

Twenty-Four Pages

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The FARMERS MAIL AND BREEZE

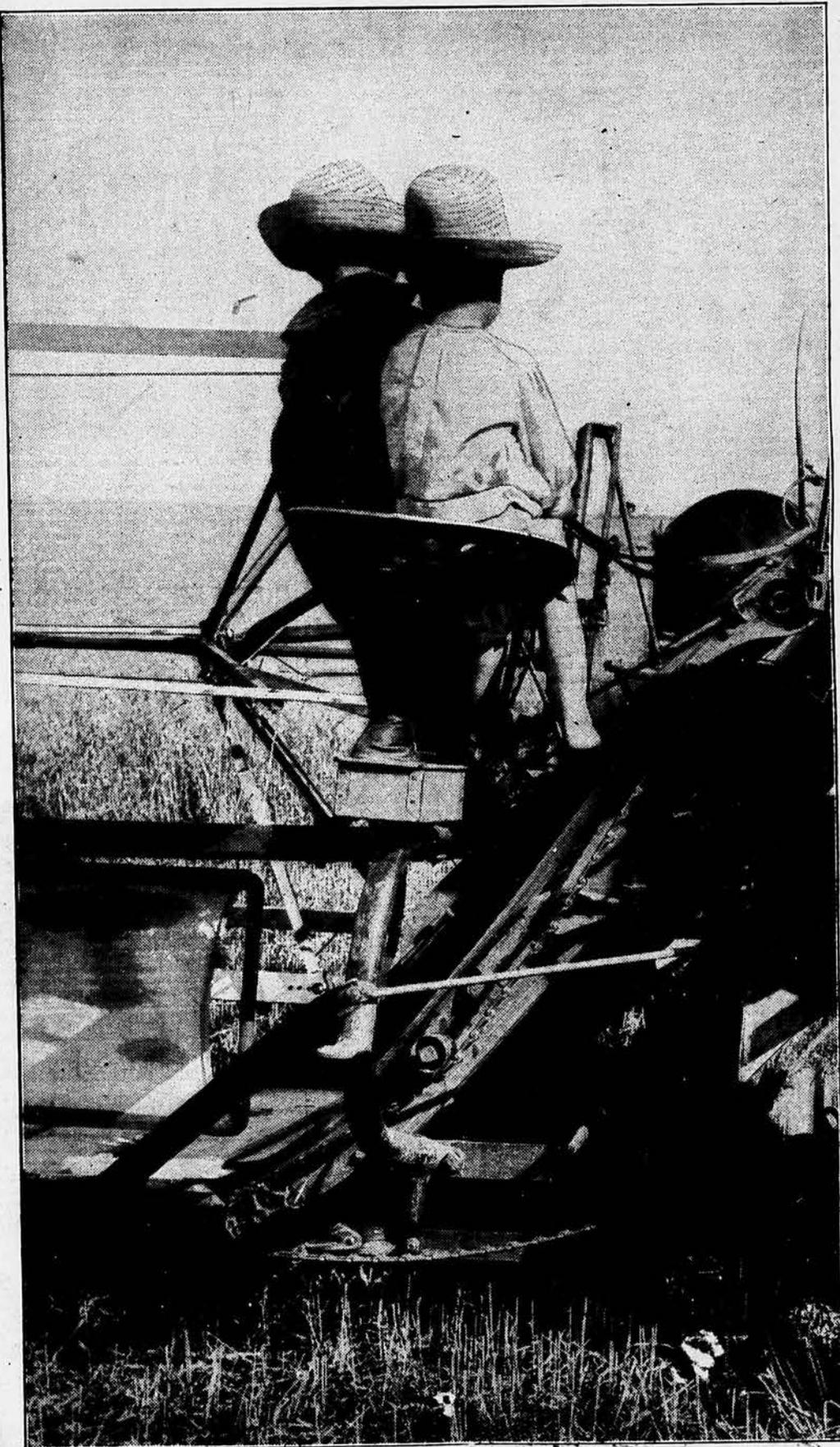
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Vol. 44.

June 13, 1914

No. 24.



The Harvesters.



Don't Forget:

Go-to-Church Sunday—

Tomorrow—June 14.

It May Help Your Crops

Good Things:

After the Grades, What?

Harley Hatch

Better Babies for Kansas

Mabel Graves

When Horses Have Ringbone

Dr. F. S. Schoenleber

Farm Ways to Win in Gray

F. B. Nichols

Wheat is Ripening Fast

And Harvest Has Begun—The Week's Crop News

By Our County Correspondents.

WHEAT has been turning fast during the last week or ten days of warm, dry weather and many dates for beginning to harvest have had to be set forward several days. In southern Kansas cutting began on a good many farms this week and will be on in earnest by the first of next week. Harvest hands who are killing time farther north, waiting for harvest to begin, would do well to work their way south where men are needed right now.

With several successive days of drying weather, some good licks have been put in working corn. The crop is beginning to stretch itself as only corn can with a well-worked, moist soil underneath, and a warm sun overhead. The feed crops have not gotten so favorable a start and a good deal of kafir and milo are being replanted.

The army worm outbreak has developed into a real scare in some portions of the state. In Crawford county, says H. F. Painter, entire fields of wheat and corn are being destroyed by them. They are also doing considerable damage to the second growth of alfalfa.

KANSAS.

Cowley County—Plenty of moisture. Wheat looking fine and oats are O. K. Corn growing nicely, and stand is good. Much kafir had to be replanted.—L. Tauber, June 6.

Nemaha County—Corn growing fine. Wheat heading nicely but is infected by the Hessian fly. Oats doing well. Some chinch bugs but not much damage done yet.—C. W. Ridgway, May 29.

Greeley County—Fine growing weather and all crops look good. Large acreage of forage crops being planted. Young hoppers thick on prairie but not bothering anything yet.—F. C. Woods, June 5.

Lincoln County—Good rain June 1. Wheat looking fine. Corn very small and backward but the stand is good. Grass very poor. Not much feed being planted.—E. J. G. Wacker, June 1.

Pratt County—Plenty of rain and everything looks well. Harvest will commence about June 22 and we will need a lot of hands. Pastures are improving. A lot of rye cut for hay.—J. L. Phelps, June 29.

Coffey County—Good rains lately which will make the oat crop. Pastures, gardens, and wheat looking fine. Alfalfa ready to cut. Fruit crop will be heavy from all indications.—Mrs. A. H. Stewart, May 30.

Woodson County—Plenty of moisture. Kafir will all be replanted. Some corn fields weedy but corn looks good. Most alfalfa is cut and some was damaged by rain. Pig crop very short.—E. F. Opperman, May 30.

Rawlins County—General rain of 1/4 to 1/2 inches over county June 1. Most wheat headed. Much corn and kafir had to be replanted on account of cutworms. Many harvest hands will be needed.—J. S. Skolout, June 6.

Greenwood County—Alfalfa all in the stack. Corn growing fine. Chinch bugs and army worms doing some damage to crops. Potatoes making good. Fruit is O. K. Corn 82c, oats 47c; eggs 15c; potatoes \$1.20.—E. E. Rardon, June 5.

Washington County—Rains of last week helped wheat and oats greatly. First alfalfa crop is being put up and yield is good. Peaches fairly plentiful. Potatoes in bloom and some early ones nearly ready for use.—Mrs. Birdsley, June 7.

Hodgeman County—Big rains last week and again May 31—June 1. Wheat filling well. Corn growing fast and milo and kafir well on the way. Early harvest is predicted. Wages will probably be \$2.50 a day.—E. N. Wyatt, June 1.

Finney County—Farmers are finishing up seeding and putting up alfalfa hay. Have had considerable moisture late in month and alfalfa is pretty good. Grass very good and stock looks fine. Crop prospects good so far.—F. S. Coen, June 6.

Pawnee County—Corn nearly all replanted because of heavy rains. Alfalfa cutting will start as soon as it is dry enough. A little damage done by hail. Stock doing fine. Eggs 15c; wheat 83c; corn 82c; cream 20c.—C. E. Chesterman, June 1.

Pottawatomie County—Wheat is gaining every day and prospects are fine. First crop of alfalfa harvested and it was good. Corn looking well. Potatoes about large enough to use. Old corn 80c; eggs 15c; cream 22c.—Mrs. W. H. Washburn, June 1.

Crawford County—Oats and wheat look fine and some wheat is being cut. Corn growing slowly and needs rain. A species of army worm has done much damage, some fields of wheat and corn being destroyed.—H. F. Painter, June 6.

Jewell County—Everybody busy with alfalfa and corn. Alfalfa not as heavy as usual. All crops look fine but we need a little rain in this locality. The rest of county seems to have enough. Wheat never looked better.—L. S. Behymer, June 5.

Gove County—Plenty of rain this spring. Vegetation and grass growing fine. Wheat that wasn't killed by frost will make a good crop. Alfalfa harvest is in progress. There will be some apples, peaches, cherries, plums, and grapes.—H. W. Schaible, June 5.

Bourbon County—Good showers fell over the county last night and crops are booming. Not much wheat here but prospects good. Oats look like a record breaking crop. First alfalfa crop yielded well. Spring planted crops in fine condition.—Jay Judah, June 6.

Comanche County—Wheat is the finest in the history of the county and the acreage is the largest. Weather has been too cool for corn and kafir and considerable kafir has been replanted. Some complaint about blackleg in young cattle.—S. A. DeLair, May 29.

Allen County—Plenty of rain. Weather too cool for corn. Flax looking fair and is blooming. Oats heading. Alfalfa being cut but crop is not very large. Livestock putting well. Pastures and hay meadows full of weeds. Eggs 15c; corn 80c.—Geo. O. Johnson, May 30.

Stevens County—Ground very wet. Planting not all done yet. Some replanting will have to be done. Wheat and rye all headed out. It looks now as though the harvest will not commence before June 20. Stock doing well. Eggs 15c; cream 20c.—Monroe Traver, June 2.

Sheridan County—Plenty of rain and wheat prospects are the best ever. Barley is fine but corn and all forage crops making slow

growth. No wheat will go in stack this month except a few early fields. Grass could not be better and all stock doing well.—R. E. Patterson, June 2.

Rice County—Plenty of rain and wheat was never better. Harvest will begin about June 20 and hands will be scarce. Alfalfa making has been delayed by rains. The Arkansas river is again bankful. Prospects for apples good but will have few peaches.—E. L. Parthington, June 6.

Ness County—Plenty of rain lately. Wheat nearly all headed and in fine condition. Barley late. Harvest will commence about July 1 and considerable help from outside the county will be needed. Feed planting nearly finished. Corn looks good but is getting weedy.—C. D. Foster, June 3.

Norton County—Good rains. Wheat and other small crops show best prospects in history of county. Corn is fine and being worked over the first time. First crop of alfalfa being put up. Wheat harvest will call for a lot of hands. Many farmers helped by articles in the Mail and Breeze.—Sam Teaford, June 5.

Trego County—Good rains this spring. All spring wheat has done very well and is in the head. Corn looks good. Feed crops have come up well. Feteria looks well. Pastures good and stock doing well. Hay prospects good. Alfalfa cutting has begun. Some kind of a worm is cutting wheat off at the roots.—W. F. Cross, June 1.

Miami County—Weather favorable for all crops. Two nice snows lately that were much needed by oats and grass. Early oats headed. Wheat promises a big crop but acreage is small. Some bugs at work but not much damage reported. Corn plowing and alfalfa harvest are keeping farmers busy.—L. T. Spielman, June 4.

Clay County—Wheat, oats, and corn doing fine. Some reports of fly damage and there is also some rust in fields. There is also a white blight in the top of some heads, mostly soft wheat. Cutworms holding back second alfalfa crop. Buffalo grass coming to take the place of young June grass. Alfalfa \$8 to \$10.—H. H. Wright, June 6.

Wilson County—Had three good rains and several showers in May. Wheat, oats and flax are splendid. Prairie grass growing well. First alfalfa cutting badly damaged by frequent rains. Corn cultivated twice and is clean. Many farmers had to replant kafir. New potatoes and penny of garden stuff on hand.—Aurora Anderson, June 6.

Dickinson County—Windy and warm. Had several light rains lately but corn needs more. Fine first alfalfa crop put up. Some fields wheat damaged by the fly and a few wheat plowed under. About 95 per cent of wheat looks good and will be ready to cut in 10 days. Oats promising. Chinch bugs have started to work in corn.—F. M. Lorson, June 7.

Douglas County—Very dry. Wheat cutting will begin June 10 as it is ripening very fast. Some fields are short and look as if they had been fired. Oats will be short. Army and alfalfa worms are doing a lot of damage. Pastures not very good and some farmers are feeding hay to cows. Corn 80c; wheat 80c; alfalfa in field \$6.—O. L. Cox, June 7.

OKLAHOMA.

Canadian County—First crop of alfalfa put up. Most corn cultivated third time. Plenty of new potatoes. Corn 75c, wheat 80c, eggs 15c, hogs \$8.—H. J. Earl, June 6.

Tillman County—Heavy rains the last two weeks and much damage done to alfalfa hay. Nearly all cotton and a lot of feed had to be replanted. Wheat harvest will begin Monday. Yield for county estimated at 1,400,000 bushels.—E. T. Austin, June 6.

Cleveland County—Farmers busy making hay and working corn. Cotton coming up well but acreage is small. Wheat ripening and some will be cut next week. Some rust reported. Plenty of pasture and stock doing well.—H. J. Dietrick, June 6.

Pottawatomie County—Corn looks fine, and much of it is waist high. First crop of alfalfa about all up. Cotton stand is poor and acreage is smaller than last year. No hogs in the county. All beef cattle gone. Oat crop good. Corn 80c; alfalfa hay \$12.—L. J. Devore, May 5.

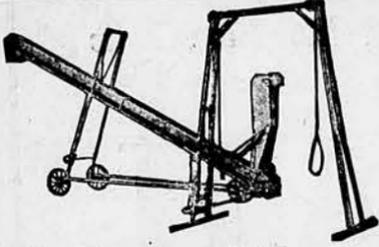
Texas County—Harvest help is very scarce. Wet weather has kept farmers out of fields and much planting is to be done yet. Grasshoppers are making their appearance. Wheat and barley will be ready to cut the last week in June. Potatoes \$1.20; eggs 13c; corn 84c.—F. Free, June 6.

Grant County—Harvest will begin June 8. Wheat still promises a good yield and first class quality. Harvest hands seem plentiful. Corn and Showers have improved oats. Corn and kafir backward. Kafir shows a poor stand. Local showers but no general rains. Cherries are ripe and abundant. Apples and plums promising.—A. C. Craighead, June 6.

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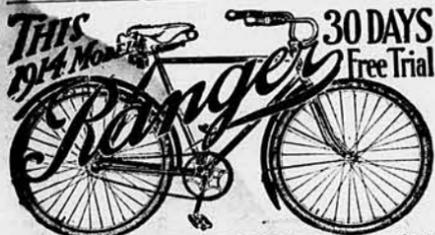
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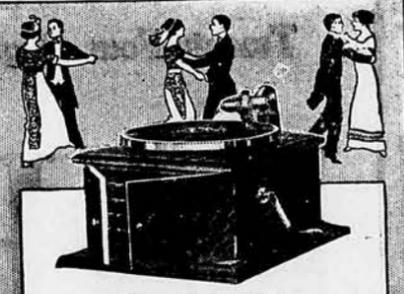
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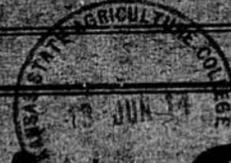
THE FARMERS MAIL AND BREEZE

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



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Number 24

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1247

Farming to Win in Gray

William Niemeir's Wisdom Provides a Way Out When Dry Days Come—No Soil Blowing There—Cattle, Wheat and Broomcorn

BY F. B. NICHOLS, Field Editor

DAIRY cattle, wheat and broomcorn are the leading money lines on the 640-acre farm of W. H. Niemeir, who lives south of Cimarron, Kan. While he gives considerable attention to wheat, which is the leading crop in that section, he believes a farmer can well afford to handle considerable livestock so there will be at least some income even if the grain crop fails. There are about 20 cows in the dairy herd, and a purebred sire is kept. Two thin-wall cement silos have been built.

These silos were built under the direction of the Kansas Agricultural college. The first one was put up by G. E. Thompson when he was the demonstration agent for that section. It is 16 by 32 feet, and it holds 131 tons of silage. There were 163 sacks of cement used in the construction, which cost 55 cents a sack. The bill for all the material was \$159.25, the plastering cost \$23 and the common labor \$64.75. This brought the cost of the silo up to \$247.

