay the dust for 40 days. Harvest in full swing and wheat will average around 10 or 12 bushels. Some early oats will make 20 or 30 bushels, but there are late fields that will make only hay. Corn and Kafir still doing well. Pastures dry and cows falling in milk.—H. A. Reynolds, June 15.

# BIG LAND OPENING

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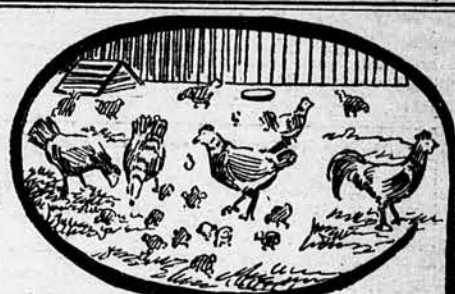
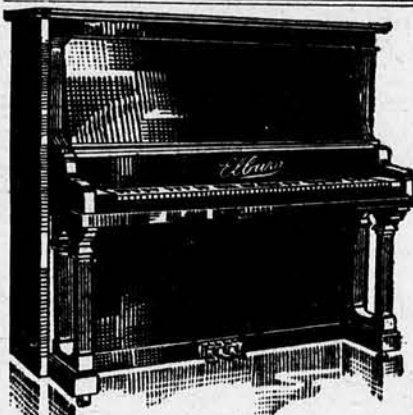
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**GET YOUR CANADIAN HOME** from the Canadian Pacific. Why farm on high-priced, worn out lands? Go to the rich virgin soil of Western Canada. Finest irrigated or non-irrigated lands from \$10 to \$30 an acre. Write for booklets on Manitoba, Saskatchewan and Alberta. G. W. Thornton, Colonization Commissioner, Canadian Pacific Railway, 112 West Adams street, Chicago.

**STOCK FARMS** and small ranch tracts. We will sell from the famous Spur Ranch (Texas) tracts from one section upward, ideal cattle region, with enough fine farming land to raise winter feed. Are also offering straight farming lands beside the combination with grazing. For full particulars, address Chas. A. Jones, Manager for S. M. Swenson & Sons, Spur, Dickens county, Texas.

**OREGON** and Southern Washington. Write before investing or coming west, so you can learn the facts about the Oregon country, its attractive climate and its agricultural and other opportunities. Official information gathered and vouched for by over 150 commercial organizations and by Oregon State Immigration Commissioner will be sent free on request; all inquiries answered in painstaking detail. For full information write to Room 637, Portland Commercial Club, Portland, Oregon.

## FARMS FOR SALE.

**ADVERTISE YOUR PROPERTY** in Kansas Weekly Capital for quick and sure results. 100,000 circulation guaranteed among best farmers in Kansas. Advertising rate only 25c per line of seven words. Address Kansas Weekly Capital, Adv. Dept., Topeka, Kan.

## FOR RENT.

**FOR RENT**—Completely equipped 7 thousand bu. elevator. Would sell. Address Pres. Farmers' Co-Op. Assn., Ray, Kan.

## FARM WANTED.

**WILL BUY** good farm. Well situated. Owners only. Give description and price. Addr. Coens, Box 754, Chicago.

**FARMS WANTED.** We have direct buyers. Don't pay commission. Write describing property, naming lowest price. We help buyers locate desirable property free. American Investment Association, 28 Palace Bldg., Minneapolis, Minn.

## DOGS.

**SCOTCH COLLIE** pups; good color. Write Chas. Gresham, Bucklin, Kan.

**FOX TERRIER** pups for sale. Good stock. Address Glinette & Glinette, Florence, Kan.

**FOR SALE**—Fox hound pups. Send 4c in stamps for prices. Rash Bros., Centerville, Kan.

**PAIR** female fox hounds, one with pup; first \$30 takes them. John Ledington, Leona, Kan.

**PEDIGREED** Scotch collies—One brood bitch, yearling stud. Puppies, \$3.00 up. Write quick. Victor Hargrave, Richmond, Kan.

**WOLFHOUND PUPS**. Sire half grey, half Stag. Dam: Reg Russian Wolfhound. Price \$3.00. 8 weeks old. Dandies. J. R. Cox, 1122 Penn, Kansas City, Mo.

**DOGS AT HALF PRICE**—Snow white Esquima puppies \$2.50 and \$5.00. Pointer puppies by Fishels Frank. Heavy weight English bulls and one collie brood bitch. Tested breeding stock of the above breeds reasonable. Brockways Kennels, Baldwin, Kan.

## MALE HELP WANTED.

**WANTED**—An experienced thresher man as separator tender. Good wages to right party. Geo. Rogge, Paxico, Kan.

**GOVERNMENT** wants employees. Write for list of positions open. Franklin Institute, Dept C 55, Rochester, N. Y.

**WANTED**—Post office clerks, city and rural carriers. Thousands needed. Examinations soon. Trial examination free. Write today. Ozment, 38, St. Louis.

**SALESMEN** wanted in Kansas, Oklahoma, Missouri and Arkansas. Work full or part time, as you prefer. Pay weekly. Outfit free. The Lawrence Nurseries, Lawrence, Kan.

**YOU ARE WANTED** for government job. \$80.00 month. Send postal for list of positions open. Franklin Institute, Dept C 55, Rochester, N. Y.

**500 MEN** 20 to 40 years old wanted at once for electric railway motormen and conductors; \$60 to \$100 a month; no experience necessary; fine opportunity; no strike; write immediately for application blank. Address F, care of Mail and Breeze.

**FREE ILLUSTRATED BOOK** tells about over 360,000 protected positions in U. S. service. More than 40,000 vacancies every year. There is a big chance here for you, sure and generous pay, lifetime employment. Easy to get. Just ask for booklet A 68. No obligation. Earl Hopkins, Washington, D. C.

**LOCAL REPRESENTATIVE WANTED.** Splendid income assured right man to act as our representative after learning our business thoroughly by mail. Former experience unnecessary. All we require is honesty, ability, ambition and willingness to learn a lucrative business. No soliciting or traveling. This is an exceptional opportunity for a man in your section to get into a big paying business without capital and become independent for life. Write at once for full particulars. Address E. R. Marden, Pres. The National Co-Operative Real Estate Company, 1157 Marden Building, Washington, D. C.

## AUCTION SCHOOL.

**MISSOURI AUCTION SCHOOL**, largest in world. Own largest living mule. 1404 Grand, Kansas City.

## FEMALE HELP WANTED.

**LADIES**—Have you spare time? We want reliable women to represent us; our goods sell in every home; we furnish everything; big commission. Morris & Co., Dumont, N. J.

**WANTED**—A farm raised woman between the age of 25 and 40, to become cook and housekeeper in small family. Someone that can appreciate a good home in every sense of the word. References expected and given. W. E. Barker, M. D., Chanute, Kan.

**WOMEN AND GIRLS** wanted to sell our up-to-date line of beautiful Post Cards; very latest styles; enormous demand; our agents make \$2 to \$6 a day in spare time; no talking or peddling necessary; our special copyrighted selling plan and a big package of beautiful samples for only 2 cts. to pay mailing expense if you mean business. Butler Post Card Co., 65 Capital Block, Topeka.

## AGENTS WANTED.

**WANTED**—Men in every town in Mo., Kan., Ill., Neb., Okla., Ark., to take orders for nursery stock. Outfit free. Cash weekly. National Nurseries, Lawrence, Kansas.

**WANTED**—Five general agents in the state of Oklahoma. Mail application giving detailed information concerning past record with one bank reference. Circulation Department, Farmers Mail and Breeze, Topeka, Kansas.

**AGENTS** make \$10 per day selling rugs at \$1 each; cost 55c; size 36x68. Sell from one to six at each house. Something every housewife wants. Three full size rugs for sample for \$1.65. Commerce Specialty Co., Commerce, Tex.

## HELP WANTED.

**WANTED**—Men and women; for government positions. \$80.00 month. Annual vacations. Short hours. No "layoffs." Common education sufficient. Over 12,000 appointments coming. Influence unnecessary. Farmers eligible. Send postal immediately for free list of positions open. Franklin Institute, Dept C 55, Rochester, N. Y.

## WANTED.

**WANTED**—La Crosse six-disc plow—1906 pattern. J. W. Melichar, Caldwell, Kan.

**WANTED**—Names of parties growing Pearl or Cat Tail Millet, Beardless Barley, Popcorn, Alfalfa Seed and other items of interest to Seedsmen. There is money in this for you as our purpose is to buy. Address Box 2, care Mail and Breeze.

## PATENTS.

**STEWART BROWN**, Patent Attorney. Write for particulars. Address Wichita, Kan.

**SEND FOR FREE BOOKLET**, All About Patents and Their Cost. Shepherd & Campbell, patent attorneys, 500 C Victor Bldg., Washington, D. C.

**PATENTS THAT PAY**, \$427,530 made by clients. 2 books—"What and How to Invent—Proof of Fortunes in Patents" and 112-p. Guide free! E. E. Vrooman, Pat. Att., 885 F St., Wash., D. C.

## TYPEWRITERS.

**OLIVER VISIBLE TYPEWRITER** for sale cheap. Perfect condition and does splendid writing. Could send on trial. Charles B. Rickart, Route 5, Rosedale, Kan.

## MISCELLANEOUS.

**HARNESS**—Our harness is correctly made and prices right. Write for catalogue. Ed Klein, Lawrence, Kan.

**LIGHTNING** destroys homes. Why not protect them with our copper cable? We sell direct to customers. Kinzie & Mellenbruch, Hiawatha, Kan.

**IF YOU WANT** to send a Kansas paper to your friends, subscribe for the Kansas Weekly Capital—a whole year for only 25 cents. All the Kansas and Topeka news of the Daily Capital boiled down. The best weekly newspaper in the U. S. for the money. Address Kansas Weekly Capital, Dept. 14, Topeka, Kan.



## FOSTER'S FORECASTS

### COOL ENDING FOR JUNE.

(Copyright 1910 by W. T. Foster.)

To Farmers Mail and Breeze:

Washington, D. C., June 22.—Last bulletin gave forecasts of disturbance to cross continent June 25 to 29, warm wave 24 to 28, cool wave June 27 to July 1. One interesting feature of this will be the very cool weather during that week; another will be lack of rain in large parts of the country. Much uneasiness may be expected about that time because of a deterioration in condition of the crops, but most damage is to be feared during July and August.

A great hot wave is expected to cross continent between July 1 and 15.

During that two weeks it will be generally hot and dry in large sections of the country. Symptoms of this drouth appeared in the Southwest in May and June and are expected to drift eastward in July.

Next disturbance will reach Pacific coast about June 30, cross Pacific slope by close of July 1, great central valleys July 2 to 4, eastern sections 5. Warm wave will cross Pacific slope about June 30, great central valleys July 2, eastern sections July 4. Cool wave will cross Pacific slope about July 3, great central valleys 5, eastern sections 7.

For that week dry weather will prevail, while the temperatures, as a general average, will be climbing higher. This will be a severe ordeal for growing crops and fortunate will be those localities that get good showers during that week.

First week in July will bring excellent weather for harvesting winter wheat and for threshing in the field. This good weather should be utilized in those sections included between latitudes 35 and

45. Following July 10 will not be such splendid harvesting weather in those mid-latitude sections.

### School Out At Manhattan

K. S. A. C.'s 49TH COMMENCEMENT.

A half century ago, lacking one year, Kansas Agricultural college held its first commencement day exercises. Could the visitor on that occasion have attended the 49th annual commencement at Manhattan last week he would have witnessed a wonderful transformation. Instead of the 50 or 60 students and two or three graduates of that day the past year's record shows upward of 2,500 students and almost 400 graduates. Of these graduates 147 finished the work in the short courses in home economics, agriculture and stock raising, 225 completed the four-year courses in home economics, agriculture and mechanics, and six others received master's degrees for special work done in the various sciences.