The next silo was built by Lee H. Gould, who now is demonstration agent for that section. It is 32 by 14 feet, and it will hold 101 tons of silage. Cement cost 50 cents a sack when this silo was built, and 180 sacks were used. The bills were: materials \$154.60; plastering, \$23; common labor \$26.50. This made the cost \$204.10.

A stable for the cows has been built near the silos. This building is equipped with stanchions and a cement floor, so it can be easily cleaned. A special effort is made to keep this stable clean and in good condition, so the chances for contamination of the milk will be as much reduced as possible. The end of the barn extends to the silos, so the silage can be thrown directly into the carrier, to be moved out to the cows.

Silage is fed to the cows in both winter and summer. It is not discontinued even in the spring. They are allowed to run on pasture also, but Mr. Niemeir has found that the milk flow can be kept much higher if some silage is given even when the grass is at its best. The buffalo grass in that section does not make such a big growth as the grass farther east, where more moisture is available.

Roughage and a concentrated feed make up the rest of the ration in the winter. There has perhaps not been enough protein in the ration, for Mr. Niemeir is on the high land away from the Arkansas river, and alfalfa and sweet clover do not grow well. An effort was made to correct the deficiencies of these feeds with the protein in the concentrated part of the ration.

The butterfat is sold at Montezuma, the nearest shipping point, and the skim milk is fed to the pigs. Cane and broomcorn are sown as pasture crops for the pigs, for they can make good use of crops of this kind along with the skim milk. Mr. Niemeir regrets very much that leguminous crops have not done

better in his section, as they would make a very profitable combination along with the milk.

Mr. Niemeir is well pleased with the silos, and he has a great belief in the future of livestock for western Kansas conditions. He has observed that the wheat crop fails frequently, and it was to guard against this that he started into livestock in a small way. He found that after he had started into livestock he could make fine profits from it, even if his conditions are not so favorable for livestock production as they might be. He believes that most of the farmers in western Kansas will go in for livestock in the next few years.

Grain farming has not been an uninterrupted success in western Kansas, for the crop fails too frequently. A farming system that goes to pieces in

The soil started to blow very badly in March, and it looked as if the whole crop was gone. Mr. Niemeir went on the field the second week in March, and drilled about a half bushel of spring wheat to the acre. This drilling made the soil rough, which tended to prevent the blowing, and it got a growth started promptly on the bare spots, and this was important in holding the soil. Some fine wheat was grown on land that looked as if all the wheat was doomed in March.

There are some fine examples in seedbed preparation for wheat on the Niemeir farm. The best wheat grew on corn land. The wheat was planted on the

land after the corn had been cut for the silo. As a rule the wheat does not do well on a seedbed of this kind, for it generally tends to be low in plant food and moisture. But last year the growth of corn was very light, and the cultivation that was given makes the

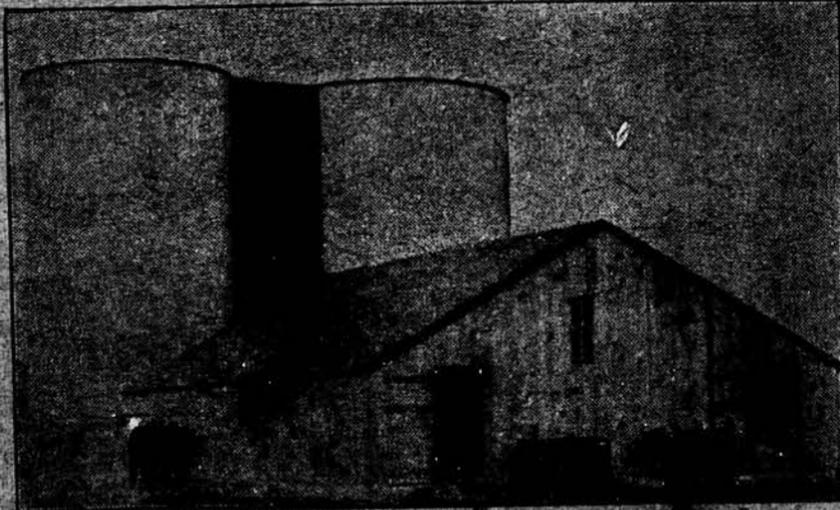
conditions somewhat the same as those obtained by summer fallow.

A small patch of volunteer wheat was left, just to see what it would do in comparison with wheat that was sown properly. The stand of this wheat was poor, and the yield was light. This is the rule with all of the volunteer wheat in that section. There was a great deal of it, too, and it reduced the average for Gray county and the other counties in that section very materially.

The wheat growing results on the Niemeir farm have shown that good seedbed preparation for wheat will pay well. There is a very common tendency in that section to "get out and farm the whole country," but Mr. Niemeir believes it is best to count on sowing only as large an acreage as he can plant properly. He has observed that when a grower gets started with a large acreage he frequently gets to using very inefficient methods of seedbed preparation.

All the wheat harvesting is done with a header, for this is less labor than when a binder is used. A considerable use is made of the straw as a feed and as bedding for the cows. The aim is to spread all the straw that is not used for other purposes, as this straw will add to the supply of humus, and it will tend to prevent the soil blowing. A farmer should always spread his unused straw, Mr. Niemeir believes.

Cane and kaffir are the leading silage crops. Especially fine results have been obtained with the cane and kaffir silage. Mr. Niemeir has grown some good crops of broomcorn, which have paid well, and he is rather enthusiastic over the crop. He grew 25 tons of brush for example on 75 acres in 1912, which gave a return of \$1,250. The yield was much smaller last year, as it was a bad season for the crop because of the dry, hot winds.



Dairy Barn and Silos of W. H. Niemeir, Cimarron, Kan.

DEPARTMENT EDITORS

Livestock Editor.....Turner Wright
 Field Editor.....F. B. Nichols
 Farm Doings.....Harley Hatch
 Markets.....C. W. Molsker

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PASSING COMMENT—By T. A. McNeal

Will the Farmers Benefit?

I have been asked for information concerning loans to farmers under the new banking and currency act. I may say right here that I have not believed at any time and do not believe now that the new law will be of any benefit whatever to the farmers who wish to borrow money. It will not in my judgment enable them to get loans one penny cheaper than they can get them now. But I am glad to give the information desired.

Section 24 of the bill provides for farm loans by member banks in the following language:

"Any national banking association not situated in a central reserve city may make loans on improved and unencumbered farm land, situated within its federal reserve district, but no such loan shall be made for a longer time than five years, nor for an amount exceeding 50 per centum of the actual value of the property offered as security. Any such bank may make such loans in an aggregate sum equal to one third of its capital and surplus or to one-third of its time deposits and such banks may continue hereafter as heretofore to receive time deposits and to pay interest on the same."

There are several bills now pending before Congress providing for farm loans through specially organized farm banks. Some of the bills provide for loans direct by the government. The Bathrick bill, which has perhaps been more discussed than any of the others, provides that the government shall borrow money on its bonds and then re-lend the money so borrowed to the farmers at a somewhat higher rate of interest than it has to pay.

I have asked a number of times why, if the interest-bearing note or bond of the government is good its non-interest-bearing note is not good also. No one so far has answered that question. There are bills pending that do provide for the issuance of government non-interest-bearing notes which shall be lent to the farmers at a rate of interest that shall provide for the cost of issuing and distributing the money and the paying off of the loans at the end of thirty years.

This is the sort of bill that should pass, but it is not the kind of bill that will pass, for the reason that the banking interests control this congress. It is no worse in that respect than the congresses that have preceded it, but the fact remains that the banking interests are able in this congress to prevent any legislation that will be detrimental to their business.

Until the people of the country generally wake up and refuse to send men to congress, no matter to what party they belong, who will not be dictated to by the banking and other interests whose business it is to lend money, there will be no very cheap money for the farmers or anybody else. 61314

Wants Him to Come Back

There is many a bit of tragedy in humble life. Here is part of a letter received from Reno county: "My husband left home sometime during the night of April 30, 1914; just packed a few work clothes in a suit case and left. We had no trouble of any kind, but the last four years in Kansas have been such dry ones and he has lost so much in the way of crops and stock and become financially involved so that he seemed to have lost his nerve and become utterly discouraged and disheartened. He mailed me two letters posted on west bound trains saying that he had given up and could not face those who knew how poorly he had done. We are on a rented place and the next payment of \$112.50 falls due August 1. We have had rain and prospects are brighter now. He has done nothing wrong but we believe he has worried over his failures and been keeping it to himself until his mind has become a little affected. We have been trying to locate him or at least get in touch with him. I believe a few encouraging words just now would bring him back. I am trying to hold the place till I can harvest the wheat and sell the crop."

I am putting in this extract from the letter with the hope that the eyes of the discouraged man may fall on it and that he will take a new grip on himself and come back to his brave and loyal wife.

It may be, as this wife suggests, disappointments and crop failures have worn on this man's mind until he has lost the power to reason clearly. I would rather think that than not, for otherwise I couldn't have much excuse to give for the man who would run away and leave his wife to bear the battle alone.

Often I have noticed that the wife is the braver soldier of the pair. The man will weaken and give up

when faced with adversity while the wife, frailer in body, will stand up against the strain and hold the line when the fates are bucking it the hardest.

In my experience in Kansas I have noted a good many tragedies among the lives of the humble folk. I have seen women, accustomed in their girlhood to a good many luxuries and the companionship that women love, banishing themselves to the wilderness of prairie, living away from all female companionship in the lonesome sod house far from other habitations; living there alone a good part of the time.

In the summer when the ground grew hard and the grass withered under the pitiless sun; without a tree to break the monotony of the wide, far reaching prairie or offer a bit of welcome shade, I have seen the brave but lonesome woman stand in the door of her humble home and shading her eyes from the glare of the Kansas sun, look out toward the horizon with pathetic and almost ineffable longing. And yet there was no complaint. She may not have reckoned all the cost when she consented to come West but she accepted the situation and fought the battle with a gentle heroism that challenged my deepest admiration.

Often the promise of the spring was swept away by the hot blasts that came from the south. The little garden that she had planted, after a hopeless struggle, withered. The sod corn that looked well in June died in July. The little store of money they may have had at the time they settled on their claim, even with the most painful economy, was exhausted at last and the husband had to go away to seek for work while his wife held down the claim.

With almost unbelievable courage this typical frontier woman took up her weary vigil and did what she could to support herself while her husband was away. At night the wolves howled about the dugout and each day was a repetition of the monotonous day that had gone before. The wind blew hot as from the furnaces of Hades hour after hour, day after day, until the eyeballs seemed to burn in their sockets and the nerves seemed raw and ready to snap with the tension.

Maybe there were times when the tears trickled down the wind-tanned cheeks but as a rule this woman made no complaint. She was game always and builded castles in her mind as she kept her lonesome vigil; pictures of the home that was to be, when a comfortable house should take the place of the house of sod; when a grove of trees should shut out the fierce glare of the sun and birds like those she used to know in her childhood should build their nests among the branches and fill the air with the melody of their song.

Sometimes the brave woman won and the dreams she dreamed in her hours of loneliness came true, and then sometimes she lost the fight. Brave and uncomplaining to the last she sank under the harrow of disappointment and with a weary sigh folded her tired hands and went to sleep, let us hope to wake in a happier land where flowers bloom ever and hot winds do not blow.

But to come back to the case in hand. If this should meet the eye of the discouraged man he will know who it refers to and I hope that he will come home to stand side by side with the wife and fight the battle with a new courage.

Note her words, "It has rained and the prospect is better." Just think of that, old man and come back. What if fate has been hard with you? It is a long lane that has no turn, and remember, "It has rained and things are looking better now."

A Question About Roads

Writing from Damar, Kan., W. H. J. makes the following statement and asks a question. "The county records show that a certain road has been of record for 31 years. The road runs north and south between sections 25 and 26. The original records show that the road was laid out 60 feet in width. Can a jog of 60 feet be made into Section 26 and the county take this as present line of the road?"

"We are in line with the old cornerstone. Can a new survey be made after twenty-five years as in this case?"

"Is it an obstruction of the road if one in Section 26 allows his fence to remain 35 or 40 feet from center of original laid out road, as has been done in this case?"

1. Roads can only be changed by order of the county commissioners after notice provided by statute and upon petition and view of road viewers. The

commissioners could not on their own motion arbitrarily change the road from where it was originally located to another location 60 rods away.

There might be a new survey ordered on proper petition but if it can be proved that this survey differs from the original government survey the latter will govern and the new survey would be set aside. The burden of proof would fall on those wishing to set the new survey aside to show that it did not agree with the original government survey.

2. If the surveyed road was 60 feet wide then the adjacent landowner would have the right to set his fence 30 feet from the center of that road. If the road has been changed according to law so as to take more of his land or to compel him to remove his fence he would be entitled to damages.

I might say here that while the writer of the letter writes in a very fair hand, like many of the rest of us, his writing is just a little hard for me to decipher and therefore I am not certain that I have got the gist of his question and my answer may not fit what he intended to ask me.

Higher Education at Public Expense

A subscriber, himself a graduate of one of our higher educational institutions, writes criticizing the system on which these higher educational institutions are operated. He says that the tendency is to educate young men away from work and toward luxury, and that as a matter of fact comparatively few of the graduates go back to the farms, but continue to crowd the professions and tend toward the cities, where they believe they can live with less toil and enjoy more luxuries.

It is a serious question in this subscriber's mind and, for that matter, in the minds of many, as to whether on the whole our higher educational institutions are of sufficient benefit to the general public to repay the cost of maintenance. There are a great many people who prefer to send their children to schools that are not supported by public taxation for two reasons, one because they find it actually cheaper to pay the tuition at the other schools, and they believe also that the privately supported schools turn out a better grade of graduates.

There is a growing belief that there is a good deal of time and money wasted in useless education, and that the effect of it is as often to spoil as to benefit the student. It will not make a better grocery clerk out of the average young man to spend four years studying the classics. It will not help him about getting a job as a plumber because he is able to sock with Socrates or rip with Euripides. He will not make a better farmer on account of the fact that at one time he knew how to prove the truth of the binomial theorem or was able to compute the distance between the planet Uranus and the Dog star.

More than one-third of the amount of our state taxes is expended on our higher educational institutions. Are we getting value equal to the expenditure?

The Colorado War

An Oklahoma reader asks for comment on the Colorado coal mine war. I have already expressed my opinion on that and have had no reason to change it.

Unless all the newspaper men who have gone out there to make a personal investigation of conditions and causes that have led up to the present strife are at fault, the mine owners, principally the Rockefeller interests, are primarily to blame. They have apparently acted on the theory that the miners had no right to organize and that each employe should conduct his own case with the employers.

It should be evident to any fair minded man that the individual miner, probably a foreigner and illiterate at least so far as our language is concerned, is not on even terms with the powerful corporation when it comes to bargaining for the sale of his labor. The very fact also that foreigners have been imported in such great numbers to work in these mines is evidence that it was the purpose of the management to get the cheapest and least intelligent class of labor, evidently on the theory that it would be easier to handle that kind than intelligent English speaking laborers.

The final result of this policy has been just what might be expected. While it might be true that at first these foreigners might be easier to handle, when their passions are once aroused by either real or even

fancied injustice they will be more turbulent than the intelligent English speaking class.

There has been no bond of sympathy between the employers and employed and even if the employers had desired it, it was manifestly harder to establish cordial relations with a mixed lot of foreigners who neither understand our ways nor our language than it would be to establish such relations with men of our own race and speaking our own language.

So the breach between the employers and employed has been growing wider and wider. The seeds of distrust and hatred have germinated and grown until the harvest of strife and bloodshed, of murder of women and children has been reaped.

To make matters vastly worse than they would otherwise have been the voters of Colorado for some unexplainable reason elected as governor of the state, a man who has shown more incapacity and all around imbecility than any man elected governor of any other state in the Union. There may be other men occupying governor chairs who are in the same class with Ammons for absolute unfitnes but they have been fortunate enough not to have been put to the test and the public has not been shown what fools they were.

I realize that just now it is the popular thing to heap unlimited abuse on the head of young Rockefeller and to declare that he ought to be hung for his crimes. I do not want however, to do Rockefeller any injustice. From all that I can learn about him, young Rockefeller is not a hard-hearted man. He does not intend to be unjust. On the contrary, his natural inclination is to be kind and to do the fair thing.

That statement from me will not suit the more radical of my readers but my opinion is that Mr. Rockefeller's fatal mistakes are the result of environment and false economic teachings. He really believes that in refusing to deal with the employes as organizations he is standing up for the individual liberty of the employed. If each of these employed were on equal terms in fact with the company of which he is the head, his position would be correct. Blinded by environment and education he cannot see what is evident to every fair minded and unprejudiced observer of the situation.

It may be that there are those who think that Rockefeller approved the killing of women and children. I do not think so. I have no doubt that the stories to the effect that he has been on the verge of a nervous collapse from worry on account of the fearful slaughter in the mining district, are true, but that does not alter the fact that these killings were the result of the system of which Mr. Rockefeller is a defender.

There can be no permanent peace in that part of Colorado until the system is changed. The same causes that have brought on the present strife will sooner or later bring on another season of riot and bloodshed.

Concerning the Money Question

Editor The Mail and Breeze—I have read your articles on the money question these many years. For a good while I thought you were joking. I read them with the same interest I did "Truthful James" but you are so persistent and so uniform in your statements that I conclude you are in earnest.

You have often stated as you do on page 5, March 21, 1914 issue, that the purchasing value of gold decreases or increases in proportion to abundance or scarcity. Let us see. I am a buyer of gold. In 1874 I could and did buy a dollar in gold with one bushel of potatoes; in the fall of '75 with 2 1/2 bushels; in the early spring of '76 with 6 1/2 bushels and on May 1, 1876 with anywhere from 50 to 100 bushels. In the fall of 1878 I could and did buy a dollar in gold with 50 pounds of live hogs; a few years later with 14 1/2 pounds; a little later with 33 1/2 pounds; a few years later with 13 1/2 pounds and today I can get a gold dollar with 12 pounds of live hog.

The gold purchasing power of cattle and wheat has varied in about the same proportion for the past forty years. In some other things the changes have been much oftener and greater. I think every season of the year from 1871 to 1906, when I quit farming, I bought at some season of the year a gold dollar for 4 pounds of butter or 4 dozen eggs and at some other season of every year I gave ten pounds of butter or ten dozen eggs for a gold dollar.

Doesn't it beat everything how the quantity of gold fluctuated in those days? I see I didn't carry my potato problem far enough. That example was unusual, but we have zigzagged back and forth from one to four bushels for a dollar during all the years since. It may be true that at some period of time or decade the general trend of prices was upward and at the same time the world's supply of gold increased, but that was coincidence and not the result of cause and effect.

Adopt "Dodd Gaston's" rule, "Any statement that conflicts with the laws of nature and human experience is false," then study human experience instead of theorizing and you won't go far wrong. Your statement is twin brother to that other hoary fraud that "Liverpool sets the price of wheat all over the world," and that other one that J. W. B. came near the White House on his theory that because silver was near sixty cents an ounce and wheat near sixty cents a bushel for a few years in succession, therefore silver set the price of wheat.

I don't see why not as well say that wheat sets the price of silver and if Uncle Sam would put his dollar mark on silver wheat would immediately jump to a dollar a bushel. Wouldn't it make a wooden Indian laugh to hear such twaddle?

I have been on this earth 80 years. During 60 years of that period I have been sitting up and taking notice and am thoroughly convinced that the amount of gold, silver or currency or the relative proportions of each has nothing to do with the price we mortals get for what we produce. Daniel Webster 60 years or more ago said, "Issuance of irredeemable currency encourages speculation and extravagance and is a most ingenious and efficient invention to fertilize the rich man's

field by the sweat of the poor man's brow." In my humble opinion that was true then, is now and will be as long as man is man.

Wakarusa, Kan.

E. C. HARRIS.

If Mr. Harris is right then all the economists so far as I know who have discussed the money question are wrong, for not one of them has ever held that the relative abundance or scarcity of money did not affect its purchasing power. If his position were true then the different money metals would have the same purchasing power without regard to their abundance. A pound of silver would purchase as much as a pound of gold, or a pound of copper would buy as many bushels of potatoes as either.

All of the illustrations given by Mr. Harris are, as he says, cases in which he has bought gold yet he contends that the price of gold is not governed by the law of supply and demand like other commodities. If it is not then it must be because it has an unnatural and entirely artificial value given it by law, otherwise it would obey the natural law which would be that it varied in price in proportion to its volume.

The special cases cited by Mr. Harris do not prove his contention and are not conclusive for the reason that the general market value of an article is not determined by particular local conditions and secondly, in determining the purchasing value of gold the general range of prices of a great number of articles must be taken into consideration and not the varying prices of a few articles affected by local conditions.

Finally, if Mr. Harris is right in his first contention; namely, "that the amount of gold, silver or currency or the relative proportions of each, has nothing to do with the price we mortals get for what we produce", then there is nothing to be feared from inflation, for the increased volume of currency would not affect the price of products.

Wants Information

Editor The Mail and Breeze—A and B have farms joining.

1. A's chickens get over on B's place. Can B collect damages from A or can A force B to build a chicken-tight fence?

2. Where there is a line fence between two farms and B has built his half hog tight can he force A to build his half hog tight?

SUBSCRIBER.

Winfield, Kan.

1. If A's chickens trespass on B's premises B can collect damages. A cannot compel B to build a fence that will keep out chickens. The law is not supposed to compel a citizen to do the unreasonable or impossible. It would require a fence at least 20 feet high to keep out some chickens I have seen.

2. Our statute in regard to fences in Kansas is far from being clear. Section 2 of Chapter 153 General Statutes, relating to fences, seems to require a hog tight fence except in those counties where hogs are not permitted to run at large, but Section 5 of the same chapter provides that a legal fence may be made of three barb wires, the bottom wire to be not more than 24 and not less than 18 inches from the ground. It is possible that a pretty fair sized hog could get under a fence of that kind. Then we have the herd law in many counties which modifies the general fence law. If however, the herd law is not in operation, B can compel A to build a lawful fence which the lawmakers supposed would be hog tight.

For the definition of the various kinds of lawful fence see Chapter 153 General Statutes of Kansas.

Editor The Mail and Breeze—Question: A goes to a real estate agent to buy a farm. He has some city property which he wishes to turn in on the purchase price. The real estate agent has several farms on his list which he shows to A. A bargain is struck between A and C, owner of a farm. C takes the city property as part pay on the farm. C pays B, real estate agent, a commission for selling the farm. Can B collect commission from A for the sale of the city property although A did not have his property listed with B?

No. On your statement of the case, B was acting as the agent for C and not for A, and therefore could not collect commission from the latter.

Truthful James

"It pays," remarked Truthful, "to be kind to any sort of animals and reptiles. For instance, there was the case of Bill Bisco. Bill was a great feller to make friends with anything in the lower animal or reptile line. He had a knack for instance of gettin' along with snakes. Most everybody hates snakes and wants to kill everything in the snake line he sees. Bill said this was not only a fool thing to do but unnecessary.

"Why," he would ask, "does a man want to kill a harmless snake that is his best friend if he only knew it?"

"And so far as that is concerned Bill is right. Of course a rattlesnake is disagreeable when he is riled, but there is the garter snake and the bull snake and the black snake and the blue racer that live mostly on mice and insects and don't do nobody any harm. Still I never could get to the pint where I could feel chummy with a snake. Bill could. He generally hed one or two in his pockets and maybe half a dozen crawlin' round after him.

He could train a snake so that it would follow

him round like a dog. When he would sit down I hev seen a blue racer and a black snake and house snake all quarrelin' among themselves to see which one would git the chance to lie in his lap. He hed a fine big blue racer trained so that it would hold a palm leaf fan in its mouth and fan Bill on a hot summer day while he slept.

"Snakes however, wasn't his specialty any more than other animals. He seemed to git along with all of 'em. Once he found a skunk caught in a trap. Now most men would have killed that varmint but Bill didn't. He opened the jaws of the trap and dressed the leg of that skunk and then turned it loose. The skunk was the most grateful critter you ever saw. It came back every day for two weeks and hunted Bill up and let him dress its sore leg. When it got well it disappeared and Bill didn't see anything of it for a couple of months.

"One night he was goin' along a lonesome road through the woods when a couple of fellers stepped out and held him up. Bill had sold a load of hogs and hed a good roll of money on his person and it looked to him as if he stood to lose it, which he hated powerful bad to do. He was hesitatin' and tryin' to temporize with them highwaymen and they was a cussin' him to beat the band and tellin' him that unless he forked over instanter they would surely perforate his person, when all at once that skunk that Bill had befriended suddenly jumped into the road and turned loose on them two highwaymen.

"That skunk sure hed an extra load on and its aim was perfect. It just naturally filled the eyes of both them holdups. The attack was so sudden that they both dropped their guns and that give Bill his chance. He slammed one over the head with the butt of his black snake whip and put him out of business and then grabbed the other feller's gun and took it away from him and knocked him out with the butt end of it. Then he took ropes and tied both them fellers hand and foot and dumped 'em into his wagon, hauled 'em to town and turned 'em over to the sheriff.

"It turned out that there was a standin' reward of five hundred dollars for the capture of each of them and so Bill instead of havin' to give up his wad raked in a cool thousand reward money and besides got the reputation of bein' the most darin' man who ever come down the pike.

"And he owed it all to the fact that he had helped that doggoned little skunk when it was in trouble. It pays I tell you, to be kind to animals."

If We Farmed This Way!

Suppose that every two years two or three individuals in your community, not conspicuous for their knowledge, experience, trustworthiness or industry, or anything else in particular, were elected to run your farm. Then in two years more these fellows were turned out and two or three other foot-loose place-hunting greenhorns were turned into these jobs. In what condition would you expect to find your farm at the end, say, of ten years or even a few days or weeks?

For fifty years the business affairs of the state of Kansas have been managed in this way. For fifty years we have been appointing men to jobs in the various departments of the state and county government either because they were good fellows or had some political pull or "stood in" with "the gang."

Is it any wonder that our system of government leaks tax money like a sieve; that taxes have nearly doubled in ten years and are steadily increasing year after year without any perceptible increase of benefits?

If the greatest business ever organized, the Standard Oil company, were conducted in the same manner, John D. Rockefeller would soon find himself a poor man. Yet you will often hear a puzzled citizen say he can't see where the tax money goes or what makes taxes so high!

What's the remedy: Our big business concerns, such as our packing houses, where it is boasted even the squeal of the pig is utilized, have reached their high state of efficiency through systems worked out by experts. Let the next Kansas legislature provide for an expert survey to simplify state and county government; to stop the waste of loose, cumbersome methods, incompetency and graft; to do away with all useless, time-serving, unnecessary work created simply to make jobs for political favorites. Then back this up with a merit system which cannot be monkeyed with, in order to keep "the rascals out." This will make it possible to keep good men in office when they demonstrate extra fitness and ability. This will give every good man a chance and an inducement to fit himself for the public service, if he wishes to, and will prevent turning the management and business affairs of state and local institutions upside down at every election to find or make places for an always increasing number of political henchmen who consider public offices legitimate spoil. In a word, this would give us genuine public service, something we would be proud of and which it would pay us to maintain and support, because it would give us a dollar's worth of service for every dollar we were taxed. Shall we do this or keep paying the fiddler?

Arthur Capper

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Be Careful in the Harvest

Grain Is Wasted Every Year In Shiftless Ways

BY F. B. NICHOLS
Field Editor

THE profits in Kansas wheat growing depend to a great extent on the care in harvesting. Much grain is wasted every year by unfavorable weather and careless handling, and losses from both sources can be much reduced if good methods are used. It is extremely important that the wheat should be cut promptly just as soon as it is ready.

When wheat is harvested with a binder it makes the highest yield if it is cut when the straw has turned yellow and the grains are quite hard or in the hard dough stage. If the crop is cut when it is immature, the grains will become shrunken, the yield will be smaller and the weight of the grain will be less. If the wheat is allowed to stand too long, especially in the soft wheat sections, it will become bleached, and it may shatter even when it is still standing.

Prompt shocking of the wheat cut with binders is of great importance; especially is this true if the wheat is cut a little green. Prompt shocking allows the completion of the ripening process, as it favors the transfer of the material from the straw to the grain. It is also possible to set up the wheat in better shocks if the shocking is done promptly, for the straw thus does not have a chance to become dry, fluffy and brittle.

From 12 to 15 bundles make a good sized shock, and it is best to make shocks round. It always pays to use cap bundles, and they should be placed on the shocks carefully. Break the heads and butts of these sheaves before you place them on the shock, and then smooth them down, just before you leave the shock. This will tend to prevent the bundles blowing off. It is well to go over the field later, and to replace any bundles that may have blown off. As a rule the bundles stay on well if they are properly placed, if the wind is not high the first day or two, for they soon get settled in place.

When headers are used an important source of waste is the heads and stems that are left on the ground. In the central part of the state, in the main wheat section of Kansas, a great deal of the help at harvest time is imported, and much of it is somewhat careless. It is important that one should watch these men carefully, for they have no personal interest in the grain, and frequently they are not so careful as they might be in preventing loss.

Lost in the Shock.

An immense amount of wheat is lost in Kansas every year by exposure in the shock, while the owner is waiting for the machine that will "be here the first of next week." It never pays to wait on the stacking after the grain is ready, for there are too many things that can happen to that machine. Begin the stacking just as soon as the grain is ready. There is not a great loss of labor with this system, for there is frequently much loss of time with the big outfit of help that is required for the threshing from the field, when it is delayed. And if the stacking is well done the grain will be protected from the exposure and loss which would be certain to occur if the grain was left in the shock. In speaking of this loss a few days ago, L. A. Fitz, professor of

milling industry in the Kansas Agricultural college said:

"In addition to causing the bleached appearance and lowering the test weight, the exposure of wheat to rain and sun while standing in the shock causes many of the kernels to sprout, and sprouted wheat will not produce good, sound flour. Furthermore, the indications are that this excessive moisture acquired in the field continues to be a source of injury to the quality until the wheat is dried."

This protection of the wheat from the weather is of special importance, for there is a close relation between the rate of increase in the moisture it contains and the decrease in the test weight. This relation is not absolutely constant, but it is close enough to be depended on. And what makes this of even more importance is that if there has been an increase in the moisture content, with a corresponding decrease in the test weight, a complete reverse action is not possible. Therefore if the grain has been damaged by exposure or by being stored under improper conditions it will never be so good as it was. The moral of all this is obvious: Handle the grain properly if you desire the best price.

Watch the Pitching.

Another important thing in wheat harvesting is to be certain of the men who are doing the pitching. Many thousands of bushels of wheat go through the separators in Kansas every year because of "bonehead" pitching into the machine. There never was a separator that could do good work when the pitchers were slugging it all the time. For one thing, the separator man cannot keep the concaves screwed up tight, for if he did he would have to buy cylinder teeth by the thousand. All that he can do, when he strikes an especially bad bunch of pitchers, is to let the concaves down, in order to keep the machine going at all. Therefore the grain is not all knocked out of the heads.

The bundles should be fed into the separator in two rows, with the heads of a bundle on one side even with the band on a bundle on the opposite side. Always feed the bundles in heads first, which will allow the cylinder teeth a better chance to knock the grains out of the heads as the bundles go through. Always get men to do this pitching whom you can depend on.

The highest price can be obtained for the wheat if bins are constructed on the farm, so the wheat can be kept until the price is high enough to tempt one to sell. Market manipulation of prices at harvest time has been reduced to an exact science, and an effort is always made by speculators, who never have grown a bushel of wheat and do not intend to, to make a living from the profits that should go to the growers. The aim of producers should be to build bins and save this profit. In discussing the wheat selling proposition recently, A. M. TenEyck, formerly professor of agronomy in the Kansas Agricultural college, said:

"The present tendency of rushing the grain to market at threshing time often results in glutting the market and in lowering the price below normal, and the railroads and elevators are unable to handle the large quantities of grain prop-

(Continued on Page 9.)



After the Grades—What?

No High School at Home for Country Boys and Girls

BY HARLEY C. HATCH

TODAY 65 or 70 of the pupils of the Coffey county rural schools are going to Burlington to be graduated. The ages of these young people will range from 12 to 15 years and they are supposed to be through with country schools. If they attend school after this they will have to go to town. Can you imagine any more dubious experiment than to send children of that age away from home for the next four years and allow them to run wild in some town? If the object is to wean the children away from the farm and induce them to take up with town life the present system is as good as could be devised, no doubt.

It is true that country children may attend district school after graduating but the teacher of that school is not compelled or even encouraged to teach any high school branches. Let us see: After this term the teachers in our country schools must make a showing of at least three years high school work or they will not be given a certificate.

So they can be better able to teach the higher branches, you ask? One would think so were it not that the teaching of not one of these higher branches is required in our rural schools. We compel our prospective teachers to attend high school for three years and then do not let them teach what they have learned in that time! Any inconsistency here?

Showers have kept the soil in this locality in fine condition. In a district south of us a heavy rain covered up much of the kafir planted in lister furrows. The cost and scarcity of kafir seed this year makes replanting a more serious matter than usual.