That the big farm school at Manhattan is strictly a Kansas institution is shown by the fact that out of the 2,523 students attending through the year all but 90 came from this state. Students from other states must pay tuition, while to Kansas students tuition is free. Among the foreign countries represented by students this year were Japan, China, Scotland, Mexico, Hawaii and the Philippine islands.

The campus and buildings at the college took on the usual holiday appearance last week, for it was commencement time, which means the time when the college fixes itself up for visitors. The year's work was done, and so far as possible, was put on exhibition for the inspection of the visitors. It was a good time to visit the college and many people from all parts of the state took advantage of it. It did them good to be there, too, for it was an inspiration to attend the various exercises and to form a closer acquaintanceship with the work the college is doing for the state.



## WHAT BREEDERS ARE DOING

**FRANK HOWARD,**  
Manager Livestock Department.

### FIELDMEN.

A. B. Hunter, Kansas and Oklahoma, 410 East Williams street, Wichita, Kan.  
J. W. Johnson, Beloit, Kan., Kansas and Nebraska.  
C. H. Walker, Kansas, Missouri and Nebraska, 1015 Central, Kansas City, Mo.  
Geo. W. Berry, E. Kansas and southern Missouri, Copper Bldg., Topeka, Kan.  
Grant Gaines, Iowa, 334 Chamber of Commerce Bldg., Omaha, Neb.  
G. E. Hall, Nebraska, 334 Chamber of Commerce Bldg., Omaha, Neb.

### 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.

### Berkshire Hogs.

Aug. 27—J. T. Bayer & Sons, Yates Center, Kan.

### Poland China Hogs.

Aug. 7—John B. Lawson, Clarinda, Ia.  
Aug. 8—J. W. Pfander & Sons, Clarinda, Ia.  
Aug. 9—L. R. McLarnon, and J. O. James, Braddyville, Iowa.  
Aug. 23—A. B. Campbell, Geary, Okla.  
Oct. 9—Herman Gronniger & Sons, Bendena, Kan.  
Oct. 15—H. C. Granger, Lancaster, Kan.  
Oct. 16—H. B. Walter, Effingham, Kan.  
Oct. 18—W. E. Long, Meriden, Kan.  
Oct. 19—C. L. Brank, Hiawatha, Kan.  
Oct. 22—Jno. W. Noll, Winchester, Kan.  
Oct. 23—W. E. Epley, Diller, Neb.  
Oct. 24—L. E. Kline, Zeandale, Kan.  
Oct. 25—J. J. Hartman, Elmo, Kan.  
Oct. 26—R. B. Davis, Hiawatha, Kan.  
Nov. 1—Walter Hildwein, Fairview, Kan.  
Nov. 2—J. H. Hamilton & Son, Guide Rock, Neb.  
Nov. 13—Herman Gronniger & Sons, Bendena, Kan.  
Jan. 30—C. W. Jones, Solomon, Kan.  
Feb. 15—L. E. Holmes, Bloomington, Neb.

### Duroc-Jersey Hogs.

Aug. 31—J. R. Blackshear, Elmdale, Kan.  
Sept. 4—W. R. Huston, Americus, Kan.  
Oct. 19—H. B. Miner, Le Rock, Neb.  
Oct. 22—P. H. Pagett, Beloit, Kan.  
Oct. 26—E. M. Myers, Burr Oak, Kan.  
Oct. 29—W. W. Bales & Sons, Manhattan, Kan.  
Oct. 30—Thompson Bros., Garrison, Kan.  
Jan. 22—Thompson Bros., Garrison, Kan.  
Feb. 5—Samuelson Bros., Cleburne, Kan.  
Feb. 6—Samuelson Bros., Blaine, Kan.  
Feb. 7—A. T. Cross, Guide Rock, Neb.  
Feb. 22—Geo. P. Philippi, Lebanon, Kan., at Esbon, Kan.

### O. I. C. Swine.

Oct. 24—R. W. Gage, Garnett, Kan.

## Kansas and Oklahoma.

BY A. B. HUNTER.

If you want Red Poll breeding stock write or call on C. E. Foster, Eldorado, Kan.

Col. John D. Snyder formerly of Winfield, Kan., but late of Howard, will permanently reside in Hutchinson, Kan., where he is now located. Col. Snyder is a tireless worker and a great student of pedigrees.

The writer visited the Berkshire herd of Leon Waite, Winfield, Kan., and found Mr. Waite ready, as usual, to take care of his numerous customers. He is making attractive prices. Write him your wants.

E. J. Manderscheid, St. John, Kan., can supply your wants for fashionable bred Poland China breeding stock. His herd is strong in the blood of state fair prize winners. Call and see his herd or write your wants.

H. E. Fisher, Danville, Kan., would be pleased to supply you with Duroc breeding stock. You will no doubt want good individuals as well as fashionable breeding. You will find both in this herd. Write Mr. Fisher your wants.

If you want to know about the German Coach horse, Bergner & Sons, Pratt, Kan., who have a large number of this breed always on hand will be pleased to answer all letters of inquiry or entertain you at their Waldo Lake Ranch near Pratt, Kan.

Fred Mathews & Sons, Kinsley, Kan., are making prices on Hereford breeding stock

### Farmers Mail and Breeze Pays Advertisers.

Farmers Mail and Breeze, Topeka, Kan. I sold 16 pigs 8 to 10 weeks old to W. E. Monasmith, Formosa, Kan., last week.  
D. O. BANCROFT,  
Breeder of Duroc-Jersey Hogs,  
Osborne, Kan., May 14, 1912.

Editor Mail and Breeze, Topeka, Kan.  
Dear Sir—You wish to know the results obtained through advertising in your paper. Will say we raise Holstein cattle and find almost immediate and satisfactory sales.

We are well pleased.  
W. H. COFFMAN,  
Breeder of Holstein Cattle,  
Topeka, Kan., May 23, 1912.

Every week for years Farmers Mail and Breeze has printed voluntary letters from its advertisers and different letters are printed every week.

big, strong, yearling bulls, extra good cows and heifers, strong in the blood of Anxiety 4th are offered either singly or by the car lot.

### News From Walnut Grove.

R. C. Watson, Altoona, Kan., offers boars by B. & C's Col. and R. C's Buddy and spring pigs, either sex, by R. C's Buddy and Buddy's Bud. All stock priced to sell. Mr. Watson is selling hogs all the time, but has others coming on to take their places. He will have a big crop of fall pigs. The Walnut Grove herd is headed by two good sons of the great sire Buddy K. IV, both good individuals and both making good as sires of the right sort. These hogs are alfalfa raised and are good. Write your wants.

## Kansas and Nebraska.

BY J. W. JOHNSON.

S. B. Amcoats, Clay Center, Kan., has four Shorthorn bulls for sale of serviceable age. No better breeding and individually up to the best, for sale anywhere. Write for prices and descriptions.

### Good Report From Keeseecker.

Glen Keeseecker, Washington, Kan., breeder of Duroc-Jerseys, reports a fine crop of spring pigs. Not as many as last season but a promising lot. We will have more to say about this herd later on.

### Good Breeding Stock.

W. E. Epley, Diller, Neb., is a Poland China breeder at that place who owns one of the popular herds of big type Poland Chinas of southern Nebraska. He has stock for sale at all times and you will find him a fine man to deal with.

### Sows Ready for Shipment.

F. C. Gookin, Russell, Kan., breeder of O. I. C. swine, has some gilts bred for early fall farrow for sale. They are ready for immediate shipment. He also has some boars for sale. Write him, mentioning Farmers Mail and Breeze.

### Write Him for Poles.

L. E. Kline, Zeandale, Kan., is a breeder of big type Poland Chinas who has a collection of as good herd sows as can be found in the country. His crop of spring pigs are a fine lot and he has stock for sale at all times. Write him about your needs.

### Hogs and Dairy Cattle.

The Springdale Stock Ranch, Concordia, Kan., has registered Duroc and Hampshire hogs and Dutch Belted and Holstein cattle for sale at all times. The best milking strains of cattle and their hogs are equally as well bred. Write them for prices and descriptions.

### To Make Room for Springs.

H. H. Shaw, Hebron, Neb., has some fall Duroc-Jersey boars for immediate sale at prices that are right. Mr. Shaw has a nice crop of spring pigs and desires to make room for their proper care and will price these boars to sell them quick.

### A Real Live Wire.

Write C. W. Jones, Solomon, Kan., for his private sale catalog. Mr. Jones is a breeder of Poland Chinas that you ought to know if you do not, as he is a live wire in the business. "Captain Jack" makes his home with Mr. Jones and that is introduction enough.

### Shorthorn Bulls for Sale.

L. M. Noffsinger, Osborne, Kan., has some choice young Shorthorn bulls for sale. Roans and reds. From 10 to 18 months old. Mr. Noffsinger is well known as a breeder of high class Shorthorns. Write him for prices and descriptions of these bulls.

### Ask About These Hogs.

J. Lee Dunn, Russell, Kan., is a breeder of Duroc-Jerseys who has a nice number of pleased customers to his credit last season. He has a nice crop of spring pigs and will sell them at private sale. Now is a good time to write him about a boar or gilts.

### A Herd Boar for Sale.

J. M. Baier, Elmo, Kan., has something of interest to tell you if you are looking for a herd boar that has a reputation as a sire and one that will make double what he can be bought for in your bred sow sale next winter. Write him at once if you are looking for a herd boar that has already made good.

### You Can't Beat This.

A. L. Albright, Waterville, Kan., has for sale some extra choice boars. A few real herd headers. Some of them are of fall farrow and a few choice spring yearlings. They are right and will be priced worth the money as they must be moved soon. You can't beat this opportunity if you want a good boar of the big smooth kind.

### Good Tatarax Sows.

W. W. Bales & Sons, Manhattan, Kan., have a fine crop of spring pigs. They are located on a farm joining the Agricultural college on the north and visitors are always welcome. Until this spring they owned an interest, with Geo. Hammond, in the well known Tatarax herd, which was maintained at that place. They are owners of a string of Tatarax sows that are great. The date of their boar sale is October 29.

### Builds Business on Merit.

D. O. Bancroft, Osborne, Kan., is a breeder of Duroc-Jerseys, that always raises a big crop of spring pigs. He never makes public sales but sells them direct to his customers on mail orders. He never ships

out a pig that is not a first class animal. He has a big mail order business. His card appears in Farmers Mail and Breeze the year round and in fact has never been out of it for five years. He is ready to price boars and gilts and sows bred to farrow this fall. Write him and you will get a prompt reply.

### A Herd of Tops.

The Higgins Stock Farm, Abilene, Kan., is the home of a fancy herd of Duroc-Jerseys, purchased at long prices in Iowa, Illinois and other states last winter. June 4 the top of the J. J. Baker sale, Independence, Kan., went to this herd at \$74. The Higgins Stock Farm is the home of one of the best herds of fancy Durocs in the state. They have an ideal farm for the business and a fine crop of spring pigs. They will hold no fall sale but will have some fine boar pigs for sale this fall if nothing happens.

### All Kinds of Breeding Stock.

J. J. Hartman, Elmo, Kan., reports some good sales recently. Mr. Hartman is a well known breeder of Poland Chinas and is one of the best breeders in that section of the state. He has a fine crop of spring pigs, over 100 head, and has claimed October 25 as the date of his boar and gilt sale. At the head of his herd are two boars that it would be hard to beat anywhere. Mr. Hartman has something to sell at all times and you can't do better than write him if in need of a boar, bred sows or open gilts.

### Farmer-Stockman-Auctioneer.

In this issue, in the auctioneers' section, will be found the advertisement of Col. W. H. Trosper of Frankfort, Kan. Col. Trosper's card has been there before and he is pretty well known to the breeders of northern Kansas, at least, and has an acquaintance in Nebraska and is deservedly popular wherever he is known. He is post graduate of farming and stock raising and counts this education as of more worth to him on the auction block than any other education that could be attained. On the block Col. Trosper is perfectly at home especially when selling purebred animals or farm animals of any kind. He owns one of the best farms in Marshall county and looks after it personally. He owns a nice home in Frankfort where he resides with his family and is a booster for his town, county and state and is proud of the good herds of purebred stock that are becoming better and more numerous every year in his locality. As an auctioneer that can get the money and give the best of satisfaction to all concerned we cheerfully recommend Col. W. H. Trosper of Frankfort, Kan. Write him about your next sale.

### Big Smooth Poland Chinas.

J. H. Harter, Westmoreland, Kan., has for a number of years enjoyed the distinction of owning and maintaining one of the top herds of Poland Chinas in northern Kansas. His type is a big smooth hog that has become very popular with breeders and farmers all over the country. This is also the home of Mogul's Monarch, one of the popular herd boars owned in the West. Captain Jack, now in C. W. Jones's herd, is a son of Mr. Harter's and was for a number of years in Mr. Harter's herd and we were shown a fine line of herd sows by this great boar when we visited Mr. Harter's herd last week. Mr. Harter is known as a careful, painstaking breeder and has the confidence of everyone. Last fall his herd went through the cholera and while he did not lose many it was a setback that cost Mr. Harter lots of money. Breeders like J. H. Harter should be encouraged as they help the business in promoting the breeding of better and more profitable hogs. Mr. Harter has claimed October 31 for his boar sale and February 18 as the date of his bred sow sale. We will have more to tell you about this herd and these sales later on.

### Good Spring Boars.

L. E. Holmes, Bloomington, Neb., is a breeder of big type Poland Chinas that is getting into the game in fine shape. He has been in the business in a modest way for a number of years and has been strengthening his herd each year by adding new blood, making a close study of the different families of Polands. Two herd boars are in use in this herd that are a credit to it and to Mr. Holmes's ability to select the right kind. Hyden's Big Hadley 2d 54162 is a Hadley bred boar that would weigh 1,000 pounds easily in show condition. He is a splendid breeder and valued very highly by Mr. Holmes. The other is Prince 59218, by Blue Valley Look, by Blue Valley Quality and his dam is Faultless Girl. Both boars are sires of big smooth boars and gilts, the kind that is always in demand. Among the herd sows are as valuable sows and as good individuals as can be found in any herd. They represent the most popular strains of big type breeding and are the dams of as fine a lot of youngsters as you will find anywhere. For an early spring boar you should remember Mr. Holmes and his crop of strictly big type Poland Chinas. Mr. Holmes will sell his spring boars, the best of them only, at private sale and the gilts will be reserved for his February 15th sale of bred sows.

### Mitchell County's Big Fair.

The Mitchell county state-wide fair promises to be bigger and better in every way than ever before. Secretary P. H. Pagett is the busiest man in the county at present and reports most encouraging prospects. The premium list will be ready to mail by July 15 and the increase in premiums over other years is substantial, being about 15 per cent bigger on hogs, and about 25 per cent better on cows. The business men of Beloit have responded liberally in the way of special premiums and are encouraging and helping the officers in every way possible. The city of Beloit is justly proud of their big fair and stock show and the big crowds that attend every year. The fair is held in a beautiful natural park only three blocks from the business part of town and has an abundance of shade. The fair has made money every year and is in a flourishing condition. Racing has never been indulged in partly because of no available track and partly because the association has learned that they can hold a more satisfactory fair without the horse racing than with them. Free attractions of a high class are always secured and Secretary Pagett is looking for the best band that money will procure for this season. The Mitchell county breeders' association will

hold their regular annual banquet one evening during the fair and the officers of the association are looking for a speaker of prominence in the livestock world for the occasion. Features of the Mitchell county fair that are becoming very popular are the livestock judging and corn judging. Last year about 35 boys were in the livestock judging class and this year over 50 are expected to be in the class which will be conducted by an Agricultural college expert. The corn judging class is a new feature and it is expected will prove very popular. Liberal prizes are given for the best Mitchell county corn. For premium lists and other information address P. H. Pagett, Beloit, Kan. The dates are October 1 to 5.

## Kansas, Missouri and Iowa.

BY C. H. WALKER.

### Duroc Offer Extraordinary.

F. P. Burnap of Kansas City, Mo., proprietor of the Ridgewood Farm herds of Duroc-Jersey hogs and Percheron horses, at Independence, Mo., is making a special offer and a mighty attractive one on 10 head of boars of last August, September and October farrow, sired by Minor Heir, a great breeding son of the champion Inventor. These boars are out of sows by Ridgewood Kant-Be-Beat, the boar formerly used in this herd, which was a son of the champion Kant-Be-Beat and Vail's Pride, the great daughter of Ohio Chief. These boars are bred in the royal purple and individually are of the right sort. They show extra good bone and feet, good heads and ears, and have been carried along so as to bring out their value as breeding propositions. They are in the right condition to go out and do well for the buyer. The prices at which Mr. Burnap is holding these boars is so conservative as to warrant quick sale. Considering their breeding and individual qualities, the prices asked offer an opportunity for the selection of herd boar material that should appeal to those in the market for such stock. Write Mr. Burnap at 107 West 10th street, Kansas City, Mo., for further information and particulars of the stock offered. His advertisement appears elsewhere in this issue. Kindly mention this notice or the advertisement when writing.

### Taylor's Duroc-Jerseys.

One of Missouri's good herds of Duroc-Jerseys is owned by Chas. L. Taylor of Olean. Last year at the Missouri State Fair Mr. Taylor's entries made a mighty good showing and the type and quality of his Durocs won the herd many admirers and future customers. It was Mr. Taylor who showed Queen Ester, the great daughter of B. & C's Col., the sow that won championship. This year Mr. Taylor has in training quite a number in the different classes and is planning on making other shows than at the state fair. This year's show herd will include three sows and a boar, farrowed March 23. These are sired by R. L's Model Chief, a line bred Ohio Chief boar. These pigs are out of a dam by Select Col. by B. & C's Col. For the under year entry in the boar class he will have a son of B. & C's Col. 2d, out of a dam by Crimson Wonder Again. He will also show two gilts by Crimson Wonder 3d and out of the champion sow, Queen Ester. He is bringing these show prospects along in good shape and they give every indication of developing into winners. Queen Ester is looking exceptionally fit and she is due now for a litter by Missouri Climax, a son of McFarland's 2d Climax. This is indeed a great sow and should produce a corking good litter by the boar that is the sire of a number of this year's spring pigs. The spring crop is large—for this year—over 100 head being saved and about half of these are of March farrow. Col. Wonder, by Crimson Wonder 3d, by Crimson Wonder Again is the chief herd boar and is the sire of the majority of the spring pigs. He is out of Queen Ester. He is a boar of top individual quality and is siring a type of pigs that give much promise. Mr. Taylor is now booking orders for spring pigs of either sex, large growthy pigs of the right color and individuality. They are the kind that find popular favor with those who demand the best in Duroc-Jerseys. In many instances they are litter mates to the ones in the show herd and should be of extra worth on that account. Look up Mr. Taylor's advertisement in this and subsequent issues and write him for further particulars and prices on the stock offered. Kindly mention this paper when writing him.

### Neef's O. I. C's—The Big Kind.

It is the exception when a breeder in two years builds up a successful, permanent and paying business in which he has orders for practically all the stock he can raise and when he can dispose each year of his entire output at private treaty. This is what John H. Neef, proprietor of the Riverside Farms, Boonville, Mo., has done with his O. I. C's the past two years. And the one main thing that seems to have done this is the fact that Mr. Neef has given value received. Considering the quality of the stock he sells the prices he asks is very conservative. Those who have bought pigs or bred sows or whatever stock they have purchased from Mr. Neef have bought them at prices that were on a live and let live basis. Mr. Neef's idea in

### ABERDEEN-ANGUS.

RIDGE PRAIRIE ABERDEEN ANGUS.  
Rutger Heatherson 3d 118104, a choicely bred Heatherbloom, in service. The best families represented. A few choice cows, bred, and open heifers for sale. Prices right, satisfaction guaranteed.  
W. G. DENTON, DENTON, KANSAS.

## BLACK COWS WANTED.

Want to buy 20 to 50 head of high grade Galloway or Angus cows or heifers. Must be good quality. Give price and full description in first letter.  
Walter Petty, St. Paul, Kansas.

## Sutton Farm Angus

For sale, our entire crop of 1911 spring bulls, individually or in carloads; great, well grown, lusty fellows, sired by the best of herd bulls. Bulls from this herd sire winning steers in Chicago, Denver, Fort Worth and Kansas City shows annually. Also 20 head imported and Canadian bred Shropshire sheep, and selections from a large and high class herd of Berkshire hogs.  
SUTTON FARMS, LAWRENCE, KANSAS.







**DUROC-JERSEYS.**

**FASHIONABLE BRED DUROCS**  
Graduate Col. at head of herd. Glits bred to him and spring pigs either sex by him.  
Royal Selon Stock Farm, Winfield, Kan.

**WALNUT GROVE FARM.**

Boars and glits, sired by B. & C's Col. and R. C's Buddy. Also spring pigs.  
R. C. WATSON, ALTOONA, KANSAS.

**CRIMSON WONDER AGAIN BOARS.**

1 yearling dam by W. L. A's Choice Goods, a herd header and show prospect. Several early fall boars, 3 full brothers to Crimson Wonder 3d. Booking orders for pigs by C. W. A. and other boars.  
L. R. VAN NICE, RUSSELL, IOWA.

**BEAVER VALLEY HERD DUROCS.**

Boars and glits sired by Grand Master Col. 11 94903 (Grand Champion and sire of winners at Oklahoma State Fair, 1911), Defender's Col. 112297, Autocrat 94765 and Muncie Col. 113779. Satisfaction guaranteed.  
W. A. WILLIAMS, MARLOW, OKLAHOMA.

**TAYLOR'S DUROCS** Booking orders now for choice spring pigs, over 100 head to select from, sired by Col. Wonder 12385 and Mo. Climax. Litter mates being fitted for fall shows. Prices right. Chas. L. Taylor, Olean, Mo.

**HEBRON FARM DUROCS**

Some good fall boars for quick sale. Also a few good sows.  
H. H. SHAW, - HEBRON, NEBRASKA.

**BRED DUROC GLITS FOR SALE!**

Fall boars, 2 yearlings, April pigs at weaning time. One extra good yearling herd boar. Write for prices and state your wants to J. E. WELLER, FAUCETT, MO.

**COLLEGE HILL HERD DUROC JERSEYS.**

March and April pigs priced at three months old. Tattarrax, G. M's Col. and Carl's Critic Breeding. State Fair winners. Write for prices.  
W. W. Bales & Sons, Manhattan, Kansas.

**BUDDY K IV, and B. & C's COL.**

Boars and Glits by these great sires and sows and glits bred to B & C's Col. For sale at reasonable prices. For full particulars write  
J. J. BAKER, INDEPENDENCE, KANSAS.

**Fisher's Durocs** Herd boars, Graduate Col. 28279a, Crimson Prince 69527, Ruby's Chief 10417, King's Col. F. 88365. These boars are among the best in the state, and sows in herd bred equally as good. Describe what you want, stating price you wish to pay.  
H. E. FISHER, Danville, Harper Co., Kansas.