The work on this farm the last week in May, began with kafir planting. The ground had been plowed some time before but it was rather dry and we thought it could not be put in good enough condition to justify planting imported kafir on it that cost \$5 a bushel. So we waited for a rain which came in time to allow planting May 25. The ground was left in prime condition for planting after one "swipe" with the harrow.

After the kafir was out of the way we had a field of alfalfa to cut but the weather looked so rainy that we kept on with the cultivating for a day or so waiting for the clouds to clear away. After we thought they had cleared we went in and cut the alfalfa and then of course it had to rain. Small showers and clouds kept the hay from curing for several days but we now have it in the shock and expect to stack it tomorrow.

We sowed two fields to alfalfa this spring and one of them is growing right away from the other. The reason is, we think, that four years ago the best field had a coat of manure. Since then the seasons have been dry and the crops have not been able to use all of the manure. But the alfalfa is certainly eating it up this spring and if it grows during the next 30 days as it has during the last week we shall have a crop of hay of this spring's sowing.

After cutting the alfalfa and planting the kafir the rest of the week has been put in cultivating corn. Most of the work has been done on the top-planted corn, which has been outgrowing that which was listed. But this is what always happens; what the final outcome will be can better be told next August. Should the summer be dry a rank early growth of corn is a drawback, for the plant makes a start which weather conditions do not permit it to follow up. A stout, stocky stalk of corn growing in a listed furrow will make the best ear in a dry summer.

What cultivating we have done in the listed corn has been with a disk cultivator with one disk taken off each side. There is no weed or grass growth

at all in the furrow bottom so there is no necessity for getting right up to the corn. But if we work as far away from the corn as the edge of the furrow and leave all the disks on each side it hakes too much dirt over into the opposite row. This is the reason for taking off one disk. With a disk cultivator set in this way a team can skip right along and the ridges are completely cleaned of any weed or grass growth. We do not grow enough listed corn on this farm to justify buying a two-row listed corn cultivator.

As this is written, tomorrow is to be Memorial day. To us it brings a memory of a line of men in front of the Congregational meeting house in a little northern Vermont village ready to start on their march of almost a mile to the cemetery where lie many of the soldiers of the old Vermont brigade, an organization of five of the six regiments, every one of which lost more than 200 men killed in battle. The time is 30 years ago and the men in line are all veterans of that brigade, men still in the prime of life. The fife and drum strike up, the tall color sergeant shakes out the stars and stripes, and the procession starts. The veterans living in that little town made a long line on Memorial day 30 years ago but today few of them are left. Time has brought some of that noted brigade to Kansas. A number live in Topeka; one is mayor of the city. They have been as good citizens as they were soldiers. Should the country ever call for men again let us hope that soldiers equal to those of '81 will respond. If they do, this country need fear no foe on earth.

A Mail and Breeze reader writes from Wilson county asking about the law in regard to the use of the net in Kansas streams. The inquirer had better write to L. L. Dyche, state fish and game warden, Pratt, Kan., for correct information. However, it is our impression that the use of the net is prohibited but it is possible that nets with a mesh of a large size are permitted. This inquirer also asks who is by law compelled to pay for a colt. The mare was bred in western Kansas by A and by him brought to eastern Kansas and sold to B. After the sale the mare bore a colt. The colt, in the absence of any other agreement, should be paid for by A. He also asks if goats will clean the buck brush out of a pasture. They will, if they don't have too much good feed in addition to the brush. Goats and sheep seem to like weeds and brush that no other stock will eat and one will always notice that a pasture in which there is any number of these animals is always free from weeds or brush.

I consider the Farmers Mail and Breeze one of the best magazines that comes to our house, because it always contains valuable instruction for farmers, chicken raisers and gardeners.
David A. Olsson.
McPherson, Kan.

ROSY AND PLUMP Good Health from Right Food.

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"About twelve months ago my wife was in very bad health, could not keep anything on her stomach. The doctor recommended milk, half water, but it was not sufficiently nourishing.
"A friend of mine told me one day to try Grape-Nuts and cream. The result was really marvelous. My wife soon regained her usual strength and today is as rosy and plump as when a girl of sixteen.
"These are plain facts and nothing I could say in praise of Grape-Nuts would exaggerate in the least the value of this great food."
Name given by Postum Co., Battle Creek, Mich. Read "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.

This Is My Car THE DEPENDABLE



Buy a car the way you'd buy a farm. Two 80's lying side by side may vary 60 per cent in worth. The shrewd farmer examines the soil; carefully inspects the buildings; the fences; the drainage; the water supply. He takes the farm all apart. Then, and not before, can he compare the value with the price asked.

Can a car be bought that way? Yes—it MUST be bought that way if the buyer is to be permanently satisfied.

Stop and think before putting the price of several acres into a piece of machinery! In the name of reason, why not analyze the value while your money's yet your own?

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Your own judgment will tell you that the Detroit rear platform spring is superior construction. A ride over rough roads, thank-you-moms and all, will clinch the spring question.

Durability is also a big factor. Continually sending to the factory for repair parts is both costly and annoying. From January, 1913, to January, 1914, every Detroit car in operation (young and old) averaged only \$3.81 per year apiece for repair parts.

Now aren't these the sort of facts your judgment tells you to get before buying that car? Wouldn't you buy a farm, or a horse, or a plow in this same careful, sane, particular way?

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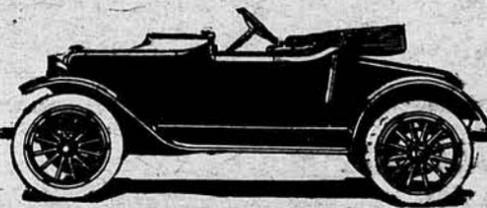
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See the Grocery Safe in the bargain book, a big cost-cutting list of fresh, wholesome, cleanly-packaged pure foods. Buy the best for the least. Save lots of money on the staples you will need in your pantry for weeks to come. Get better quality for less money in everything needed on your table. Lay in a supply. Place a trial order at our risk. Every penny back on any article you don't want to keep.

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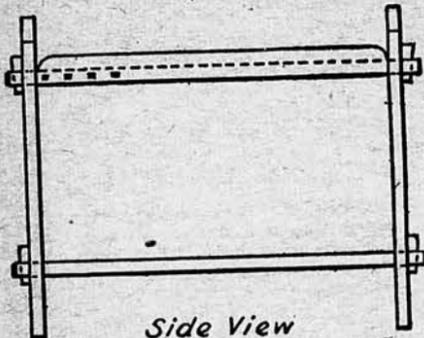
A Foot Rest Boys Can Make

The Directions for Making and Finishing It Are Given

BY D. A. KRATZER

A FOOT or leg rest to be used with a rocking chair when the occupant wishes to assume a reclining position, is shown in the illustration. It is best that this piece be made out of some hard wood, such as quarter or plain sawed oak, and it should be given a finish to harmonize with that of the chair with which it is to be used.

The wedges may be made from the waste wood left after cutting the tenons. If you happen to be handy to a planing mill, all the principal pieces should be ordered mill-planed or surfaced on two sides to the correct thick-



Side View

ness. If desired, they may be sandpapered as well, to save a little time.

Here are the measurements and directions:

Length of end piece 21 inches, width 10 inches.

Length of upper keys, 2 inches, with 4-inch space between.

Length of upper tongues, 2 inches; lower tongue, 2 1/2 inches.

Length of pin, 2 1/2 inches.

Solid ends, upper piece nearly as wide as ends, lower piece 4 inches wide.

Height of gabled ends, 1 1/2 inches.

Holes 3/4 inch in diameter.

Decoration at bottom—straight edge 2 inches, cut up 3/4 inch at angle of 45 degrees, then straight across 3/4 inch, again at same angle for height of 2 inches.

Distance from top of end board to top of upper crosspiece, 3 1/2 inches.

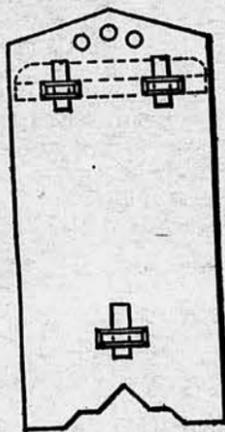
From bottom of lower crosspiece to bottom of end piece, 4 inches. Distance between ends 22 1/4 inches.

Length from outer end of tongue to outer end of tongue on opposite end, 26 1/2 inches.

Don't Hurry the Work.

Begin work by planing the various pieces to the dimensions given. The tools needed in the construction of this article are a try-square, plane, rip and cross-cut saws, chisel and brace and bit. It is needless to say that the tools should be sharp and the work done according to woodworkers' methods.

After the pieces have been squared to size, the mortises and tenons should be



End View

laid out and worked and the keys made. All parts should be thoroughly scraped and sandpapered before being put together. If the foot rest is to be collapsible, no glue should be used on any part of the frame.

The keys may be shaped in a variety of ways. The most important thing is to design them so that they will wedge against the uprights and hold the frame rigidly. The designs at the top and bottom of the uprights are suggestive. A satisfactory way to finish the ar-

ticle is to coat the various parts, before assembling them, with a filler of the color desired.

Finish as You Wish.

Fillers can be purchased in the various colors and the directions for their application will be found on the cans. Apply the filler and when it has hardened over night, finish it as you wish. If a high glossy finish is desired put on several coats of varnish, being careful to allow each coat to dry thoroughly before putting on another. When the last coat has been added and has hardened put on two coats of floor wax according to the directions found on the can. If a dull but rich finish is desired, apply several coats of floor wax over the filler. Bring each coat to a polish with a piece of flannel or wool.

Assemble the parts, either after filling or waxing, then if desired put on the upholstered top as the drawing suggests. Select a leather of the color suited to the finish. Use a heavy canvas for the preliminary covering. Fasten one edge with common carpet tacks. Place the filling and fasten the second side and the ends. Next put on the leather and fasten with ornamental nails.

The Mowers.

"They are going to mow in the valley today;

Meadow lark, what will you do,"

The little winds say;

"You and the bees and the butterflies, too?"

Their scythes are all shiny,

Up and away!

The mowers swing into the grass today."

"They are going to mow in the meadow today;

Daisies, where will you go,"

The busy winds say;

"You, and the weed folk, all in a row?"

Come home to the hillside!

There will we play;

The mowers swing into the grass today."

—John Vance Cheney.

Children Meet To Spell

BY CARLE PLOWMAN.

I have been very busy with school work and haven't had time before to write up our spelling contest. First, a spelling contest was held in each township in Jewell county to decide which ones should spell in the county contest. The winners in each grade in the township contests were given ribbon badges, blue for first place, red for second and white for third, each with the name of the township and the grade printed on them. Nearly all the boys and girls of our class went to the county contest at Mankato. The railroad fare was paid for the contestants. The train was crowded before it got to Jewell, but it was such a short distance for us that we didn't mind standing. We had several yells and kept ourselves busy with those. A great many children came in automobiles. The people of Mankato said it was the largest number of motor cars ever seen in town. The first thing we did was to go to the courthouse where we were given tickets for a free dinner. The Y. M. C. A. gymnasium was filled with long tables and three hundred were seated at one time. We surely enjoyed that dinner of chicken pie, mashed potatoes, salads, vegetables, pie, doughnuts and things.

Part of the grades had their contests in the courthouse and part of them in the opera house. The words spelled by the eighth and ninth grades were taken from Rathbun's Graded Speller, lessons 148 to 210 of part three. It was announced that in case they could not spell the contestants down on these words they would pronounce words from a daily paper. I think there were about 70 spellers in those two grades. About six teachers were pronouncing so you see that that gave us lots of words to spell. Finally there were only six spellers left, and with four pronouncers, the words came about as fast as we could spell them. When only four of us were left they began to pronounce from the newspaper. That furnished us plenty of hard words, and it

didn't take long to wind up. The last word was "martyr" and was spelled "martar." Webster's New International Dictionary was the first prize, Webster's Collegiate Dictionary the second prize, and Webster's Academic Dictionary the third prize. Ribbon badges were given too. I think I never have seen so many children in a bunch as were in the Y. M. C. A. building during the dinner hour. We brought home two dictionaries in our class.

Farmers and the Roads

Almost all farmers are in favor of good roads but they want their money to be spent on the roads and not for engineers to set grade stakes and unwind red tape. We do not have to go to the cities to get farmers and road builders. We have plenty of men that are willing to work and earn their money, right here on these Kansas farms.

Almost all the farmers look at the road subject just as H. F. Riekenberg and J. H. Classen and so express themselves, but they do not write for publication because they are too busy trying to make a living and pay interest and taxes.

You might think that I am not interested in good roads, but I am. I keep up

A Golden Text

He should have fed them also with the finest wheat flour.— Psalm 81:16.

one mile of private road myself and spent \$75 on one-fourth mile this spring in order to get to a township road. My next neighbor keeps up three-fourths mile in order to get to a township road and the next nearest neighbor maintains one-half mile, and there are others in this community that do likewise.

Still, we ought not to complain because we can drive across the county road going to town. Our country roads are extra good here at least 11 months in the year. It isn't the roads that bother the farmers, it is whether or not we will have something to haul over the roads. Elias Farr. Sylvan Grove, Kan.

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Our Offer—We are giving these baseball curvers away free as a means of introducing our great farm and family name, Missouri Valley Farmer. Send us 10c for a three month trial subscription and immediately upon receipt of same we will send you one of the curvers, by return mail free and postpaid. If you want one of these wonderful little curvers do not delay but send us your subscription at once to the address below. Our supply is limited. Do not put off sending in your order now. Address MISSOURI VALLEY FARMER, BC20, Topeka, Kansas

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Co-operation Pays in Lyon

More Than \$5,200 Has Been Saved Since December

BY F. B. NICHOLS, Field Editor

MORE than \$5,200 has been saved to the farmers of Lyon county since the Lyon County Farmers' Produce association was organized in December. More than \$50,000 worth of business has been done, and the saving on this business has averaged about 10 per cent. There are now 200 members in this association and the membership is increasing. A. B. Hall, a farmer near Emporia, is manager.



Members of the Lyon County Farmers' Produce Association Unloading Corn at Emporia.

"We believe that organization among farmers is essential," said Mr. Hall a few days ago. "Almost all other classes are organized, and if the farmers wish to carry on their business in the most economical manner they must co-operate in buying and selling. We have shown that a farmers' organization will pay well, for we have saved more than \$1,000 a month to the farmers of this county since we organized."

The association began business in December with less than 50 members, but the membership increased rapidly, just as soon as the producers of Lyon county saw that they could save money by joining. Emporia is quite a hay shipping center, and 38 cars, or 458 tons, were sold, mostly to Kansas buyers, the first month, at about \$2 a ton gain over Kansas City prices. This meant a saving to the sellers of about \$1,200, including the other business that was done, and it placed the new association on a good standing at once.

Since its beginning the association has sold 139 cars of hay, and a good saving was made on all of it. In addition 30 cars of corn, oats and other feed have been shipped in for use in Lyon county. The success of the association has been so good that the members were encouraged to issue the call for the state-wide meeting of the hay dealers of Kansas, which was held in Emporia, May 15. Five hundred of the hay shippers of Kansas met there at that time, and organized an association to fight the increase in hay rates on the Kansas City market from 50 to 75 cents a ton.

"A commission man's chief investment is a stenographer," said F. M. Arnold, president of the Commercial State

bank of Emporia, in discussing the change in the rate. "Besides her, he has a desk and a little stationery. There is no reason that the farmers can see for the commission men to crack up their price for handling hay. And the farmers are not going to stand for it. We have dozens of letters from farmers and hay growers in other counties who protest against paying \$9 commission on a car of hay, instead of \$6. The success of the Lyon County association has suggested to them that the commission man can be eliminated on a large scale.

A strong farmers' association like the Lyon County Farmers' Produce association can help the producers in other ways besides in selling and buying. For example, it recently adjusted a dispute between the farmers and the Emporia Telephone company. When farmers are organized, they have a club that compels the public service organizations to give them a square deal.

This association has made it possible to organize a co-operative egg selling organization. The object of this organization is to find a market for poultry products, and to get higher prices by the introduction of better methods of production and selling. There is one central organization and several community egg producing associations. Each member has her own individual number, and every egg is stamped with this number and the number of the association. The eggs must be collected at least twice weekly, and it is planned to have the eggs to the city customers within five days after they leave the nests.

"Some men say that farmers cannot get together in selling and buying, but we have shown that they can," said Mr. Hall. "So far we have a fine organization of earnest farmers, and every one is a booster. We hope that we can make our association a stepping stone to a larger organization to get laws to prevent gambling in farm products."

The Lyon County Farmers' Produce association is showing that co-operation among farmers is a success. It is paying in real money.