**Spring Boars Ready to Ship**

Unexcelled in breeding and quality. A few from State Fair prize winners. Order while young and save express. For prices on young stock address  
C. O. ANDERSON, MANHATTAN, KANSAS

**DUROCS**

Great crop of spring pigs. Tried sows for August and September farrow, bred to our great boar, Good E. Nuff Again King.  
W. W. Otey & Sons, Winfield, Kan.,  
"The Men With the Guarantee."

**DUROCS FROM PAWNEE VALLEY**

Three yearling boars, herd headers. Some glits, same age and breeding. Also 17-months old herd boar, Ohio Chief strain. Also fall males. All immunized from cholera. Prices reasonable.  
JUDAH BROS., HIATTVILLE, KANSAS.

**Saline Valley Stock Farm**

Am booking orders for spring pigs, either sex; also a few choice fall boars and glits. Pairs and trios not related.  
J. LEE DUNN, RUSSELL, KANSAS.

**Ticer's Durocs**

Am offering a few good young Valley B. and B. & C's Col. boars, worth the money; also a few bred sows. Will book orders for spring pigs.  
C. L. TICER, HARRAH, OKLAHOMA.

**Perfection Stock Farm**

Nov. boars and glits, also 80 choice spring pigs, by State Fair grand and reserve champions. Pairs and trios not related. Ship on approval. Prices right. Write your wants.  
Geo. M. Glasen, Union City, Okla.

**CLOVER DALE DUROCS**

Herd boar, Western Wonder Again No. 106067, by The Western Wonder, dam, Lady Silkworm, 160 gets him. September boars \$20, September glits \$15 and \$20.00. Sows bred for July farrow, \$35 to \$50.  
L. T. SPELLMAN, R. R. No. 8, Paola, Kas.

**SCHWAB'S DUROC - JERSEYS!**

A choice lot of big, husky spring boars at \$25, if taken soon. Also young sows bred for April, May and June farrow, priced right.  
GEO. W. SCHWAB, CLAY CENTER, NEB.

**W. T. HUTCHISON, CLEVELAND, MO. DUROC JERSEYS.**

Special offering, 5 extra fall boars ready for service, for quick sale; also, choice pigs, either sex, pairs and trios. Order now for choice. I can please you.

**Star Breeding Farm****Herefords and Durocs**

Bulls, 15 to 30 months, single or carlots; also, females any age. Durocs headed by the champion B. & C's Col. Both sexes for sale.  
SAM'L DRYBREAD, ELK CITY, KANSAS.

**Bancroft's Durocs.**

We hold no public sales. Nothing but the best offered as breeding stock. Choice Sept. boars, tried sows and September glits, open, or bred to order, for fall farrow. 80 Feb. and March pigs, either sex. Pairs and trios not akin. Prices right. Customers in six states satisfied. Describe what you want. We have it.  
D. O. BANCROFT, OSBORNE, KAN.

the questioner and at the money. Finally a smile spread over his face and he replied, "I don't know. Why, you want Big Ben." Everything about Big Ben seems to have become famous, even his price. Big Ben figured in a political cartoon in a Kansas City newspaper the other day and that is considered by some to be the proof of the effectiveness of the Big Ben campaign. The real proof however is the sales and in that regard Big Ben is not at all lacking. See the Big Ben ad on page 7. Write to Western Clock Co., La Salle, Ill., for catalog, mentioning this paper.

**Protection From Chinch Bugs**

(Continued from Page 3.)

by the dust mulch or the compacting necessary to the tar-line type will be difficult.

As the wheat begins to ripen, watch the bugs closely and on the first indication of movement the dusty furrow should be constructed, if dry enough, and the back furrow should be thrown up and compacted. The back furrow should be between the dusty furrow and the field to be protected. The tar line should not be run unless, owing to wet weather, the dusty furrow will not hold the bugs.

The wheat should then be cut and the bugs compelled to pass without delay. While the bugs are passing, there must be one or more persons in the field constantly burning those that have collected in the dusty furrow, if the weather be dry enough for its use, or destroying those that have collected in the post holes of the tar-line when it is in use. When the post hole traps are used the bugs collecting in them may be destroyed by pouring a little kerosene over them. Keep a sharp watch for any accidental breaks in the barriers and repair them promptly.

Forbes found that the bugs never passed at night, that they passed more or less all day, if cloudy weather, and that they passed only for a part of the day when the sun shone. During the barrier work on the college farm in 1911, the weather was very dry and the days almost cloudless. The bugs usually began passing about 4 p. m., reached maximum between 5 and 5:30 p. m., and ceased entirely by 7 p. m. During the entire period of migration it was necessary to attend to the barriers constantly for only three hours a day. In addition to this the smoothing log was drawn through them once a day.

Forbes says that the bugs run from 10 days during a dry season to 30 days in wet weather. The number of days during which the bugs pass depends upon the rapidity with which the food in the small grain fields is exhausted. On the college farm in 1911, the passage of the bugs from a given wheat field did not continue longer than six days, but when they passed first from barley, then from wheat, and finally from oats, the whole period covered about three weeks. It cost the department of agronomy of this station 14 cents a rod to maintain 210 rods of dusty furrow barriers for three weeks. Forbes reports the cost of maintaining the tar-line barrier for four weeks as 7 cents a rod.

**Bugs That Get Across.**

Usually despite the utmost care some bugs will get over the barrier and will begin to work on the first few rows of corn. An extended series of tests made during the summer of 1911 showed that 8 pounds of whale oil or laundry soap dissolved in 50 gallons of water would destroy every chinch bug thoroughly wetted by it and would not injure the corn, even when used to drench it. In using the mixture it was customary to fill the pockets formed by the leaves and the stems and, when necessary, to fill the developing curl.

In another series of experiments with a tobacco decoction, known as "Black Leaf 40," we found that 1 part of the "Black Leaf 40" to 500 parts of water, to which whale oil or laundry soap has been added at the rate of 4 pounds to 50 gallons, is as effective for the bugs and as harmless to the plant as the soapy solution described. It was used in the same way. The addition of soap to the "Black Leaf 40" mixture seems greatly to increase its powers.

The means of applying these mixtures range from the tin cup to the regular field sprayer. In our experiments the knapsack sprayer was found most satisfactory, because by placing the liquid under pressure and delivering it as a mist, a better distribution of the mixture was possible than by merely pouring, and because it was more easily handled than a field sprayer.

**Brown Swiss Calves**

For Sale. E. Bourquin, Bartlett, Kan.

**MULE-FOOTED HOGS.**

**Mule Foot Hogs** Bred sows and pigs in pairs, not related. Pedigree furnished.  
ZENE G. HADLEY, WILMINGTON, OHIO

**O. I. C. SWINE.**

**O. I. C. HERD BOARS OR BRED SOWS** By O. K. Winner, winner of 12 firsts, 4 champion and 4 grand champion ribbons in 20 shows, and Chicksaw Model, second prize winner at Lincoln. Sows bred to these boars and Keep On Winner. Priced for quick sale.  
H. L. BODE, FRIEND, NEBRASKA.

**O. I. Cs.**—the right kind. Bred right and fed right. Choice pigs for sale.  
W. P. DOOLITTLE, WOODLAND, MO.

**Neef's O. I. C's**

—"The easy feeding big kind." Special offer on 15 yearlings by O. K. Perfection bred for September litters. Also 7 winter boars and 15 open winter gilts for sale. Booking orders now for spring pigs, either sex. Can furnish pairs or trios not akin. Can supply new blood to old customers. Description and prices on request.  
RIVERSIDE FARMS, J. H. NEEF, Prop., BOONVILLE, MISSOURI

**BERKSHIRES.**

**FOR SALE—50 BERKSHIRES OF QUALITY** 40 March and April pigs by Second Masterpiece, 30 at \$15 each or \$25 per pair. Balance show prospects, \$150 per five; something fancy. A few gilts and two October boars at \$25 each. Two October boars, by Second Masterpiece, and one by B. D's Centrepiece, fancy herd headers, at \$50 each. Yearling boars at from \$25 to \$50 each, also a few gilts bred to farrow in May and June at reasonable prices.  
J. T. BAYER & SONS, Yates Center, Kansas.

**Jewell County Berkshires** Fall gilts and yearling sows for sale, bred or open.  
C. W. ELYEA, JEWELL CITY, KANS.

**WILDWOOD FARM BERKSHIRES**

Headed by **SIR MASTERPIECE 2D AND WILDWOOD REVELATION 125617.** Pigs, March and April farrow, priced very reasonably. Get in your order early for choice pairs and trios. Choice gilts will be bred to Sir Masterpiece. Only the best shipped on order and all representations guaranteed. Address  
O. L. STEANSON, TROY, KANSAS.

**MEADOW BROOK BERKSHIRES AT BURLINGTON, KANS.**

200 bred sows, all bred to Premier Longfellow, King's 2d Masterpiece, True Type, King's 4th Masterpiece, King's X Masterpiece (the greatest yearling we ever raised), Forrest Count, etc. One hundred open sows and twenty extra nice males. Two extra good herd boars for sale (every one deep in breeding and rich in blood).  
E. D. KING, BURLINGTON, KANSAS.

**POLAND CHINAS.****W.E.Epley's Polands**

Some good October boars for sale. Strictly big type.  
W. E. EPLEY, DILLER, NEBRASKA

**Welch's Big Type Polands** Large, growthy, good boned, stretchy young boars and glits. A great bargain, also, in our herd boar by Progression. Write for particulars.  
L. H. WELCH, GARFIELD, KANSAS.

**Fall and Spring Boars**

I have 7 spring yearling boars and 5 Sept. fall boars for sale. Big, smooth boars of big type breeding. Priced right.  
A. L. ALBRIGHT, Waterville, Kas.

**HALF TON BOAR FOR SALE GIANT MONARCH**

Also a few tried sows bred to this great boar.  
W. C. MILLIGAN, Clay Center, Kan.

**Tabor Valley Polands**

15 fall gilts bred for August and September farrow. Also 10 September boars for sale. Big, growthy stock. Priced to sell quick.  
L. E. KLINE, - Zeandale, Kansas.

**DOOLEY'S BIG SPOTTED POLAND CHINAS**

Herd headed by Etterville Chief by Brandywine. Herd sows selected from tops Faulkner's herd. Booking orders now for spring pigs by Etterville Chief, Budweiser, Brandywine. They will please, are priced right.  
Edgar Dooley, Etterville, Mo.

**MAPLE GROVE HERD**

**Big Type Poland Chinas** Herd headed by EXPANSION LOOK 61191. Best of big breeding and individuality represented in my sow herd. Fall sale October 26.  
R. B. DAVIS, HIAWATHA, KANSAS.

**Manderscheid's Polands.**

Fashionable blood lines. High-class individuals. Spring or fall boars; glits, bred or open. Prices reasonable. Descriptions guaranteed. Write today.  
E. J. MANDERSCHIED, St. John, Kansas.

**Prairie Springs Big Type Poland Chinas.**

O. K. Lad 58098, the 1,000-pound son of Pawnee Lad, and Exalter's Wonder in service. Choice stock by the leading big-type sires for sale. Fall sale October 19. Come or write.  
C. L. BRANIC, Hiawatha, Kansas.

**PFANDER'S KING 60262**

by Long King, heads my herd of strictly big type sows including daughters of A Wonder, Long King, Columbia Chief, King Mastodon, etc. Only the best for sale. Fall sale October 22.  
JOHN W. NOLL, WINCHESTER, KANSAS.

**Poland Chinas That Grow Big**

Booking orders now for spring pigs—boars and gilts—by A Wonder, the 1,200-pound boar and out of 700 and 800-pound sows, some extra fine prospects. Also pigs sired by Big Joe and out of A Wonder sows. These are great. Get your order in early. They are going fast. Pigs shipped about 3 months of age. Write for my private sale catalog. It is a history of my herd, including the great A Wonder and his get.  
HENRY FESSENMEYER, CLARINDA, IOWA

**O. I. C. SWINE.**

**EDGEWOOD O. I. C's** boars and bred and open no kin. HENRY MURR, Tonganoxie, Kansas.

**O. I. C. Pigs** \$10.00 EACH. Harry Haynes, Meriden, Kan.

**HAVE YOUR IDEAS** about the O. I. C. hogs been correct? Send for my circular telling all about it. R. W. Gage, Garnett, Kan.

**O. I. C. Swine** Best of breeding. Stock for sale of both sexes. Satisfaction guaranteed.  
F. C. GOOKIN, RUSSELL, KANSAS.

**STAR HERD O. I. C's.**

Breeding stock of various ages, either sex. Best breeding represented in this herd. Write your wants.  
ANDREW KOSAR, GLASCO, KANSAS.

**WAITE'S BERKSHIRES.**

Choice young Boars and Glits, also tried sows. Most famous Robinhood Blood. We guarantee satisfaction. Call or write  
LEON A. WAITE, WINFIELD, KAN.

**Sutton Farm Berkshires****BRED SOWS**

A good lot of sows and glits bred to the best boars for summer litters. Boars and sows at farmers' prices. Choice last fall pigs by Artful Masterpiece, and a splendid crop of spring pigs that will please you.  
Sutton Farms, Lawrence Kansas.

Berryton Duke Jr.

**POLAND CHINAS.****THE HOME OF CAPTAIN HUTCH.**

I am now booking orders for Spring Pigs, either sex, sired by Captain Hutch, King Hadley 2d, Hutch Jr., Mow's Longfellow Price, Panorambar and A Wonder out of Long King's Equal sows and sows of the best big type breeding and immense individuals in size and quality. Order early and get first choice. Pigs shipped at three months old. Nothing but first class stuff shipped. Send for private sale catalog and prices. In buying at this age you save enormous express charges.  
C. W. JONES, SOLOMON, KAN.

**Dean's Mastodon Polands**

Poland China hogs, the big-boned type, will weigh when mature, 800 to 1,000 lbs. Bred sows all sold. Will sell a few boars of serviceable age, also choice fall pigs, either sex. All

**Immunized by Double Treatment**

Herd headed by Mastodon Price, Columbia Wonder and Gritter's Longfellow 3d. Everything guaranteed and sold worth the money. Address  
CLARENCE DEAN, WESTON, MISSOURI

**Mammoth Poland Chinas**

My herd boars weigh from 800 to 1,000 lbs. Am now ready to ship 200 of the big, easy feeding, quick maturing kind. Tried boars and sows, last fall boars and sows, and spring pigs of both sexes. My terms are: If you are not satisfied return the hog, and I return your money.  
F. F. ROBINSON, MARYVILLE, MISSOURI

**Poland Chinas**

Bred sows at private sale. Also fall and spring boars. Sows bred to Tom Lipton, Welcomer, Iron Clad 2d and others. Priced right. Ask for prices and descriptions.  
JOSEPH M. BAIER, ELMO, KANSAS.



# BIG BARGAINS IN REAL ESTATE

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

**SNAP**—Section, level wheat land at \$10.00, terms. Box 418, Hill City, Kansas. Owner.

320 A., 100 good alfalfa land, 160 natural hay land. Near station. \$30.00 per a., terms. Moore & Falls, Liberal, Kan.

**FOR SALE.** Two good farms, 640 and 920 a. 2 ml. Co. seat, \$9.00. No trade. No agent. Inquire Box 59, Jetmore, Kan.

**IMPROVED** 160 a. near town, 80 a. in cult., 80 a. meadow, all tillable. \$40 per a. Land list and Kansas map free. Eberhard & Miller, Whitewater, Kan.

**FOR BARGAINS** in Marshall and Washington Cos., Kansas, land or any other country you want it, write **PRALLE BROS. REALTY CO.**, Bremen, Kan.

**WANT** some cash buyers for Graham county land; good bargains and good terms. Good farm land \$20 and up. Pasture land \$10 and up. **MEYER BROS.**, Morland, Kan.

**FREE** information about alfalfa, corn, Kafir and cane land; hogs, cattle and the best pasture land in the world. Cedarvale National Bank, Cedarvale, Kansas.

**800 ACRES** good farm land, fair improvements, all fenced. 130 a. broke, all tillable. Stock, tools, etc. \$20 per acre. Part time. Full description, address Owner, Box 57, Hanston, Kan.

**NOTHING** pays better than an investment in our "Great Arkansas Valley Irrigated Lands." We have just what you are looking for. Write W. L. Van Horn & Co., Garden City, Kan., for particulars.

**240 ACRES** rich Arkansas Valley alfalfa land on interurban line, 7 miles north of Wichita, cutting 2 1/2 tons of alfalfa to the acre at this time. Belongs to heirs and must sell. Address Lock Box 1064, Wichita, Kan.

**FOR SALE.** 160 acre farm 2 miles from Marysville, Marshall Co., Kansas. 1/4 mile from market. 130 acres in cultivation, 25 acres in pasture, running water, improvements fair. For information write Louis Schulte, Marysville, Kan.

**800 ACRES** alfalfa land, 200 acres in. Improved, \$65 per acre. 475 acres, wheat, alfalfa and pasture land, some alfalfa, \$35.00 per acre. 875 acres wheat, alfalfa and pasture land, improved, some alfalfa, \$35 per acre. Terms if needed. W. A. Sturgeon, Hutchinson, Kan.

**80 ACRE** home farm, 3 1/2 miles from town, half in cultivation, pasture, alfalfa, good water, four room house, barn, orchard. Price \$3,600.00. No trade. Write for free list. V. E. NIQUETTE, Salina, Kan.

**BARGAIN:** 80 acres, 68 a. cultivated, balance pasture. 10 a. alfalfa, 6 room house, good barn and outbuildings. Price \$4,500, \$1,500 cash. Write for free lists. W. G. STUDEBAKER, Salina, Kan.

## ALFALFA LANDS \$40 to \$50 ACRE

EAST END OF HODGEMAN COUNTY

Very best bottom land, with running water, some timber. Excellent wheat land at \$20 to \$30 per acre. Come and see or write for list. **M. W. PETERSON**, Hanston, Kan.

## DICKINSON COUNTY BARGAINS

We have many fine river and creek bottom land and also fine upland farms for sale. Good wheat, corn and alfalfa lands at reasonable prices. Write for lists. Mention this paper. **BRINEY, PAUTZ & DANFORD**, Abilene, Kansas.

## An Ideal Ranch

1,120 acres, 7 miles from Goodland, the county seat of Sherman county Kansas; Two (2) good frame houses, splendid barn 42x40 feet, large cattle shed, two chicken houses, splendid well of water equipped with good wind mill; 200 acres in cultivation; 640 acres fenced with two wires; soil is a deep loam, suitable to all crops native to this zone. Every acre of this farm is smooth tillable soil; "no rough land"; shallow to water; irrigation can be established cheaply from the underflow.

This is certainly one of the most ideal farms in western Kansas.

Owners are old and wish to retire. Price, for immediate sale only, \$15.00 per acre.

Goodland is a thriving town of about 2,500 people, a division point on the Rock Island Ry., has fine schools and churches, where all of the environments of any eastern town are enjoyed.

**E. W. SULLIVAN,**  
Box 777. Goodland, Kans.

## Banker's Ranch for Sale

A ranch consisting of 4,145 acres in a compact body, on the head waters of a creek, where the springs start and form three creeks uniting near the south end of the property. Good roads on the south, east and west sides of the ranch, but none through it. The land is either good tillable land now raising crops, or the very best grazing land with running spring water in every pasture, of which there are 12 for cattle, horses, and hogs.

Located convenient to railroads, schools, mail routes, etc. Many nearby improved farms are worth \$100 per acre. Stock can leave this ranch in the morning and arrive on the Wichita market in the afternoon. Only three or four hours by train or automobile from Wichita.

### IMPROVEMENTS

About 900 acres in crops. Twenty miles of good fencing. Three sets of farm buildings, consisting of 4 houses, 4 barns, 6 granaries, 5 hog lots, and numerous sheds, cribs, waterworks, and some alfalfa and meadow, and trees for fence posts. Everything kept up in good order. Half of the growing crops go to purchaser.

### STOCK

The cattle are all Shorthorns of excellent quality and a select herd is registered. The balance are all very high grade. The hogs are all big boned Poland Chinas, partly registered, all of the very best breeding. No hog disease on this place for the last twenty-seven years owing to the pure water and detached location. The horses and mules used for farm, road, and saddle work are of the very best and most of the implements, vehicles and harness are nearly new. At the present time there are approximately 400 cattle, 200 hogs and 20 horses and mules.

The owner of this ranch is a banker. His rapidly growing banking business forces him to sell his ranch so as to devote his entire time to his banking interests. This ranch for location, grass and water is one of the best in the Arkansas Valley. The price is \$100,000.00 for the land and all the stock and the crops. No trade considered. Terms, one-half cash. Write or wire **LOUIS WALTON**, Union Stock Yards National Bank, Wichita, Kansas.

**ALFALFA LAND** that will pay for itself in two years at \$100 per acre. Other good bargains close to a splendid college town. **T. B. GODSEY**, Emporia, Kan.

320 A. GOOD Improved Stevens Co., Kansas land. All fenced and cross fenced, house, stable, granary, well and mill. Address **CHAS. C. STULL**, Woodsdale, Kan.

**ARE YOU** looking for land that will make you money? We have a big list of the best land in the Liberal territory any of which is bound to do it. Write us about this. **LIGHT & STOUFER**, Liberal, Kansas.

**COFFEY COUNTY, KANSAS.** In heart of corn and tame grass belt. Farms and ranches \$30 to \$60. List free. **LANE & KENT**, 3rd St., Burlington, Kan.

**CATHOLIC FARMERS.** I have some of the best improved farms, near Scipio (in Catholic settlement), Anderson Co., Kansas, for sale at the owners' prices. Cash sales a specialty. Free lists. Address **W. L. MORRIS**, Owner's Agency, Garnett, Kan.

**BUTLER CO., KAN., 160 A.** New buildings, 80 a. in cult., balance grass, good alfalfa, \$6,000, terms. **BEATTY REALTY CO.**, Wichita, Kan.

**FARM BARGAINS.** Choice wheat and alfalfa lands in famous Medicine and Sharon Valley, \$25 to \$50 per a. **J. P. DUNCAN REALTY CO.**, 712 Beacon Bldg., Wichita, Kan.

**LINN COUNTY FARMS.** Biggest bargains in Kansas. Corn, wheat, timothy, clover, bluegrass land \$15 to \$80. Coal, wood, gas, abundance good water. Fruit and everything that goes to make life pleasant. Large illustrated folder free. **EBY BROTHERS & CADDY**, Pleasanton, Kan.

**CHASE COUNTY RANCH.** 1,460 acres, 150 acres under cultivation creek bottom, well improved; well watered, springs, wells and creek; 7 miles of town. Price \$23.50 per acre. Other farms. **KLOTZ & HOEL**, Cottonwood Falls, Kan.

**WESTERN KANSAS LAND** A. T. & S. F. R. R. is building from Dodge City southwest through Stanton Co. lands at \$8.00 per acre. Grant Co. lands \$10.00 per acre. Morton Co. lands \$10.00 per acre. 1/4 to 1/2 cash payment down. Send for map and full description. **BROWN & VERNON**, Dodge City, Kan.