Be Careful in the Harvest

(Continued from Page 6.)

erly. More grain should be stored on the farms, and hauled to market later, when the time is readily available. This would allow the grain to be handled much cheaper, and it would allow the market to stay much more steady.

As to Shrinkage.

"When dry wheat is placed in a bin it will seldom shrink more than 2 per cent. It frequently will not shrink more than 1 per cent for the first six months, and after the first loss of excess moisture the grain should not decrease in weight materially by longer storing, except as it may be injured by weevil and other pests."

More profit could be made from wheat growing in Kansas if better care were taken with the straw. This is a source of profit that all too frequently is neglected, and is allowed to go up in smoke, with a great loss of soil fertility and humus. L. E. Call of the Kansas Agricultural college has well said that it ought to be made a crime to burn straw. It is destroying wealth just as surely as burning up a town.

An especially profitable use can be made of the straw in the soft wheat belt of eastern Kansas, when cattle is kept. When this is the case it will pay well to stack the straw carefully; it would be well to place two men on the stack

for this work. Among those who have found that a good profit can be made from wheat straw is Walter J. Burtis of Fredonia, who has made a great record in the last few years for high wheat yields. He has found that the feed is valuable, if it is fed in connection with leguminous crops and other good feeds.

Every straw stack in the western part of the state that is not used for other purposes ought to be spread back on the land. There are machines that will do this work quickly and cheaply, and at a good profit. The humus in the straw is badly needed on the soils of that section.

For More Progress in Allen

In a recent bulletin of the Allen county farm bureau, which has just been sent to all the bureau members, W. E. Watkins, county agent, publishes the following terse platform for county progress:

- A larger acreage planted to cowpeas in 1914.
- More and better draft sires in some sections of the county.
- More sheep for weed scavengers.
- More and better-paying dairy cows.
- A cow-testing association.
- A milk condensary or cheese factory.

There are in the United States 1,031 women architects, designers and draftsmen.

P. A. just tickles us all!

—the men who make it, the men who sell it, and, best of all, the men who smoke it! Did you or any other man ever know of any tobacco that just did cause such an overflow of happy days? Why, it has put the old jimmy where it always should have been—number one on the smoke-joy list! And that's no idle dream!

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I have just made one of the largest dictionary purchases ever shipped into the West. I got them for a price away below the usual wholesale rate—a price so low, in fact, that I can give these books free—as long as my supply lasts—to the readers of this paper. I will send one of these big value dictionaries free and prepaid to all who fill in the accompanying coupon remitting just \$2.00 to pay in advance for a 3 years' subscription (156 big numbers) to my well known farm weekly, "The Farmers Mail and Breeze."

My supply, while large will not last long on such an offer as this! So if you want to get in on this great bargain, sign and return the coupon with \$2.00 today. The coupon must be used, or the wording copied on a piece of letter or note paper in order to secure this special price. Renewal or extension subscriptions accepted on same terms as outlined above.

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Dear Sir: I desire to accept your special offer and enclose herewith \$2.00, to pay for 3 years' subscription to Farmers Mail and Breeze, and you are to send me, prepaid, one leather-bound "Webster's 825-Page Dictionary" as per your offer.

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State

Better Babies in Kansas

Children Are Important As Well as Colts and Corn

BY MABEL GRAVES



A Well Set Up Missouri Boy



Mildred Shawner, Kincaid, Kan.



Charles Higgs, Abilene, Kan.

BETTER crops, plus better livestock, plus better babies, equals prosperity. How's that for practical arithmetic? We have been having the first two in Kansas for a good many years and we believe we have the third. But we don't know. Next fall we shall come much nearer knowing than we do now.

Kansas is to have a Better Babies contest. This has been definitely decided. It will be held at the time of the state fair in Topeka next fall, and it is expected that hundreds of babies will be here to take advantage of it.

A Better Babies contest is not a beauty show. Many things are more important than beauty. A perfect child will be good looking, naturally; that will be because he is healthy, and his brain awake. It isn't to be a contest in pretty clothes, or curls, or any of those things. Another name almost as good would be a Babies' Health contest.

In this contest the babies will be examined by experienced physicians, and nothing will be too small to escape their attention. The eye, the ear, scalp, hair, nose, teeth, throat, skin, height, weight, chest development—these and many other things will enter into consideration. The score card which will be used has been prepared by some of the greatest experts in baby diseases in the United States. This score card, filled out, will be given to the mother of each baby after the examination is over; and if her baby falls below the standard the score card will show the reason why.

The value of such an examination will be appreciated by every father and mother. The expert information they thus secure may be of untold value in pointing out defects they never had suspected and giving them a chance to remedy them. The examination is to be made by the medical school of the state university and by Dr. S. J. Crumrine, secretary of the state board of health. And with the state board of health and the state school of medicine in charge Kansas is certain to have some valuable work done.

At the top of this page are shown two Kansas babies that are rather above the average for their age in height and weight. Mildred Shawner when 2 years and 11 months old had a height of 41 inches, head measurement of 20 1/2 inches, chest 25, abdomen 25, wrist measure 5 1/2, weight 40 pounds. These are standard measurements for a child 52 months old, except that the chest and abdominal development are remarkable. She was raised on the bottle, on the milk of a Hereford cow.

Charles Higgs, 2 years and 6 months old, measures as follows, stripped, as

all babies should be when measurements are taken: Weight 34 1/2 pounds, height 38 1/2 inches, circumference of head 20 3/4 inches, circumference of chest 21, circumference of abdomen 21 1/2, diameter of chest 6 3/4, chest front to back 6, length of arm 15, length of leg 16.

C. W. Alexander of Bowers Mills, Mo., writes that his little son 2 years 3 months old has a height of 35 inches, head measure of 20 1/2, chest 22, abdomen 23.

Dorothy Callahan, 33 months old, won the highest score at the Oklahoma state fair last fall over 500 contestants, her score being 99 1/2 per cent.

It is interesting to have a child taller, or heavier, than other children, but it isn't necessary. There are too many other things to be considered. One of the most important is a good chest measure, for the reason that it indicates vitality. A sunken chest probably means lack of pure air. Now that summer has come one of the surest ways to keep baby at par is to put his crib on the porch or under a tree, well screened from the flies by netting, and let him take his daytime naps there. The bedroom at night should be well ventilated.

There are cash prizes to be given in this contest for the best babies, city and country, boy and girl, something over \$200 in all. Besides this the baby that makes the best score of all that are entered will receive a \$25 gold medal awarded by the Woman's Home Companion. Children from 12 to 36 months old may enter.

If you are going to enter your baby in the contest it will be a good plan to go to work to prepare for it now. The baby that wins a prize must be well cared for. Fresh air, simple, nourishing food, and kind treatment—these are some of the things necessary, very simple, common-sense things. Scolding and blows will ruin the disposition of a baby as quickly as it will that of a colt.

The Better Babies contest is under the direction of the Mothers' Congress, with Miss Mabel Graves as superintendent. Enrollment will begin in August.

Housekeeping Will Go Easier
[Prize Letter]

Kansas has one pest which we dislike to acknowledge, and that is the chigger. Last summer I found a remedy. Just rub the affected spot well with hydrogen peroxide, and in most cases you will be free of the chigger and the itching he causes.

Peroxide is also a priceless remedy for other things that come with sum-

mer and barefooted good times. Never fail to give each little scratch or bruise a thorough cleansing with peroxide. It may save many sleepless nights and doctor bills.

The pancake turner may also be used to turn potatoes when frying, to turn eggs, and to remove the eggs from the pan. Instead of turning a panful of freshly baked cookies out with a bang lift them out with the pancake turner.

Buy a cake of beeswax at the drug store for 5 cents and use on your irons when ironing. It is surprising how smooth they will become.

You can save a good many patched corners by spreading the blanket full length on the clothes line and then bringing the ends back to the center. The corners will not whip and fray out as when left on the outside.

Borrow the children's express wagon on wash day to haul the clothes basket in, and you will save much stooping and many heavy lifts.

Heaston, Kan. Mrs. C. M. R.

Less Cruelty to Babies

[Prize Letter]

A writer for a recent daily paper made a plea for our dumb animals and asked everyone to see that horses, cattle, chickens, dogs and cats have plenty of water to drink during the coming hot season. But she didn't mention the poor, helpless babies.

Mothers do not intend to be cruel when they neglect to offer their babies a drink several times a day. Many think a child needs no water if it has milk to drink. Once on a hot day when I was visiting a neighbor she pumped a pailful of cold water, gave me a drink and drank herself. Her baby crept to her as fast as she could and held up her hands. Her mother took her up, walked away, and shook the child because she began to cry.

I asked if she didn't want a drink. "Oh, no," the mother said, "she seldom drinks water." But to satisfy me she offered some to the child, who drank as if her little throat was parched. Milk cannot take the place of a cool drink of water.

Mrs. G. A. King, Hutchinson, Kan.

The Things That Kill Roses

Many lovers of roses have seen their dearest hopes blasted by a tiny bug. This bug is known to scientists as the rose aphid; and according to the United States Department of Agriculture those who suffer from its depredations have only themselves to blame. The aphid by means of its slender beak sucks out the juices of the plant, on whose buds and unfolding petals it feeds. These, prevented from attaining their perfect form, become curled and distorted, and the beauty of the flowers is gone. A tobacco and soap infusion well applied to the aphid will kill them. The poisonous principle in the tobacco is nicotine; and if a nicotine solution can be bought at the seed store it will be best to use it. Take a teaspoonful of 40-per cent nicotine solution to 2 gallons of water and 1/2 ounce of whaleoil soap. The soap should be shaved fine and dissolved in hot water. If the nicotine cannot be bought make a tea from tobacco and use instead. The mixture should be put on in the form of a spray, if possible. If this is impossible dip the infested twigs in a pail of the solution. Those who wish to know all about the rose aphid and the treatment for it should write to the United States Department of Agriculture, Washington, D. C., for Bulletin 90, which has just been issued.

How to Get a Good Complexion.

Men do not like to see their women folks use paint on their faces—that is, if they know it. If a woman uses paint on her face and the men don't know it they usually admire it. Rouge, the beauty parlors call it, but it's all the same thing. Here is an ideal beauty hint, sent out by the Journal of the American Medical association: "For giving the face a good color, get one pot of rouge and one rabbit's foot. Bury them two miles from home, and walk out and back once a day to see that they are still there."

I have taken the Farmers Mail and Breeze for the last ten years, and don't see how I could get along without it. Goodrich, Kan. Samuel Wooten.



A SUMMER STORE FOR KANSAS PEOPLE

At no season of the year does this store's service stand out in greater relief than during the summer months. Everything that can contribute to your comfort in the way of summer apparel is here, the abundant stocks priced always in your favor.

Whether you purchase by mail or in person you have the advantage of the best selections and the best service. We refund railroad fare if you come here to shop, and pay parcel post on any mail order purchases.

THE MILLS DRY GOODS CO.
TOPEKA, KANSAS.



Cleans a building of Rats and Mice in short time. Keeps it clean, for it is always ready for use. Made of galvanized iron, can't get out of order, lasts for years. Large number can be caught daily. Go to Catcher mornings, remove device inside, which only takes few seconds, take out dead rats and mice, replace device, it is ready for another catch. Small piece cheese is used, doing away with poisons. Catcher is 18 inches high, 10 inches diameter. When rats pass device they die, no marks left on them. Catcher is always clean. One of these Catchers set in a livery stable in Scranton, Pa., caught over 100 rats in a month. One sent prepaid to any place in United States upon receipt of \$3. Catcher, 8 in. high, for mice only, prepaid, \$1. On account of shipping charges being prepaid, remittance is requested with order. H. D. SWARTS, Inventor and Manufacturer, Scranton, Pa.

35 BUSHELS PER ACRE was the yield of WHEAT

160 ACRES FARM IN WESTERN CANADA FREE on many farms in Western Canada in 1913, some yields being reported as high as 50 bushels per acre. As high as 100 bushels were recorded in some districts for oats, 50 bushels for barley and from 10 to 30 bushels for flax. J. Keys arrived in the country 5 years ago from Denmark, with very little means. He homesteaded, worked hard, and now the owner of 330 acres of land. In 1913 had a crop of 200 acres which will realize him about \$4,000. His wheat weighed 68 lbs. to the bushel and averaged over 35 bushels to the acre. Thousands of similar instances might be related of the homesteaders in Manitoba, Saskatchewan and Alberta. The crop of 1913 was an abundant one everywhere in Western Canada. Ask for descriptive literature and reduced railway rates. Apply to Superintendent of Immigration, Ottawa, Canada, or Canadian Government Agent. Geo. A. Cook, 125 W. 9th St., Kansas City, Mo.

Saved by buying a \$50 Bovee Economy Furnace \$50

At Manufacturer's Prices Has a large combustion chamber. Saves one third of the fuel. Has perfect Ventilating System. The Most Perfect Hot Air Plant Sold. Send pencil sketch of floor plan for our manufacturer's price and illustrated catalog. Bovee Furnace Works 188 8th St., Waterloo, Iowa

DAISY FLY KILLER

placed anywhere, attracts and kills all flies. Nest, clean, ornamental, convenient, cheap. Lasts all season. Made of metal, can't spill or tip over; will not soil or injure anything. Guaranteed effective. Sold by dealers, or six sent prepaid, for \$1.00.

HAROLD SOMERS, 150 DeKalb Ave., Brooklyn, N. Y.

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Set with four Sapphires surrounded with six bright sparkling imitation Diamonds. This is one of the most beautiful rings ever given. We will send one of these handsome rings as a free premium to all who send just 25c to pay for a year's subscription to our big home and story magazine and include 5c for mailing—only 30c in all. Be sure to state size of ring wanted. HOUSEHOLD, Dept. 58208, TOPEKA, KANSAS.

Where Harvest Help Is Needed

PLENTY OF JOBS IN SIGHT.

There has been no let-up in the demand for harvest hands during the week, although wheat cutting has already begun in the southern part of the state.

- Barber, 800—Klowa; Sharon Springs; Medicine Lodge; Hazelton. Barton, 4,000—Great Bend; Holsington; Claffin; Pawnee Rock; Ellinwood; Olmitz; Helzer, Albert. Clark, 1,500—Ashland; Minneola; Sitka; Englewood. Clay, 250—Wakefield; Morganville. Cloud, 400—Concordia; Glasco; Clyde. Comanche, 2,500—Coldwater, Holmes-Ferlin Co. Cowley, 100—Winfield; Arkansas City. Cheyenne, 100—Bird City. Decatur, 800—Oberlin; Jennings; Norcat. Dickinson, 200—Abilene; Chapman; Solomon. Edwards, 1,200—Kinsley; Belpre; Lewis; Oterle. Ellis, 1,800—Ellis; Hays. Ellsworth, 400—Ellsworth. Ford, 4,000—Dodge City; Spearville; Bucklin; Ford; Ensign. Graham, 600—Hill City; Bogue; Moreland; Penokee. Gray, 1,200—Cimarron. Harper, 3,075—Anthony; Harper; Bluff City; Freeport; Danville; Attica; Corwin; Crystal; Crissfield. Harvey, 600—Newton; Halstead; Sedgwick; Burrton; Walton. Hodgeman, 700—Jetmore; Houston. Kingman, 2,500—Kingsman; Zenda; Norwich; Callista; Cunningham; Spivey; Nashville; Waterloo; Cleveland. Kiowa, 2,500—Greensburg; Haviland; Wellford; Mullinville. Lane, 500—Dighton; Healey; Shields. Lincoln, 1,000—Lincoln; Beverly; Barnard; Vesper; Sylvan Grove. McPherson, 1,000—McPherson; Lindsborg; Moundridge; Windom; Canton; Galva. Meade, 1,000—Meade; West Plains; Fowler. Mitchell, 800—Beloit; Glen Elder; Cawker City; Simpson. Ness, 1,000—Ness City; Utica; Ransom; Brownell. Norton, 800—Norton; Clayton; Almena. Osborne, 1,500—Osborne; Downs; Portis; Natoma. Ottawa, 125—Minneapolis; Delphos; Ada; Bennington; Culver; Tescott. Pawnee, 4,000—Larned; Garfield; Rozel; Burdett; Sanford; Ray. Phillips, 500—Phillipsburg; Kirwin; Agra; Logan; Prairieview. Pratt, 2,750—Pratt; Sawyer; Iuka; Coats; Preston; Cullison. Rawlins, 2,200—Atwood; Ludell; McDonald; Beardley; Tully. Reno, 2,500—Hutchinson; Plevna; Arlington; Turon; Partridge; Langdon. Rice, 3,000—Lyons; Sterling; Alden; Chase; Bushton; Frederick; Geneseo; Little River. Rooks, 1,500—Stockton; Plainville; Woodston; Palco; Codell; Webster. Rush, 4,000—LaCrosse; McCracken; Bison; Otis; Nekoma; Rush Center. Russell, 800—Russell; Lucas; Bunker Hill; Gorham; Waldo; Dorrance; Paradise. Sene, 500—Salina; Gypsum City; Assaria; Brookville; New Cambria. Sedgwick, 100—Viola. Seward, 500—Liberal; Kismet; Plains. Sheridan, 300—Hoxie. Smith, 500—Smith Center; Cedar; Kensington; Gaylord. Stafford, 3,000—St. John; Stafford; Macksville; Hudson; Seward; Radium. Sumner, 700—Wellington; Caldwell; Conway Springs; South Haven; Milan; Argonia. Thomas, 200—Colby. Trego, 500—Wakeeney; Collyer.