**HASKELL COUNTY LANDS.** 25—Quarter Sections—25. Located right along the line of our new railroad which is being built southwest from Dodge City, Kan., at the rate of a mile and a half per day. Some of these lands join the town sites of Sublette and Statuta. Prices \$12.50 to \$25.00 per acre. Good terms. Write for particulars. Delays are dangerous, do it NOW. **FRANK MCCOY**, Santa Fe, Kan.

**NEW LIST FREE** describing Anderson county farms, \$40 to \$60. Geo. W. Iler & Son, Garnett, Kan.

**CHEAP KANSAS AND OKLAHOMA FARMS** 1,440 a. improved, Okla., price \$30, all on time. Howard, The Land Man, Wichita, Kan.

**BARGAIN.** 160 acres, good land, 8 room 2 story dwelling, good barn and outbuildings, well watered, shade trees, orchard, fine location, school across road, 3 miles from town, sure bargain at \$50.00 per acre. Send for list of bargains. **F. C. LIBBY**, Blue Mound, Linn Co., Kansas. **J. L. Wilson**, Salesman.

**FRUIT FARM FOR SALE.** My ninety acre fruit and tree farm in southern Kingman county. Thirty thousand growing catalpas and other trees. Adjoining town with high school. Reasonable terms. **LOUIS L. ORR**, Coats, Kansas.

**A BEAUTIFUL 80 ACRE FARM.** Located 5 ml. from La Harpe in Allen Co. Level land, black soil, plenty of fruit, fine shade, good water, splendid improvements. Worth \$75 per acre. \$5,200 buys it. Write for full description. **IOLA LAND CO.**, Iola, Kansas.

**SMALL PAYMENT DOWN.** 240 acre, extra fine land, 85 in corn, balance tame grass, 5 ml. of Ottawa. Small payment down, balance long time at 6 per cent. 3 room house, large barn. Price \$50.00 per acre. Come at once. **MANSFIELD LAND CO.**, Ottawa, Kan.

**BUY NOW.** Fine level wheat lands in Meade Co., 2 to 10 miles of town, at \$12 to \$17 per acre. Easy payments. 80 to 640 acre tracts. Some good bargains in small ranches near town. **MARRS & DAY**, Meade, Kan.

**A GENUINE BARGAIN.** 161 1/2 acres; 8 room house, good barn; rich soil; 110 acres cultivated; 25 hog tight; 1/4 crop to buyer; 2 1/2 miles town. \$7,500, liberal terms. **I. R. KREHBIEL**, Geneseo, Kan.

## LAND! LAND! LAND!

In Okla., Gulf Coast country and Kan. Prices low; terms easy. Exchanges made. **JABEZ F. BRADSHAW**, Lenexa, Kan.

**FOUND** A beautiful, smooth, level half section of land lying 9 miles from town that we can sell for \$3,600. The cheapest half section on the market; first class soil. No better proposition in the county. Who wants it? **COONS & JACOBS**, Plains, Meade Co., Kan.

**DON'T READ THIS** unless you want to make a good profit on a small investment. I have a proposition to offer that you cannot afford to let pass you. Level, well located residence and business lots in rapidly growing town. Prices \$12.50 to \$50, easy monthly payments. Write for particulars. **JOHN W. BAUGHMAN**, Desk "G," Plains, Kan.

## Sedgwick County Farm Bargains

320 a. farm; best alfalfa, corn or wheat land; lays level; shallow to soft water; improved; \$65.00 per acre, half cash. 160 a. well improved; all hog fenced; \$50 per acre, half cash. 80 a. farm, valley land; good house, barn; 20 acres alfalfa; \$80 per a., terms. 160 a. alfalfa land improved; one mile R. R. station and fine Catholic church; \$80 per a., terms. 1,360 a. ranch improved; living water; \$22.50 per acre. **H. E. OSBURN**, 227 East Douglas, Wichita, Kan.

## OKLAHOMA.

**BEST FARMS** in Oklahoma \$20 to \$50 per a. Write **C. A. West**, Miami, Okla.

**EASTERN Oklahoma** Indian lands. List free. Write **F. S. Ashleman**, Nowata, Okla.

**EASTERN OKLAHOMA** farms for sale by owner. All prices and sizes. Write **W. A. Hancock**, Pryor, Okla.

**190 ACRE** farm; near McAlester, population 15,000. Well improved; bargain at \$39.50 per acre. Ringlands, McAlester, Okla.

320 A. 1/2 ml. R. R. town, smooth, black, rich soil, in wheat, fine prospects, good water, good imp., \$50.00 per a. with 1-3 crop. **J. H. Fuss**, (The Land Man), Medford, Okla.

**MR. HOMESSEEKER**, we wish to call your attention to advantages of this country. Our rainfall is more than eastern Kansas. Improved lands selling at \$20 to \$30 per acre. Wheat and oats harvested. Both extra good. Corn and cotton looking fine. Write us. **SOUTHERN REALTY CO.**, McAlester, Okla.

**FOR BEST FARM LANDS** in Payne and adjoining counties, \$20 to \$50, write **Ira Stout**, Farmer's State Bank, Cushing, Okla. Map and list free.

**FOR IMPROVED FARMS** in the garden spot of Oklahoma, write **JOE CAKE**, Hunter, Okla.

**POCKET MAP OF OKLAHOMA** for five names of persons in. ending to change. Caddo county corn and alfalfa land. **BALDWIN & GIBBS CO.**, Anadarko, Okla.

**TERMS TO SUIT.** 160 a. 7 miles of Medford, 4 1/2 miles of R. R. town, 35 a. fenced with 3 ft. woven wire in pasture, balance in cult., good orchard, small fruit, fine water and mill, 4 room house, large barn and sheds, 2 miles of school, some wheat. Good loose loam soil, good ALFALFA land. Write us for trades. **BATTEN REALTY CO.**, Medford, Okla.

## All About Oklahoma

Send for my free book. **PERRY DEFORD**, Oakwood, Okla.

## OKLAHOMA.

**Oklahoma Wants You** 500 choice farms for sale. Titles good. Easy terms. Soil and climate excellent. Write for list. **Roberts Realty Co.**, Nowata, Okla.

**Indian Lands** for sale, 300 choice farms, N. E. Okla., low prices. Easy terms. Perfect title. **E. T. TETER & CO.**, NOWATA, OKLA.

## Eastern Oklahoma

Land \$3.00 to \$25.00 per a. Prices are steadily advancing—now is the time to buy. If you want a good, cheap home, or a money making investment, write to or call on **W. T. HARDY**, McAlester, Okla.

## GET A FARM ON PAYMENTS

Oklahoma farm lands to actual settlers on time payments with or without any cash. List of 120 farms to select from. Write for list and prices. **JOSEPH F. LOCKE**, Wynnewood, Okla.

## Oklahoma, Arkansas and Louisiana Farms For Sale

farms for sale in 40 acre tracts and up, easy terms. Write for literature on state desired. We are owners, not agents. We have 15,000 acres in Okla.; 10,000 acres in Ark., and 4,000 acres of rich Red river bottom land in La. Tenants wanted who can farm 320 acres or more of our lands in La. Agents wanted. Address, **ALLEN & HART**, 308 Commerce Bldg., Kansas City, Mo.

## ARKANSAS.

**ARK. fruit farms**, \$12.50 to \$40 a. Easy payments. **Jesse A. Bell**, Greenwood, Ark.

**IF INTERESTED** in N. E. Arkansas farm and timber lands, write for list. **F. M. MESSER**, Walnut Ridge, Ark.

**BENTON CO.**, greatest fruit growing Co. on earth. 40 to 160 a. tracts. Write for list. **C. R. Craig & Co.**, Bentonville, Ark.

**80 ACRES** improved, 50 fruit, bal. timber, near Rogers. Price \$1,600 for quick sale. Write **E. W. Dawkins & Son**, Rogers, Ark.

**RED RIVER** corn and alfalfa farms, \$20 to \$50 per acre; income \$50 to \$60 per acre. List free. **L. A. JUSTUS**, Foreman, Ark.

**FOR** des. literature, city props, Ark. and Okla. farm, fruit, timber and grazing lands, write **Moss, Hays & Co.**, Sloan Springs, Ark.

**FOR FREE INFORMATION** about Arkansas fruit and general farming land, at low prices, on liberal terms, write us. New list free. **Griffin & Wasson**, Gentry, Ark.

**900 ACRES** good farm land on railroad, rural route and phone line. Part cash, part trade. Price \$10.00 per acre. **H. M. McIVER**, Texarkana, Ark.

**160 ACRE** improved red-land farm; 80 cultivation; 18 hay meadow; 35 woodland pasture; lasting well and spring water; \$3,000. Terms easy. **ROBERT SESSIONS**, Winthrop, Ark.

**381 ACRES**, 280 being very rich black river bottom land, 165 is in cultivation. 17 acres upland, 100 bottom land practically cleared, has heavy growth cane, 4 tenant houses, barns, other outbuildings. One large barn 48x80 and a rent barn with wagon scales, shed, cribs, etc. This is undoubtedly one of the best tracts of land on Black river, 5 miles below Black Rock. \$37.50 per acre. For full particulars write **J. L. McKAMEY**, Imboden, Lawrence Co., Ark.

**120 ACRES** 1 1/2 ml. out. Joins big orchard. Corners on public road, partly fenced by joining farms, 25 a. old clearing, fine spring and branch, no buildings, \$15 per a. Considering location, this is the cheapest piece of fruit and farm land in the county. Terms. **PORTER LAND CO.**, Horatio, Ark.

## ARKANSAS LANDS.

For fruit or general farming, at much less than their actual producing value. Fruit, berries and all staples grow to perfection. Land values are advancing rapidly. New list free. **COLLINS & HUNSAKER**, Decatur, Benton Co., Ark.

**IF YOU WANT TO BUY ARKANSAS LAND** Write **S. C. Dowell**, Walnut Ridge, Ark. Finest farming, timbered and rice lands in the state at lowest prices. No trades.

## A FARM FOR YOU IN ARKANSAS.

40 acres GOOD LAND \$600.00, on these exceptional terms: Note for \$400.00 due in 6 years, 6 per cent interest payable annually. Balance of \$200.00 payable \$5.00 cash, \$5.00 per month, without interest. No taxes during installment payments. Larger tracts proportionate terms.

Our sixteen years' experience is at your service in investigating Arkansas. Real Estate Department, **TEXARKANA TRUST COMPANY**, Texarkana, Arkansas. Map for 2c stamp.

## For Sale in Southwest Arkansas

80 improved farms at a price ranging from \$15.00 to \$40.00 per acre. Write for literature. **SOUTHERN REALTY & TRUST COMPANY**, Ashdown, Arkansas.

## Scott County, Arkansas

where land values are steadily advancing. Prices range from \$10.00 an acre up. Fine for fruit, stock raising and general farming. Get our new list. Mail free upon request. **SANFORD & SANFORD**, Waldron, Ark.



## ARKANSAS.

## What Kind of Farm

Do you wish to buy? How much do you wish to invest in a farm? When can you come to select it? It is in Ark. The best for the money. For free map and particulars, HUBERT HALL, Waldron, Ark.

## Arkansas Farms

We have 200 farms to dispose of at once in Arkansas, where the winters are short and the summers are mild. Fruit farms, strawberry farms, grazing and farming lands a specialty, ranging from \$15.00 to \$40.00 per acre, in tracts of 40 to 3,000 acres. Write us what you want and we will fill the bill. Address JAGGERS & HALL, Walnut Ridge, Ark.

## MEXICO.

EVER HEAR OF MACINESO, Mexico? Place of FREE HOMES and perpetual income. Everything guaranteed. J. M. Mason, Columbus, Kan.

## MISSISSIPPI.

MISSISSIPPI—If you want the best to be had in farm land and a farm home, this is the land you will eventually buy. It's cheap now, \$10 to \$30 per acre. J. D. Peacock, Jackson, Miss.