Commencement at Manhattan

The 51st annual commencement exercises of the Kansas Agricultural college will take place at Manhattan next week. About 400 students will be graduated.

Army Worms Cause Damage

H. L. Popenoe, the Lyon county farm agent who has just finished a trip over north Lyon county, says that the army worms are in the wheat, alfalfa, corn and grass fields, and as soon as they strip one field they move on to the next.

pounds of bran and 1 pound of Paris green, mixed dry; 2 quarts of sirup and 3 lemons in 3 1/2 gallons of water; moisten the bran with this mixture and sow it broadcast. The poison should be spread at evening, and care should be taken not to put it out too near houses, where chickens or other domestic animals can get it.

P. H. Ross, the Leavenworth county farm agent, is busy responding to the calls of the farmers whose fields are infested with army worms. Leavenworth county farmers are worried because of the vast armies of this worm which now appear to be at work in wheat and corn fields.

"The dust furrow method is, in my opinion, best for handling the army worm," said Mr. Ross. "There should

be post holes in the furrows every fifteen feet. The worms will have considerable difficulty getting across the furrow, and if they do probably will fall into the post holes, where they can be exterminated by a kerosene spray."

School Management Too Loose

We are spending a great many "In-efficient" dollars for the support of our rural schools because we provide no supervision to organize, harmonize and systematize their work. Some counties in Tennessee have, in addition to a superintendent, four county supervisors, and they find that no money spent for their schools pays greater returns than that spent for supervision. One county in Colorado has 260 teachers employed

in rural schools. If the term in the rural schools of that county were shortened five days enough money could be saved to employ three county supervisors for full time. Would it pay to do this? It would pay to shorten the term one month, and if the money thus saved were wisely spent for supervision the schools would be more efficient than they are now with the longer term.

C. G. Sargent. Colorado Station, Fort Collins, Colo.

Engineers Need No License

Is there a state law in Kansas requiring an engineer to have a license before he can run a threshing engine?—T. D., Centralia, Kan.

Kansas, as yet, has no law requiring engineers of any kind to be licensed before being allowed to operate an engine.

The Use Of Hercules Dynamite On Farm, Orchard and Ranch

How much do you personally know about the use of dynamite? Have you ever used it to the fullest advantage? Have you made it do all the work of which it is capable?

With Hercules Dynamite you can plant trees, drain land, dig ditches, remove rocks, sub-soil land, excavate cellars, cisterns, etc., and do many other things that space does not allow us to list. In the great majority of cases you can do all of these things more quickly, more thoroughly, and with less expense by the proper use of dynamite than by any other method.

The place that dynamite is taking on the farm is growing bigger and more important every day. The man who is engaged in agricultural work and who has not thoroughly familiarized himself with this comparatively new factor in such work is not doing himself justice.

For your own benefit write for a book we have just published, called "Progressive Cultivation." It gives much information that many men now have at their finger tips and find almost invaluable in their daily work. Use the coupon below.



HERCULES POWDER CO. ST. LOUIS, MO. JOPLIN, MO.

Please send me a free copy of your book, "Progressive Cultivation." I am interested in Dynamite for



Better Crops

The results that may be obtained by improving soil by the use of dynamite are sometimes almost unbelievable.

The illustration shown above is an accurate copy of a photograph. Half of the field in question was sub-soiled with dynamite. The other half was not. Corn was then planted. On the sub-soiled portion it came up vigorous, strong, growing higher than a man's head. On the other half of the field—the picture tells the story.

This is not an insolated or even unusual case. The same thing has occurred thousands of times in different parts of the country and with crops of various kinds. Has it happened on your farm? "Progressive Cultivation" tells how these results have been obtained. It tells how you may obtain them. Read it.



Time and Labor Saved

Have you ever dug a ditch across overgrown or swampy land, through ground full of rocks, roots, and stumps? If you have you know what it costs in labor and time—when you dig.

When Hercules Dynamite is used there is a different story to tell. Instead of removing every pound of dirt by hand, struggling through underbrush, tugging at roots and stones; a few charges are planted, connections made, the charges fired—and there's your ditch. Finished in minutes instead

of hours, or hours instead of days. Furthermore, it is a better ditch than could ever be dug by hand.

The illustration shows a ditch blasted through land that was heavily overgrown with brush and badly obstructed by stones and roots. Hercules Dynamite simply lifted everything at once. The ditch was finished.

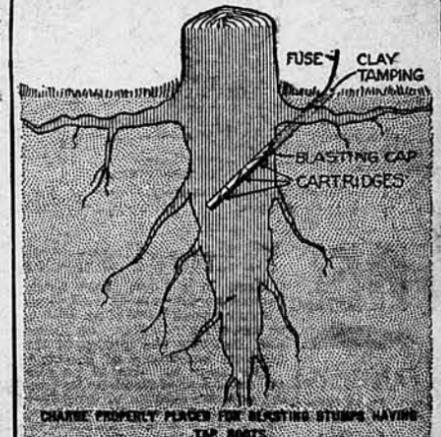
Clearing Land

Hercules Dynamite may be used in several ways to facilitate the clearing of land. It gives invaluable aid in the removal of rocks, stumps, and standing trees. Work that ordinarily would take a gang of men and several horses many days to accomplish can be finished in half the time when dynamite is used.

To accomplish this saving in time and effort, the main requirement is that the man in charge know how to use his dynamite to the best advantage.

Land clearing usually calls for the use of several different methods, each one of them simple in application, valuable only because each serves a particular purpose.

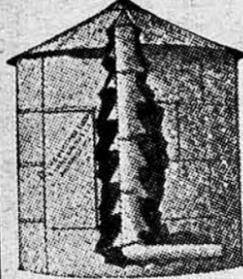
A rock may be removed by use of mud cap, snake hole, or block hole, depending on size and location. Some stumps and trees have tangled spreading roots, others heavy tap roots. The manner in which the charge of dynamite is set and the amount used depends upon the kind of stump or tree to be blasted.



In "Progressive Cultivation" these various methods are fully and accurately described. Every man who takes a real interest in his property should have this book. If you have no copy write for one.

SAVE YOUR GRAIN

Use Equity Metal Grain Bins.



Guaranteed never to burst open. Strongest built and most-easily-set-up bin on the market. Both walls and roof reinforced with angle irons. Perfectly water-tight bottom. Equipped with U. S. patented Equity Drying and Ventilating

System, Will Dry Your Damp Grain. Kansas Metal Granary Co. 434 No. Wichita, WICHITA, KANSAS

Original Eureka Hog Oiler

The only Rubbing Post that a hog can lay down against and not open the valves and waste the oil. \$1 a year pays for the machine, and rids your swine of the hog louse, mange and skin diseases. Can you afford it? 30 days' trial. Results guaranteed. We have the goods and you cannot afford to be without them. Will save enough oil to more than pay for machine. Write for big free circular and strong guarantee. Agents wanted in every locality. Address EUREKA MFG. COMPANY, Dept. 125, COUNCIL BLUFFS, IOWA.

RAISE PIGEONS

They Pay Dollars while Chickens pay cents

The young, 20 to 25 days old, sell for 40 to 60 cents each (according to the season). The city markets are always clamoring for them. EACH PAIR OF PIGEONS WILL RAISE 18 TO 22 YOUNG A YEAR.

They will clear you, above all expenses \$5.00 a year per pair. They breed the entire year. Twenty minutes daily will care for 100 pairs. ALWAYS PENNED UP OUT OF THE WAY VERY SMALL SPACE REQUIRED

All this is fully explained in this month's issue of our Journal; send for it; price 10 cents.

RELIABLE SQUAB JOURNAL, Versailles, Mo.

SELLING EGGS BY CO-OPERATION



Eggs from select purebred stock: B. Rocks; W. Rocks; B. Orpingtons; W. Orpingtons; S. C. W. Leghorns; S. C. Brown Leghorns; W. Wyandottes; L. Wyandottes; Light Brahmans; and R. C. R. I. Reds; Black Langshans. Eggs fresh, fertile from farms where only one breed is kept. Sent prepaid by parcel post to any address in U. S. 15 eggs for \$1. or 100 for \$6. Your check with exchange accepted. NORFOLK BREEDERS' COOPERATIVE ASSN., NORFOLK, NEBRASKA.

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Why sell your surplus cockerels for 50c or 75c when they will bring \$2.00 to \$2.50 as capons? Illustrated instructions in our book make caponizing so easy that a 10-year-old child can successfully perform it. Tells where to secure reliable instruments, when and how to operate, how to feed, care for and fatten, when and where to market to get highest prices, etc. Price only 50c. Money back if you want it. Capon time is here. Send today.

American School of Poultry Husbandry, Box 102, Mountain Grove, Missouri.

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Rearing a Purebred Flock

They Come High and Should Be Cared For Accordingly

BY MRS. H. F. TRACY, Conway Springs, Kan.

THERE are several good reasons, as I have found out, why it pays to raise only purebred poultry. Better quality and better profits are the main reasons. And it costs no more to raise a purebred flock than a mixture of birds.



Barred Rocks on the Tracy Farm.

To show that much greater profits are possible from purebreds, I will give you a record of the business we did last year. We kept 100 purebred hens and had no others on the place. During the hatching season we sold eggs to the amount of \$117.85. Besides, we used the hens for hatching and hatched 300 chicks from our eggs for our own raising. We also made use of large numbers of eggs for the table. Our eggs were sold at the rate of \$1 for 15, \$3 for 50, and \$5 for 100. During the same time eggs sold on the market here for from 10 to 15 cents a dozen. Compare that with a dollar for 15 eggs and you will see why the profits favor the purebreds.

Our hens have a range of about 7 acres. They receive grain twice a day, all the table scraps, and milk in considerable quantities. Two or three times a week they have a mash of bran, corn chop and beef scraps, seasoned with a little cayenne pepper mixed in milk. We use hens only for hatching. When I find the eggs beginning to pip I watch closely and remove the shells several times a day. I do this because we have lost several chicks in the past by half shells getting over a piped egg and smothering the chick. I don't take the hatch off the nest until the chicks

are 24 hours old. But I do take the hen off and feed and water her. I remove her to a place where she cannot hear her chicks, meanwhile covering the brood with a warm cloth so will dry well without danger of chilling.

I begin feeding when the chicks are 36 hours old. Their first feed is prepared chick food mixed with hard-boiled egg. I give them two or three feeds of this and by that time they will be picking up the chick feed. Strange as it may seem to many of you, I give the chicks tea to drink—just as we prepare it for the table. I seldom give them anything else to drink until they are 3 weeks old. The tea seems to act as a kind of astringent and a case of bowel trouble is a very rare occurrence in our broods.

The chicks always have their feed dry. The chick feed is given in shallow boxes where the old hen cannot get it. She has her own grain feed in the coop. At the age of 2 weeks the chicks are on a grain diet. At frequent intervals we shake a little black pepper into the feed for the chicks' benefit.

The hens are kept in coops all the while, but the chicks are allowed to run out as they please. This gives the chicks a better opportunity to be hovered when necessary, on cool, wet days. Otherwise, the hen would drag them about, not only losing them but chilling and weakening them. It pays to take good care of any kind of stock but especially with purebred birds, for you can ill afford to lose them after all the hard work required in breeding them up to a high standard.

A New World's Laying Record

The Indian Runner cranks have long been declaring that their breed of ducks could outlay the hens or any other class of poultry. But these claims were never conclusively proved until a Runner duck back in Pennsylvania actually accomplished the feat.



"Dearie."

In 365 successive days she has laid 329 eggs as given out by the certified record of L. L. James, manager of the Columbia duck farm at Bloomsburg, Pa., where this duck is kept. This performance takes the laurels from the Oregon hen said to have laid 302 eggs in one year and declared to be the world's best layer. This remarkable duck bears the very expressive name of "Dearie."

Watch For the First Crows

Mark the cockerel that crows first this spring. He will be early maturing and will likely be the strongest breeder you'll get. In Belgium they even go so far as to hold cock-crowing contests. The bird that crows oftenest in a given length of time is awarded a prize. W. A. Lippincott.

Found at Last

Dear Sir: Knowing that bowel trouble in little chicks is the worst disease we have to contend with, you may print the following if it will benefit others: "I have been in the poultry business for fifteen years and have lost thousands of the little downy fellows with this most awful disease. A lady recommended Walker's Walko Remedy, so I sent 50 cents (M. O.) for a box, to the Walker Remedy Co., L. 6, Lamoni, Iowa, and am thankful to have at last found a preventive. It is the first medicine I have found that would prevent, also stop bowel trouble or white diarrhea among little chicks." Miss A. Sargent, Sarcoxie, Mo.—Advertisement.

Why Chicks Die In the Shell

Will you please tell me why chicks die in the shell after they are ready to pip the eggs? Is it caused by hard egg shells or by too much heat in the incubator? I had a hard time keeping the heat down the last week of my hatch.—Mrs. O. J. D.

Too much heat in the incubator as well as hard shells, are causes of dead chicks in the shell. You do not state how high you let the heat go so it is difficult to say whether this was responsible or not. There are several other conditions that may cause this trouble. Among them are lack of moisture, or too much moisture, lack of ventilation or too much ventilation, insufficient turning of the eggs, the use of eggs that have been kept too long, or the setting of eggs from pullets that are too young or from hens that are low in vitality or out of condition. The use of weak, run-down breeding stock is a very common cause.

Egg Shipments From China

BY C. E. GAUSS, United States Consul at Shanghai, China.

More than 62,000 cases of eggs, of 30 dozen to the case, were shipped to the United States from Shanghai from January 1 to March 25. The value of these shipments was \$287,000. The freight rate is \$8 a ton, with 17 cases to the ton. Refrigerator space costs \$16 a ton, but when the eggs are sent on ships that go by the northern route refrigerator space is not needed. Shipments are mostly made on these northern routes.

For Vermin and Disease

I dust my sitting hens two or three times with sulphur to keep them from having lice. Dust the hen the last time three days before you expect the chicks so the sulphur will not get into the chicks' eyes. If the lice are kept away from the hen the chicks will not be bothered with them. I also put a little carbolic acid in the drinking water and wash and clean the drinking pans twice or three times a day. Mrs. J. N. Portis, Kan.

I consider the Farmers Mail and Breeze one of the best farm papers published. C. E. Hudson. R. 5, Garnett, Kan.



Farmer Onswon Talks on BEATRICE Cream Separators

The man who buys the Beatrice Cream Separator need never buy another separator.

It has but few parts that can ever wear out. And there's not a single part that can ever wear out or rust out that is not replaceable.

When the bowl or other part does finally wear out, you don't have to junk your machine and buy a new one. You simply buy a new part.

If you should replace every single part that could wear out on your Beatrice, the cost would be less than \$35.

Isn't that better than paying \$110 and over for a new machine, which is necessary with some separators?

That is just one of the great Beatrice points. The Beatrice is the high-grade, fair-priced separator that you can clean in two minutes and that gets all the cream whether the milk is hot or cold.

Know all about the Beatrice before buying a cream separator. Be sure to write the nearest office for free catalogues and name of dealer near you.

BEATRICE CREAMERY CO., Chicago Des Moines, Ia., Dubuque, Ia., Lincoln, Neb., Topeka, Kan., Denver, Col., Oklahoma City, Okla., St. Louis, Mo.

15⁹⁵ AND UPWARD ON TRIAL

AMERICAN CREAM SEPARATOR

A SOLID PROPOSITION to send fully guaranteed, a new, well made, easy running, perfect skimming separator for \$15.95. Skims warm or cold milk; making heavy or light cream. The bowl is a sanitary marvel, easily cleaned.

Absolutely on Approval. Gears thoroughly protected. Different from this picture, which illustrates our large capacity machines. Western orders filled from Western points. Whether your dairy is large or small write for our handsome \$200 catalog. Address: AMERICAN SEPARATOR CO. BAINBRIDGE, N. Y.



Make \$10 a Day

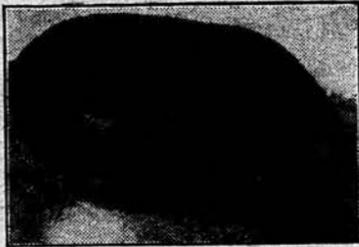
Taking orders for King Separator & Assator. Every cow owner wants one. Makes more and better butter, quicker, from sweet or sour cream or milk. Sells so fast, inexperienced agents make more than ever dreamed of making. "Sell faster than I can get them," says A. S. Kline, Lone Dell, Mo. "A. Stewart, Alexander City, Ala., found it easy to make \$75 to \$150 a week." "Everybody wants one; ship 10 more; this order made in 1 day," writes Bob Parsons, Collins, Tenn. "Think will sell carload," says M. L. Hollocher, Highland Springs, Cal. Write for FREE sample, salary and commission proposition (for all or part of your time). DE KING MFG. COMPANY, Dept. C, CHICAGO, ILL.

Farming an "Eighty" For Hogs

No Better-Paying Stock For a Small Place, Says E. N. Farnham

BY A. G. KITTELL
Associate Editor

IF YOUR 80-acre farm isn't bringing in the returns you believe it should, try hogs. Not merely one or two brood sows, but a good, big herd to make it worth while. Make hogs the main crop rather than a side line and grow only such grain and forage as will supply feed for the herd. In other words, sell your crops to the hogs instead of the elevator or commission men. Thus keeping the big end of your profits, as well as the fertility of your soil at home, where both belong.



One of the Farnham Brood Sows.

These are some recommendations of E. N. Farnham, who is actually doing the thing he preaches, on his 80 acres near Hope, Kan. Mr. Farnham is specializing in purebred Duroc breeding stock, but also fattens hogs for market. He has been raising about 150 hogs a year. Next year he will have his place arranged for more extensive operations, when he intends to keep double the number of hogs he has at present.

"In farming an 'eighty' I made up my mind that the best way to make it pay was through some form of livestock," said Mr. Farnham in telling of the results he had obtained. "I selected hogs on account of their naturally rapid increase, also for the reason that they can be turned into cash quickly, and the cheap pound production they will make on such forage crops as alfalfa, rape and rye. I chose the Durocs on account of their prolificacy, hardiness and good rustling qualities. My plan of farming is to grow nothing but what can be fed to hogs. The crops I depend on are those that are reasonably certain here—alfalfa, rape and rye for pasture, and a few acres of wheat, rye and kafir for grain."

Mr. Farnham raises nothing but purebred Durocs, but he also buys up a bunch of common, farm hogs every year to put on pasture and feed out in the fall with the culls from his breeding pens. He finds that his breeding culls do better in the fattening lot than the run of mixed animals which he picks up from the farms in the neighborhood.

The Farnham place is well arranged for hog raising and further improvements are being added at present. The hog house is 12 by 50 feet in dimensions, and is divided into 10 farrowing pens, each 5 by 8 feet in size. A 4-foot alley runs the length of the house and in this alley the cement dipping tank, 12 feet long and 4 feet deep, is located. Creosote dip and crude oil are used for dipping and all hogs, little and big, are dipped at regular intervals through the summer—about once in six weeks.

At the present time Mr. Farnham has 10 acres of alfalfa and a field of rape, for pasture. This fall he will add 30 acres of alfalfa to his present acreage. He prefers fall seeding in his section of the state. Every fall he puts in a patch of about 5 acres of rye for fall, winter and spring grazing. This summer he expects to try a 3-acre patch of soybeans for hog feed. The rest of the farm is planted to kafir, wheat and rye to be matured and ground up for feed to be given in slop. What corn will be needed for feed will be bought this year, as none is to be grown on the farm. Tankage and oilmeal are used in connection with the foregoing feeds to balance the ration as nearly as possible under the circumstances.

All hogs on the Farnham place, including those bought up for fattening, are vaccinated against cholera. "I am a firm believer in vaccination as a prevention against cholera," says Mr. Farn-

ham. I believe every man buying breeding stock should insist on getting immune animals. Of course, the breeder must take the risk in vaccinating them, but the buyer gets the benefits. I use the simultaneous method, but believe, from experience, that the double or combination method is best for mature breeding animals. There is not so much danger of loss with this method."

Mr. Farnham's herd has in it the blood of some of the foremost, "blue-blooded" Durocs of recent years. His boars in use are "Taylor's Model Chief," second prize pig under six months at the American Royal in 1912; "Crimson Wonder's Equality," by "Crimson Wonder Again;" "Hillcrest Col.," by "King the Col.;" "Hillcrest Wonder," by "I Am a Perfection Wonder" and "Hillcrest Model Chief," by "Taylor's Model Chief;" out of "Miss Crimson Wonder," a litter mate to "Col. Wonder," the grand champion at the 1913 Missouri State fair.

The Farnham brood sows are by such sires as "Col. Prim," "Col. Wonder," "Tatarrax" and "Missouri Climax." One of his best sows is shown in the picture at the top of this page. She was farrowed in September, 1912, and weighs nearly 500 pounds. Her sire was "Tatarrax," the son of the famous old "Ohio Chief," and "Kansas Queen," himself a champion of Kansas and Oklahoma. Her dam was "Miss Model Col.," daughter of "King of Col. II," and "Model Chiefess."

Mr. Farnham holds a hog sale every February and early next October he expects to hold a fall sale of boars and gilts. The animals offered in his sale last February averaged \$42.48 a head.

"I cannot see why my plan would not make a good investment on the capital required, for any 80-acre farmer," said Mr. Farnham, "even if but 50 per cent of the purebreds are sold for breeding purposes, although I sell a larger per cent than this. I believe it pays to raise purebred stuff to put in the fattening pen and that farmers should take one breed and keep it pure rather than to experiment with cross-breeding in the hope of getting a better fattening animal. I believe in breeding to a type and that type is the hog of good size and quality, rather than the extreme size and coarse, slow-maturing animal."

Under Sized Pigs

I have had some experience with brood sows that puzzles me. Half the pigs in one litter were not more than one-fourth natural size and in another litter about half of them were about the size of a rat that is one-third grown. Can you tell me what was the cause of this? C. T. P.

Small, weak pigs usually are due to poor feed or lack of nutrition. Our correspondent does not tell how he fed and handled these sows before the pigs were born but it is likely that giving the sows plenty of exercise and feeding them a ration containing plenty of lime and protein, growth producing materials, will prevent a repetition of the trouble. A mixture of corn 50 per cent, shorts 25 per cent, bran 18 per cent, tankage 3 per cent, and linseed meal 4 per cent by weight, fed with alfalfa hay or alfalfa pasture should give good results. The sows should be handled so they will get plenty of exercise at all times. This will add to the thrift and vigor of the litter.—T. W.

Over-irrigation of squash produces a rank growth but little fruit.



Mr. Farnham believes in having his Durocs tame and therefore easy to handle.

DE LAVAL CREAM SEPARATORS used exclusively by 98% OF THE WORLD'S CREAMERIES

TEN YEARS AGO THERE WERE A DOZEN DIFFERENT makes of creamery or factory separators in use. Today over 98 per cent of the world's creameries use De Laval Separators exclusively.

IT MEANS A DIFFERENCE OF SEVERAL THOUSAND dollars a year whether a De Laval or some other make of separator is used in a creamery.



EXACTLY THE SAME DIFFERENCES exist, on a smaller scale, in the use of farm separators. Owing to the fact, however, that most farm users do not keep as accurate

records as the creameryman, or test their skim-milk with the Babcock tester, they do not appreciate just what the difference between a good and a poor separator means to them in dollars and cents.

NOW, IF YOU were in need of legal advice, you would go to a lawyer.

If you were sick you would consult a doctor. If you had the toothache you would call on a dentist. Why? Because these men are all specialists in their line, and you rely upon their judgment and skill.

WHEN IT COMES TO BUYING A SEPARATOR WHY not profit by the experience of the creameryman which qualifies him to advise you correctly? He knows which separator will give you the best service and be the most economical for you to buy. That's why 98 per cent of the world's creameries and milk dealers use the De Laval exclusively.

THERE CAN BE NO BETTER RECOMMENDATION for the De Laval than the fact that the men who make the separation of milk a business use the De Laval to the practical exclusion of all other makes of cream separators.

Your local De Laval agent will be glad to let you try a De Laval for yourself on your own place. If you don't know the nearest De Laval agent simply write the nearest main office, as below.

The De Laval Separator Co.

165 BROADWAY, NEW YORK 29 E. MADISON ST., CHICAGO

50,000 Branches and Local Agencies the World Over

Stannard's Processed Crude Oil Kills Lice and Cures Mange.

One application of my Processed Crude Oil will do more to rid your stock of lice and cure them of mange than three applications of any other preparation on the market, for the reason that it kills the nits as well as the lice, and remains on your stock for so long that it thoroughly cures them of mange. Put up only in 52 gallon barrels, and sold for \$5.00 per barrel. Why pay \$1.00 per gallon for a dip when you can get the best for less than \$5.00 per barrel? My PURE CRUDE OIL is an excellent lubricant for all kinds of farm machinery and for painting farm tools to keep rust off. \$4.00 per barrel of fifty-two gallons. See my advertisement of refined oils at wholesale prices in next week's issue. Send cash with order. Address C. A. Stannard, Box M, Emporia, Kan

Binder Engines Help Horses

Power Machines Can Be Kept Running on Soft Ground

BY J. R. LEWIS.

HARVESTING can be continued on soft ground if the binder is equipped with an engine, and because of this fact it frequently is possible to save more than the cost of the engine in one season. The engine that usually is used weighs about 200 pounds, of the ordinary 4-cycle water cooled construction. The horses that would be required if this engine were not available can be used for other work; and there generally is plenty of employment for all the horses one has on a farm at harvest time.

Two teams usually are used on a binder, especially since the 8-foot cut became so popular. An efficient light weight engine of proper design can be attached by special, simple brackets on the rear of any binder, to operate the entire mechanism, independent of the bull wheel. Two horses merely pull the machine—leaving the other extra team available for other work. The binder engine operates all the complicated machinery by a chain drive to a double sprocket put on the pitman shaft; thus it runs the sickle, reel, elevator and binding attachment.

This independent power not only relieves horses, but it gives a steady speed to the binder. There are no jerks, for the engine is governed to run at the same speed, whether the horses go fast or slow, and in light or heavy grain. The horses may stop, but the cutting and binding machinery does not stop. When the binder passes over a ditch or rough place, its machinery continues in operation. Smooth, evenly sustained power means good binder work. Therein lies, perhaps, the greatest value of the gasoline engine. There are fewer failures to bind, less trouble with the knotters, less grain dragged down, or left uncut and wasted, less strain on the machinery, less breakage, fewer repairs, and fewer costly delays when the harvesting should go right along.

It needs only mention of the fact that all the machinery can be kept in full operation in turning, or when the bull wheel skids in wet places and soft ground, for the experienced farmer to see other excellent reasons for putting the gasoline engine on his binder. The

without a bit of trouble. We have never lacked for power with this outfit, and we have cut through weeds half as high as a horse's back."

Otto Ganz of Chapman, Kan., also is well pleased with the results he has obtained. He says: "We have used our binder engine for cutting more than 1,000 acres of grain, and it worked fine. We pulled through mud in cutting grain when our neighbors could not get in the field. We used about 15 gallons of gasoline for cutting 100 acres."

Coburn and the Crops

Mention a crop estimate, anywhere, and the name of Coburn bobs up. It doesn't matter how an article is written; names may be omitted; it may be a good crop or a bad one—Coburn must father the figures. More crazy estimates of crops have been made by overzealous newspaper reporters and charged

to Coburn than he, the said Coburn, will be able to explain to even the most lenient judge in the days of kingdom come.

Mr. Coburn bears to crop estimates the relation borne to unowned bits of logic, philosophy or literary scraps by Shakespeare, Emerson and Elbert Hubbard. If you don't know who said it

The day is rapidly passing when officials in our national, state or city government will be selected for any other reason than their ability to discharge with skill, industry and fidelity the duties of the offices to which they are chosen. The vicious and costly spoils system is doomed.

or wrote it charge it to one of the three. Hubbard will never disown it, anyway.

But crop estimates, Mr. Coburn insists—and he insists with all the emphasis permitted in polite company—have

never been his specialty. He has told the eager world what the crop correspondents have said; and if these correspondents were, perchance, bankers or real estate men and naturally a bit optimistic, why, that wasn't Brother Coburn's fault, was it? Bankers, you see, take interest in everything.

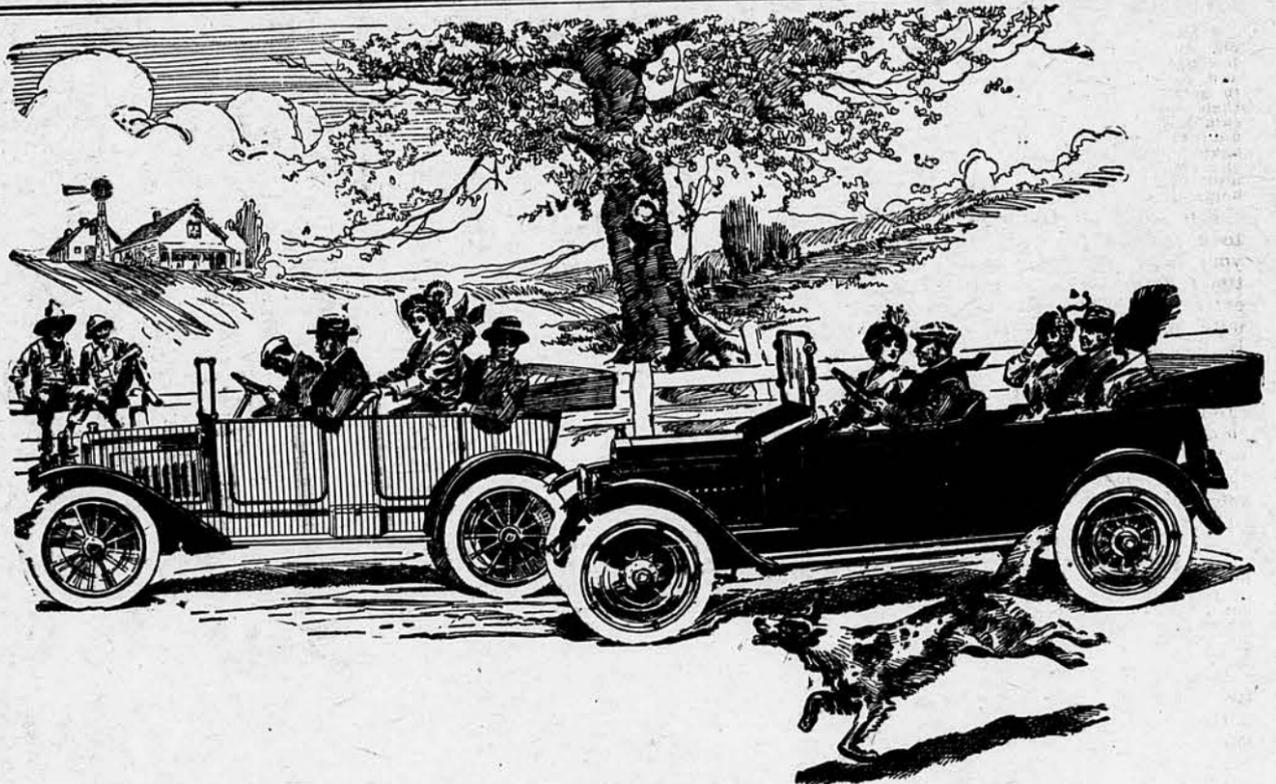
So now it's settled. Mr. Coburn hasn't made any of the wild throws recently recorded. Moreover he never has been in that business. He tells what others say but for himself he says nothing. Which explains why all this is printed.

To Manufacture Potato Products

A Topeka company, the Potato Products company, chartered June 4 with a capital stock of \$7,000, is going into the manufacture of potato sirups and other products of potatoes. This business has been extensively developed in Germany. L. L. Bailey is president and general manager of the new company.

Enclosed check for renewal to the Farmers Mail and Breeze. I could not think of doing without it. It is the best farm paper I know of.

Rose, Kan. M. Archibald.



Have a Better Car Than Your Neighbor

You owe it to yourself—to your good wife and the boy and girl to have a car in keeping with your standing in your community.

You need not buy an expensive car—if you do you will doubtless get a heavy car. That means big tire and oil bills, short mileage per gallon of gasoline.

You will, of course, demand comfort and style. You don't want your family crowded into a cheap looking car. You wouldn't drive them to town or to church in a pony cart.