## NEW MEXICO.

FOR SALE—Our entire real estate business, paying over \$5,000 per annum and owning townsite of prospective county seat on railroad; an excellent opportunity, or will sell managing interest. Write MOSQUERO LAND CO., Mosquero, N. M.

FREE HOMESTEADS IN MOUNTAIN RAIN belt; rich, level land; shallow water; plenty of timber; near railroad town; the last chance of the homesteader; send quarter for full information. MOSQUERO LAND CO., Desk D, Mosquero, N. M.

## MISSOURI.

25 OZARK bottom farms. List free. Write J. H. Wright, Marshfield, Mo.

DAIRY, poultry, fruit, stock and timber lands, all sizes and prices. Write Ozark Realty Co., Birch Tree, Mo.

HEY, THERE! 80 a. 1 1/2 ml. out. Extra well imp. \$50.00 a., worth \$60.00. No trade. Baker Realty Co., Mountain Grove, Mo.

MISSOURI farm lands. No better grain and stock land anywhere. Write for list and prices. Fulton Real Estate Agcy., Fulton, Mo.

FOR SALE. 70 acres located 3 1/2 miles from West Plains, Mo. 65 acres in cultivation. 15 acres in tame meadow; practically all the best of valley land, close to school and church. Splendid improvements. The best of terms. Price \$4,500. No trade. C. P. HARPER & SON, West Plains, Mo.

CARTER COUNTY BARGAIN. 150 acres of good unimproved farming land, located 9 miles of Van Buren county seat of Carter Co. Fine pasture land, also fine for dairy and fruit farming; in fact you can raise almost everything raised in the North. Fine climate, good water, schools, churches. A bargain at \$10 per acre. Write JOHN M. CARNAHAN, Van Buren, Mo. (County Clerk and Recorder, Carter Co.)

FREE "Homeseekers' Review" BEST LAND Many big bargains. WEST PLAINS REAL ESTATE CO., West Plains, Howell County, Mo.

## TEXAS.

FREE ILLUSTRATION describing land in the famous Texas mid-coast country. Smith Diebel Land Co., Victoria, Tex.

WRITE FOR FREE literature describing choice lands in the Eagle Lake district. Send your name today. Fidelity Immigration Co., Eagle Lake, Texas.

CHANCE OF A LIFETIME. 450 acres, all tillable land, 250 acres in crops. Finest climate in the world. Easy payments. Let me tell you about this and other bargains. J. C. SCHOFIELD & CO., Edna, Tex.

PROFITS IN GULF COAST LAND. Wonderful production, large increase in value, an attractive home. Get our Free Booklets. "The Road to Prosperity" and "A Pointer on Where to Buy Land." Will send you free "The Gulf Coast Bulletin" for 6 mo. Write THE ALLISON RICHEY LAND CO., 2nd Floor Carter Bldg., Houston, Tex.

FULL SIZE LOT—\$25. \$1 cash, \$2 a month. Located in HIGH VIEW addition, a suburb of Houston, Texas, where millions of dollars are going into new improvements. Biggest opportunity for investors. Write for free literature. MUTUAL LAND COMPANY, Houston, Tex. First National Bank Bldg.

## COLORADO.

BEAUTIFUL irri. farms, fruit, sugar beets, grain, alfalfa. Ordway Land Co., Ordway, Col.

320 A. homestead relinquishments, a few choice ones, fine land, last chance. Write us. National Inv. Ass'n, Akron, Colo.

KIOWA COUNTY, COLORADO. corn, wheat and alfalfa lands, \$8.00 to \$15.00. Homestead relinquishments \$250.00 up. A few 160 acre relinquishments under prospective irrigation. Folder and copy of homestead laws sent free. THE WESTERN REALTY CO., Eads, Colo.

## COLORADO.

HOMESTEAD FOR SALE. 320 acres, improved, 47 miles from Denver; \$1,000 cash buys it. Best snap in Colorado. Address THE ALLEN COUNTY INVESTMENT CO., Iola, Kan.

A FEW SNAPS FOR CASH. Excellent alfalfa farm, one-fourth seeded, near shipping point, \$35 per acre. 120 acres alfalfa and potato land, under good ditch, \$25 per acre. Cattle ranch, will keep 500 cattle, \$10,000.00. Several one thousand to ten thousand acre ranches. Many small farms. Write us. SHIELDS-BEGGS LAND CO., Fort Morgan, Colo.

HOMESTEAD RELINQUISHMENTS. President Taft signed the new three year Homestead Bill, June 6th; requires but seven months out of a year residence, or a total of 21 months, to get deed for the land. Have a few bargains in relinquishments in one of the finest farming districts in the West. An opportunity for a person of limited means to own a home where he can make money farming. Why not own your own home? CARL M. COOK, Limon, Colo.

EASTERN COLORADO HOMESTEADS. The three year Homestead Act is now a law. It permits you to prove up in three years and gives you a five months leave of absence each year. We have some very good 320 acre homesteads in eastern Colorado. If there is more than one homestead right in the family we can put you on adjoining claims, if you come at once. We charge \$25 for showing you and locating you. Burr T. Beach Company, Granada, Colo.

LAND FOR SALE. Right now is the time to buy land cheap in Eastern Colorado. 320 acre relinquishments \$200 to \$1,000. Deeded land \$7 to \$15 per acre. HARRY MAHER, Deer Trail, Colo.

HIGHVIEW PARK. We have five acre tracts up to any number of acres you want; of irrigated land, so close to Denver that you can reach the city limits in a few moments' time and sell direct to the consumers. Every acre has a No. 1 water right under the Castlewood Reservoir. There is plenty of water in storage and you can have the moisture just when you need it and as much as you need. This land is splendid for orchard, general farming, truck gardening, poultry raising, and dairying. Price \$75 to \$125 per acre. Five to seven years' time on deferred payments. You can pay monthly, quarterly, semi-annually, or annually. Now is the time to see this land. Railroad rates from most of eastern Kansas points for the round trip to Denver, \$17.50. Write us today for further information. Denver Suburban Homes and Water Company, Denver, Colorado. James Butler, Eastern Representative, 1230 Fillmore St., Topeka, Kansas.

HIGH GRADE COLORADO FARM. 240 a., 150 a. cult., 70 a. fine fall wheat, 2 a. alfalfa, irri. for truck patch, farm timber on creek, fair impvts., pipes spgs. water in house, 7 ml. R. R. town. Price \$25 an acre; take some cash, some loan and smaller place. E. Nebraska or E. Kansas. E. L. PALMER, Laird, Colo.

## Colorado Irrigated Land

Owner offers two choice irrigated ranches of 160 and 80 acres each, located on railroad near Lamar. This is alfalfa and grain land and has all old water rights. Come out and look this land over and see the water running and the crops now growing. Land priced to sell and can make easy terms. Might consider some trade. C. V. NEWMAN, Lamar, Colo.

## Avoid Drouth and Floods

Constant sunshine, abundant water supply, fertile soil, in the Pueblo Irrigation District, which adjoins Pueblo. Land at present, \$30 per acre, on easy terms. Low cost of water, payable during twenty years, commencing year after delivery. This insures a good crop before any payment on water is due. Investigate now before prices advance. Write for circular and maps. COBURN & MCCLINTOCK, Box 797, Pueblo, Colo.

## NEW YORK.

ESTATE MUST BE SETTLED AT ONCE. Farm of 600 acres, 200 acres timber, three houses, ten barns, five horses, twenty-four cows, two bulls, sixteen hogs, 100 hens, 75 sheep and lambs, wagons, mowers, rakes, sulky plows, harrows, harnesses, etc. All go for \$20,000, part cash, balance at five per cent. HALL'S FARM AGENCY, Elmira, New York.

## MICHIGAN.

## Michigan Farms

Have you heard about the rush for Michigan lands? The world is awakening to the great opportunity. It's a regular "Forty Niner." If you are looking for land, now is the time. Ask for my booklet that gives you the facts and list of bargains. S. V. R. HAYES, Dept. D, Grand Rapids, Mich.

## CANADA.

LAND—LAND—LAND—Wheat Land—Ranch Land—Coal Land Unlimited in Quantity—Unequaled in Quality Raw and improved land at reasonable prices in Southern Alberta, cannot be beat for wheat or mixed farming. Opportunities for dairymen, poultrymen, truck gardeners. Town lots and business property for sale. Let me tell you about this country and its resources. F. W. FORSTER, Box F-1, Pincher Creek, Alberta, Canada.

## Florida Lands For General Farming

We have 10,000 acres of the best farm land in Central Florida for sale in tracts of 40 acres to 640 acres. Land nearly level, good drainage, splendidly adapted for raising vegetables, grain, livestock and citrus fruit. When the purchasers of Florida land get away from the 5 and 10 acre idea and buy lands and farm them as they do in the West the results will be far beyond those realized by western farmers. Prices \$25 per acre to \$40 per acre. Terms very easy. Address

Howard-Packard Land Co., Sanford, Fla.

## FOR SALE OR EXCHANGE

LIST your trades with Cassoday Realty Co., Cassoday, Butler Co., Kan.

GROCERIES and merchandise for farm. Other trades. F. Gass, Joplin, Mo.

BUY OR TRADE WITH US—Exchange book free. Bersie Agency, Eldorado, Kan.

WRITE FOR LISTS, sale or exchange. The Eastern Kan. Land Co., Quenemo, Kan.

TEXAS LANDS and properties for ex. Ask for trade bulletin. Deering & Neel, Houston, Tex.

FARM BARGAINS. Sales, trades. Want Tex. land. Don't trifle. Buckeye Agency, Agricola, Kan.

BOOK 1,000 farms, etc., everywhere, for ex. Get our fair plan of making quick square trades. Graham Bros., Eldorado, Kan.

STATE UNIVERSITY. Buy house in Lawrence, Kan. while schooling your children. Large list, sale or ex. Fugate Land Co.

FARMS AND MERCHANDISE for sale or exchange. We match deals any size, any place. United Land Co., Wichita, Kan.

WANT: FARMS, residence, stocks listed for exchange. I can help you. Ask for listing blank. A. W. Bremyer, McPherson, Kan.

TRADE what you have for what you want, list with us, we do the rest. H. C. BUTTS LAND COMPANY, Carrollton, Mo.

FOR SALE OR EXCHANGE—Good wheat and corn lands. Describe and price your proposition. Jess. Kinsner, Garden City, Kan.

FOR SALE OR EXCHANGE—Irrigated or unirrigated eastern Colorado lands at reasonable prices. Andrew Townsley, Holly, Colo.

WE DO exchange property. Can do it for you. Bargains in farms and city property. Write for list. Kuhlmann Realty Co., 331 East "D" St., Wichita, Kan.

LIST YOUR PROPERTY for exchange or trade. We make all kinds of exchanges and secure results. Write us. The O. F. Exchange Agency, Eldorado, Kan.

WANT TO LIST your good trades? We can match them. Tell us what you have to trade and what you want. Write for our ex. list. BUXTON BROS., Utica, Kan.

TO EXCHANGE for clear Western Kansas land, good farm land in South Central Kansas, 160 to 640 acres. Address owner, H. C. Whalen, 213 Bittling Bldg., Wichita, Kan.

TO EXCHANGE FOR LAND—Two income properties renting for \$300 and \$500 per mo. Two modern flour mills, 500 and 700 bbls. capacity. Cook & Francis, Newton, Kan.

175 a. farm, Howell Co., Mo., 90 a. in cult., all good timber, good apple and peach orch., some berries, 4-rm. house, other outbuilds. Plenty good water, 2 ml. town. Will sell \$30 a. if sold soon. Half in good rental property, some cash, terms on bal. IOWA, MISSOURI & KANS. LAND CO., A. P. Cottrell, Mgr., Pomona, Mo.

STORE BUILDING and 5 living rooms good location, Topeka, Kan., \$4,000; store building good location in good town in north Kansas, \$4,000; a good 5 passenger auto, trade for team or western land, price \$1,000. The above properties belong to one man and he will trade them for a farm of equal value, or clear well located western land. 240 acres of grass land in Woodson Co., Kan., 5 miles from R. R. station, \$30 per acre clear, want general merchandise. THE THOMAS REALTY CO., Topeka, Kan.

FOR EXCHANGE—31 improved farms in Howell Co., Mo., all sizes. Write OAKS, Box 131, West Plains, Mo.

EASTERN KAN. farms. Write for free sale list. Also ex. list. Ex. a specialty. RICE-DANIEL LAND CO., Garnett, Kan.

600 ACRE irrigated grain, alfalfa and vegetable farm; two sets improvements, good water rights, 50 miles east of Denver on Platte river. Want good mercantile or income property. Might consider smaller farm. Address NORTHERN IOWA LAND CO., Box 797, Independence, Ia.

FOR EXCHANGE—1,600 acres of land in Pittsburg county, Oklahoma. Good ranch and fruit land, part tillable, near coal, oil and gas fields. The owner would like to change for merchandise or income city property. \$12.50 per acre. THE KANSAS INVESTMENT CO., 408 Barnes Bldg., Wichita, Kan.

760 ACRES fine fruit orchard and farming land five miles from railroad in Arkansas, to exchange for a good stock of merchandise. 80 acres of unimproved land in Johnson county, Arkansas, for automobile or livestock. 80 acres of unimproved land in Wayne county, Missouri, good mineral prospect, for automobile. 240 acres in Wilson county, Kansas, for stock of merchandise. LONG BROS., Fredonia, Kan.

FOR FARM LANDS AND EXCHANGES of all kinds address John Capper, Real Estate Agent, Lyndon, Kan.

SNAP FOR QUICK SALE. 320 acres 6 miles of town, well improved, 225 acres in wheat; an ideal home, price \$35 per acre, good terms. Also have land in western Kansas ranging from \$15 to \$25 per acre to trade for anything worth the money. E. M. MURPHY & CO., Hutchinson, Kan.

SACRIFICE SALE. 160 acres 5 miles of Cherryvale, Kansas. First man with \$8,000 gets the bargain. Worth \$10,000.00. Must have the cash in sixty days. Now is the time to get busy if you want a bargain in this locality. We stake our reputation on this place being worthy of your consideration. MIDDLE WEST EXCHANGE BUREAU, Cherryvale, Kan.

FOR SALE OR EXCHANGE. No. 5 SP, 160 acres six miles of Oiden, a R. R. town, 100 acres in cultivation, 130 fenced, 7 room house, in good repair, large bank barn, and other outbuildings, well, cistern and stock pond, good family orchard. School 1/4 mile. Perfect abstract title. Price \$6,000. Mortgage of \$1,600 at 5 1/2 per cent due in 1917. For more information write to Jas. B. Webb & Co., West Plains, Howell Co., Mo.

FOR A QUICK SALE or exchange of real estate, address FRED J. HALL, Eldorado, Kan.

FARM BARGAINS For sale or exchange, any size, price on where. We can match any trade. LATHAM & DORR, Wichita, Kansas.

WE CAN SELL OR TRADE your farm or business, no matter where located. Particulars free. MID-WEST SALES AGENCY, Riverton, Nebraska.

TEXAS BARGAIN. 320, near coast, fine land, near town. Would consider small improved farm, or residence, as part payment. Easy terms on difference. Write D. W. GRANT, Palacios, Texas.

FOR SALE OR TRADE. A GOOD CREAMERY, located in a large town. Almost new. Also a good threshing outfit to trade for land. Also some fine irrigated land in the Laramie valley, Wyoming, to trade for Kansas farms. W. J. TROUSDALE, Newton, Kansas.

IMPROVED FARM FOR MERCHANDISE. 160 acres in Anderson Co., Kansas, 3 miles from town, 80 acres cultivation, 80 acres pasture and hay land, all tillable, well watered, smooth, good 5 room house and barn, good land, 1/2 mile to school. Price \$10,000. Incumbrance \$2,000. Will trade this farm for \$7,000 stock clean mdse. in northern Kansas. WILSON & RESSEL, Colony, Kan.

I OWN Two 4 apartment brick flat buildings in a fine location in Kansas City, Missouri, 5 rooms and bathroom in each apartment. Steam heated, electric and gas lighted, solid brass fixtures, tile floors in the bathrooms and halls, finished in mahogany, oak and white enamel woodwork. All street improvements in and paid for. Rent for \$3,500 per year on leases. Want good farm, not too large, in Kansas, Nebraska, Iowa or Missouri, for a home. ROBERT L. RINKER, 716 Commerce Bldg., Kansas City, Missouri.

For Sale or Exchange Good rich tillable land in Oklahoma. R. T. WRAY & CO., Tyrone, Okla.

HERE'S A TRADE A good farm close to Wichita, well improved and priced right, to exchange for a good lumber yard, or hardware and lumber. Can loan \$10,000 on this place at 6 per cent. A splendid trade for someone. LEACH REALTY CO., Wichita, Kansas.

For Sale or Trade for picture show or restaurant, or racket stock, 20 acres of land joining the town of Annela, New Mexico. Subject to irrigation, and all can be thrown into town lots. Price \$2,000 clear. GEO. MANVILLE, Holton, Kan.

FOUR GOOD FARMS Montgomery Co., Kansas—three 80 acre and one 160 acre tracts—good alfalfa farms priced reasonable. Will exchange for income property or hardware stocks. Write us today. FOSTER BROS., Independence, Kan.

For Sale or Exchange Land in the great corn belt of Missouri, Kansas and Nebraska. Also Ranches. If you wish to make an exchange address M. E. NOBLE & SON, 507 Corby-Forsee Bldg., St. Joseph, Mo.

Trade Your Car For a Farm I have 320 acres in Stevens Co., Kansas, 12 miles from Hugoton, county seat, to which Santa Fe extension is building. All smooth, no waste, dark heavy sandy soil, price \$4,500. Will carry \$2,000 until Jan. 1914, at 7 per cent, take good car up to \$1,200 and balance in cash. Not a real estate man. D. D. LAND, Liberal, Kan.

240 Acres of Irrigated Land close to Alamosa, Colorado. Will soon be in the city limits. Price \$100 an acre. Also \$2,000 worth of city lots in Oklahoma City. Will take gen'l mdse. or hardware store, not exceeding \$20,000 to \$24,000. STEVENS & RUBY, Stockton, Kan.

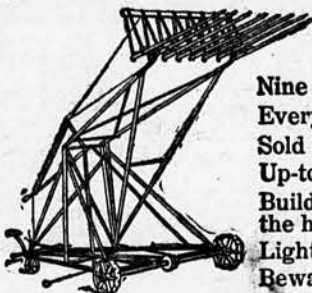


# SAVE YOUR HAY

with *The Jayhawk* Up-to-date Haying Tools

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Rock, Kan., Dec. 9, 1911.  
The F. Wyatt Mfg. Co.,  
Salina, Kan.:  
Dear Sirs:  
I have used your Galvanized Steel Stacker and find it to be far superior to any which I have ever seen in operation.  
It is sure a live hay hand. I can handle from four sweep rakes without trouble. I will be very glad to recommend it to my farmer friends. Yours truly,  
W. Starlin.



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Nine years on the market.

Every machine fully warranted.

Sold in 26 states last season.

Up-to-date in every way.

Build a stack of any size and place the hay any spot on the stack.

Lightest portable stacker made.

Beware of imitations.

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Purchaser Saves 25% of the Cost. We have cut out dealers and salesmen and are going to give you this money. You can buy direct this season at wholesale prices. Saves you big money. Write us today for big catalog with full explanations of the machine and our REDUCED PRICES.

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Show this advertisement to your husband. It tells about the wonderful Meadows Power Washer and Wringer—the machine that does a great big family washing in 10 minutes—without your working. You simply fill the wash tub with dirty clothes, shut the lid down and the Meadows starts in working. It cleans thoroughly—works the soapsuds well into the clothes—drives out all dirt and grease—a whole tubful in 10 minutes. No cranks or handles to turn—machine starts washing as soon as you close lid. Handy foot lever works wringer. Tub tips forward on stout hinges—easy to empty dirty water. With a

**Meadows POWER WASHER AND WRINGER**

you can wash, blue, wring and hang your clothes out to dry in less than an hour. Without working—without backaches—no chance to catch cold, you don't have to stand over a tub of steaming water, get heated up and then go out in the cold to put the clothes on the line. The Meadows Power Washer is strong, durable and compact. Can be set up close to the wall, runs on small power—has no complicated parts—easily operated and can't harm the daintiest clothes! Your husband will gladly buy you a Meadows Power Washer when we tell him low price. If you write us today for free circular, we will make you a special offer.

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WHOLESALE PRICE TO CONSUMERS—Combining best quality with low price. NO WATER IN MY KEROSENE OR GASOLINE.

XXX 46 gravity water white kerosene.....	\$5.50 for 52 gal. bbl.
XX 42 gravity kerosene (the kind usually sold.....)	\$4.50 for 52 gal. bbl.
XXX 64 gravity gasoline.....	\$7.50 for 52 gal. bbl.
1 case graphite axle grease (2 doz. 3 pound pails).....	\$3.50
40 gravity prime white stove distillate.....	\$4.00 for 52 gal. bbl.
38 gravity stove distillate.....	\$3.75 for 52 gal. bbl.
60 gallon (26 gauge) galvanized steel tank with pump and hood cover complete—a great convenience in every home.....	\$3.60
Extra heavy pure crude oil, steamed and settled, (black oil) good lubricant, just the thing for greasing tools.....	\$3.50 for 52 gal. bbl.
STANDARD'S PROCESSED CRUDE OIL, the best dip made for killing lice and curing mange. One application will do more to kill lice and cure mange than three applications of any other dip made (it destroys the nits).....	\$5.00 for 52 gal. bbl.
I also carry a full line of lubricating oils.	
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I can give you this bond because my rods are right. Double twisted copper cable, 99.8% conductivity test. Special copper coupler. Four-legged brace holds top up better than any three-legged brace can. Built by men who have studied lightning and absolutely prevents the lightning stroke.

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He has a copy of it. He'll also explain my inspector system which makes certain that every job of rodding done by Shinn Dealers is properly done. Have the dealer show this Certificate of Efficiency, proof that he understands lightning and that when you buy the Shinn System you get real lightning protection. Write or ask for my big free catalog.

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Engine is hopper cooled type—requires little water. Heavy steel roller, chain drive. Chain delivers full power of engine. No belts to lose power or cause trouble. Comes completely and fully equipped. Engine can be removed for other work. No amount of money can buy a better gas engine. Can furnish outfits with 4, 5, 7 and 9 horsepower engines.

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### Horse Power Presses

Our Steel Belt Power Press, our Two-Horse Full Circle, Self-Feed Presses and our "New Way" Horizontal Press are pace-makers in horse power presses. Wood frame or steel frame

—as big or little as you wish. Our catalog pictures and describes each style. And each press is reasonably priced.

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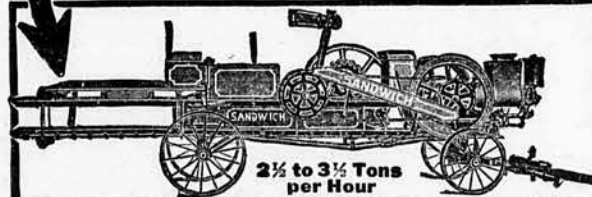
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