Any well-to-do farm owner can buy an automobile. The progressive, up-to-date farm owner wants a good car for the same reason that he wants a good horse.

In the past you had to buy a Percheron when you really wanted a Hamiltonian in the motor market. You had to pay a big price to get comfort, style and quality.

Jeffery changed the motor car map and the farm owner was among the first to take advantage of the new opportunity. Jeffery saw that the cheap cars were not in keeping with the ideas of quality, style and comfort demanded by the hard-headed American citizen.

Yet Economy He Must Have

Jeffery saw that the big, bulky, heavy cars were too expensive to buy and too expensive to keep. They literally ate up gas, oil and tires. Jeffery sent his engineers to Europe where motor car styles come from and gasoline is high. He told them to find out how they had solved the problem over there. They did.



\$1550

Then last Fall Jeffery introduced into this country America's first high grade, light, economical car of quality, style and comfort at moderate price.

The best dealers in the country—the motor wise men of the trade ordered 7,000 cars by the time the Chicago Show was over. Why?

Because here was a car that was as economical as the cheap car. It was comfortable—carried five people without crowding. It had the style of the high priced cars. It had the quality of cars twice its price and, above all, it was priced within the reach of everybody—\$1550.

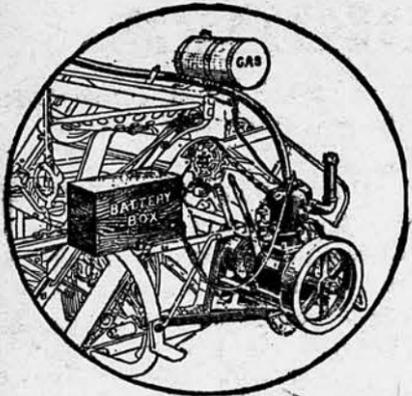
Never before had a car been sold at anything like \$1550 which contained Vanadium steel parts, imported annular ball bearings, four speed transmission, full floating rear axles, the most expensive starting and lighting system on the market, Bosch duplex ignition, Rayfield carburetor, Spicer universals, Daimler leather couplings, Warner speedometer and complete high grade equipment.

That's why the Jeffery car is the dominant car in the best agricultural districts today. The farm owner who wanted a better car than his neighbor, who would not crowd his family into an uncomfortable cheap car, who refused to be satisfied with anything but the highest grade quality and yet who demanded economy, bought a Jeffery.

The Jeffery dealer nearest you will show you what Jeffery spent a million for. You will quickly see why all the big manufacturers are announcing light fours now that Jeffery has shown the way. You will see why you will be right up to date next year if you get a Jeffery now. And your car will be better than your neighbor's.

It's Economy Year and Jeffery Made It So.

The Thomas B. Jeffery Company
Main Office and Works, Kenosha, Wisconsin



A binder with an engine attached.

question of added weight on the binder naturally comes to mind. It must be remembered that manufacturers are now making high power engines in exceedingly light weight. The effort has been to get motor car engine efficiency in light weight and little space.

Engines adapted to running binders now weigh less than 200 pounds. They use 4-cycle type engines that are also designed for general farm work. But little is added to the pull on the team. An engine water cooling tank is placed on the tongue to balance the weight of the engine on the rear.

The cost of operating is very low—60 cents pays for fuel and oil for a full day's binding. The use of an engine on the binder has passed the experimental stage. Five years ago thousands of acres of wheat were saved by binder engines, during a wet harvest. But wet or dry the binder engine is practicable and has come to stay.

J. L. Crisler, Perth, Kan., has had good results with his binder engine. In speaking of it recently he said: "I have used an engine on my 12-foot push binder with good results; I cut 325 acres in 1912 and about as much last year

When Horses Have Ring-Bone

Methods of Treatment—Other Veterinary Information

BY DR. R. R. DYKSTRA
Kansas Agricultural College

ONE of my colts became suddenly lame last year and was unable to put his foot on the ground," writes "C. W. H.", of Cambridge Neb. "He was better in a few weeks and by fall the lameness had disappeared entirely. He was not affected again until a few days ago when the lameness came back in one night. It is just above the hoof and the leg is swollen badly. The trouble isn't exactly like ringbone. He is now a little better."

I am rather inclined to believe that your colt is going to have a ringbone, though at the present time it is probably in the initial stage. The best treatment that I can suggest is that you use cooling applications on the affected part, either in the form of bandages soaked in cold water or else an application of antiphlogistine. You should let the colt have absolute rest while the lameness is severe.

Swine Parasites.

I have seven fine shotes about 5 months old that will weigh 65 or 75 pounds. A few days ago they had a spell of squealing, and rolling about. They seemed to want to scratch themselves. In a few minutes their skin became purple-spotted and their ears almost turned wrong side out. They did not seem very sick and are now well again. What caused this? I have had them on rape pasture and they also had butter-milk and shorts twice a day.—O. M., Oklahoma City, Okla.

I do not think the feed had anything to do with the symptoms shown by your hogs. We find that hogs sometimes act this way when bothered by external parasites such as the "mange mite" or other skin insects or frequently the larva of a fly in the ear will cause these symptoms. I would suggest that you examine the hogs very carefully next time they exhibit something of this nature to see if you can not detect something on the skin or in the ears that might possibly be the cause of the trouble.

Dislocated Stifle.

My colt, 4 weeks old, went lame in the left hind leg about ten days ago. When made to move it will carry its leg straight down but with its foot off the ground. It seems as if it is hipped. What is this trouble and is it curable?—W. M., Richland, Kan.

It is rather difficult to make a positive diagnosis from the symptoms submitted by you but it sounds very much as though your colt has dislocated its stifle. In order to replace the stifle it is necessary to draw the limb forward as far as possible and then by additional manipulations of the affected part, attempt to get a replacement. The application of a strong blister afterwards makes the limb sore so that the colt will keep it quiet and prevent a recurrence of the trouble.

Ailing Cow.

We have a cow that has been on pasture about a month, giving 4 gallons of milk a day. She has been in apparently good health except for a slight limp in one hind leg. About a week ago, she laid down one evening after milking and hasn't been able to get up since. She eats, drinks, and appears normal in every way except that she has no use of her limbs when she tries to rise. What can be done?—W. J. L., Havensville, Kan.

It is very difficult to state what the trouble is with your cow. The lameness may be due to some injury in the foot, and therefore you should examine the foot very carefully, or it may be that the leg is broken high up where it is difficult to detect. There are many conditions such as rheumatism, paralysis, inflamed joints, etc., that could produce the trouble affecting your animal. Not knowing the exact nature of the ailment I can prescribe no treatment, but would suggest that you have a competent, graduate veterinarian make an examination in order to determine the exact nature of the trouble.

Lump Jaw.

I have a purebred bull that has a lump the size of an egg under his jaw. He is 2 years old and the lump has been there for some time. Is there any danger in this and could the cows be infected?—H. L., McCune, Kan.

Lump jaw is caused by the ray fungus, which gains entrance to the tissues through decayed teeth or through small wounds and injuries. This fungus grows

on all fodder and grain. Sometimes the disease occurs in the udder; sometimes in the lungs, but most frequently in the regions of the head.

The treatment is as follows: If possible, the growth should be cut out completely. On the other hand, when the growth is soft, make an incision into it, permitting the pus to escape. Afterwards packing the cavity, for 24 hours, with a piece of gauze that has previously been saturated in tincture of iodine, is of value. Sometimes the growth is very hard, and then it becomes necessary to make an opening in it and insert in its center, a piece of trioxide of arsenic about the size of a bean. This will cause the growth to slough out in the course of two or three months.

Occasionally, such structures as the tongue are affected, or a very large area on the face may be involved so that surgical treatment is not advisable, and in these cases, the internal administration of 2 drams of iodide of potash, daily, for a period of six to eight weeks will produce a cure in about 75 per cent of all cases treated.

Navel Ill.

I am afraid one of my calves is affected with a navel ailment. As soon as the calf was free after birth it was rubbed dry and a disinfectant was applied to the navel. We did this early and often but did not tie up the cord. She healed up all right apparently but later I noticed a swelling about the size of a dollar. The calf is now 3 months old and appears well and hearty, but the navel is still sore and scabby. Would like to know what to do to prevent further trouble.—E. E. Burton, Blessing, Tex.

I do not believe that your calf will give you very much trouble if it has reached the age of 3 months. Navel ill is a very rare occurrence at this age. It is barely possible that there may be some pus in the navel string, but this would cause the latter to swell up very much. If that is the case, it should be opened and washed out daily with a 2 per cent solution of carbolic acid. If there is no pus or extensive swelling, I believe the best thing for you to do is to leave the condition strictly alone.

Foot Troubles.

(1.) I bought a mare three years ago that had a scar in the hoof of one fore foot but she was not lame. About three months ago she began getting lame and has been getting worse until now she does not use the foot at all; she simply drags it along on the toe. It is broken out at the top of the hoof and pus is coming from it. Have been poulticing it but it seems to do no good.

(2.) Another mare, 3 years old, kicked over the wire fence and cut through the hock joint letting the water out. This happened three months ago. There is now a large sore and a good deal of proud flesh. The joint is enlarged and breaks and runs at the back or side. She does not put much weight on this foot and when trotting does not use it at all. What is your advice?—W. W., Medford, Okla.

(1.) It will be necessary to make an opening at the bottom of the foot or at the place where the wall joins the sole of the foot. Such an opening should be made large so that all pus will drain out of it readily. You should wash out the wound daily with a 2 per cent solution of carbolic acid and keep the foot bandaged so that no dirt can gain entrance.

(2.) In regard to your 3-year-old mare the safest and most humane thing that you can do with her is to destroy her. The joint has undoubtedly been opened and a cure is practically impossible. The leg will gradually become larger, the animal will become weaker and death is the final outcome. If you wish to try treatment you might dust the wound every other day with powdered copper sulphate removing the firm scab which forms as the result of this application and then apply some more copper sulphate. The wound must be kept constantly bandaged with cotton and bandages. Antiseptic washing of the wound with some good antiseptic such as 2 per cent carbolic acid is good treatment.

The Agricultural Experiment station at Pullman, Washington, is establishing an arboretum in which it is proposed to grow a group of each of the important timber trees of the temperate zone.



**Where full-value
is demanded
for every
dollar spent**



THE modern farm—conducted in accordance with the best business methods—takes no risk when buying roofing. That is why so many of America's most up-to-date farms using "rubber" type roofings invariably select

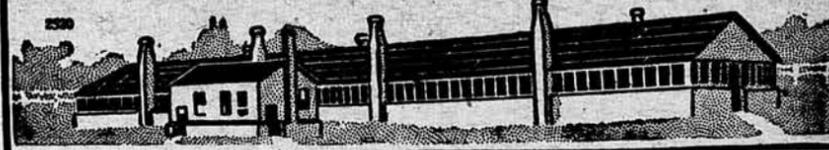
J-M REGAL ROOFING

Of Its Type The Best By Test

This roofing is made of imperishable Trinidad Lake Asphalt and the very best long fibre wool felt, all made in our own factories. J-M Regal Roofing is backed by an organization that has been built up to nation wide proportions by a policy that does not permit a single customer to be dissatisfied. We also manufacture J-M Asbestos Roofing—the roofing of highest possible quality; and J-M Transite Asbestos Shingles, fireproof and everlasting. Write nearest branch for full information and booklet No. 4076

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**Galvanized—Corrugated—Extra Quality Coating—
SAVE ALL THE HAY—PAY BIG PROFITS!**

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Stocks carried in Wichita, Kansas, Chicago, Illinois and Canton, Ohio. 10

WE ABSOLUTELY GUARANTEE

Sipe's Guaranteed Hog Conditioner

It is a positive destroyer of worms, a renovator and conditioner unequalled.

A Purely Medicinal Conditioner

contains sodium sulpho, carbolate, arecanut, bi-carbonate soda, quass, sodium sulphate, ginger, charcoal, licorice root, chloride sodium, anise seed, iron sulphate carefully and skillfully combined in proportions which have proven to be the most successful in the treatment of hog diseases



A Revelation even in epidemics.

For worms,
For scours,
For white scours, and sucking pigs,
For constipation,
For feverish hogs,
For thumps,
For coughing,
For pregnant sows,
As a general conditioner.

Find Out At Our Risk

Go to your dealer and get 30 days' supply of Sipe's Conditioner for your herd, or if he cannot supply you, send the coupon below to us, telling how many hogs you have, and we will ship you enough to last 30 days. Feed according to directions. Then if at the end of the 30 days you are satisfied and see that your hogs have been helped, pay at the regular price. If not, there is no charge. We positively guarantee Sipe's Conditioner to satisfy. You are the only judge. Don't be misled by claims of "just-as-goods." The better an article is the more it is limited. Sipe's Conditioner has conquered even the worst kind of epidemics. Mail the coupon for 30 days' free trial.

B. E. SIPE, Pres.
Sipe's Conditioner Mfg. Co.
Hiawatha, Kansas

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You may ship me enough Sipe's Conditioner to feed my hogs 30 days. I will pay freight, give it a fair trial, and if it does what you claim I will pay for it at the end of 30 days, at the regular price. If not you are to cancel the charge.

No. of old hogs shoats pigs

Name

Address

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BUFF ORPINGTONS. PRIZE WINNERS. Splendid layers. My catalogue now ready. I can please you. All charges paid on eggs. August Petersen, Churdan, Iowa, Box 33.

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INDIAN RUNNER DUCK EGGS AT HALF price. Mrs. Ethel Guber, Ottawa, Kan.

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BUTTERCUPS, BUFF AND WHITE ORP- ingtons. Stock for sale. Eggs half price. Box 311, Russell, Kan.

MISCELLANEOUS.

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FOR SALE—REGISTERED DUROC HOGS. T. W. Allison, Florence, Kan.

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FINE REGISTERED HAMPSHIRE PIGS priced to sell. B. F. Fleischer, Hoyt, Kan.

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EIGHT HIGH GRADE YOUNG GUERNSEY cows—five fresh, calves at side. Will sell cheap. Jack Hammel, 215 Adams St., Topeka.

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SWEET POTATO PLANTS. YELLOW JER- sey \$1.25 thousand. Cabbage plants \$1.50 thousand and tomato plants \$2.00 thousand. D. Childs, Oakland, Kan.

DWARF AND STANDARD BROOM CORN seed \$2.50. Feterita \$4.00. Dwarf maize and kafir \$2.50. All per 100 pounds. Claycomb Seed Store, Guymon, Okla.

FETERITA. WILL MAKE A BIG MONEY grain crop after army worms are gone. Home grown tested seed \$3.50 per hundred. 250 lb. lots \$3.25 per hundred. Pamphlet telling how to grow. H. M. Hill, Lafontaine, Kan., R. 1.

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FOR SALE

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

THOROUGHBRED SCOTCH COLLIE PUPS for sale. Ralph Supper, Garfield, Kan.

FOR SALE—LATE MODEL HART-PARR kerosene tractor. O. McIntire, Newton, Kan.

FOR SALE—AVERY TRUCK. TWO steam engines. S. B. Vaughan, Newton, Kansas.

PEDIGREED COLLIES—\$2.50 FOR FE- males, \$4.00 for males. S. C. Gardner, McLean, Ill.

FOR SALE—CHEAP. AVERY ENGINE and separator. J. W. Thornburgh, Jetmore, Kan.

FOR SALE CHEAP—THREE FEMALE collie puppies, pure bred. M. L. Dickson, Englewood, Kan.

FOR SALE—16 H. P. STEAM ENGINE, IN fine shape, new flues, newly painted. G. C. Munsey, Grenola, Kan.

FOR SALE—45 H. P. INTERNATIONAL gasoline tractor, nearly new, in fine working order, and an 8 bottom Gm Deere plow. Low price. D. W. Hays, Osawatimie, Kan.

TOBACCO BY PARCEL POST PREPAID, ripe, mellow old Kentucky natural leaf, pure and sweet, the finest smoke or chew. One lb. 30c, 11 lbs. \$3.00, 20 lbs. \$5.00. Novice Harper, R. 20, Mayfield, Ky.

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SCOTCH COLLIE PUPS FOR SALE. ALL eligible for registry. Their pedigree contains some of finest blood lines obtainable. Are marked exceptionally fine. Price \$5.00. Only dog worth keeping on farm. A companion for your boy. L. P. Coblenz, La Harpe, Kan.

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RESIDENCE IN BALDWIN FOR LAND in north central Kansas. M. Tillman, Baldwin, Kan.

TELEPHONE SYSTEM FOR SALE, OR EX- change. Inquire of Oakley Telephone Co., Oakley, Kan.

EXCHANGES, 1000, FARMS, MDSE., ETC. Everywhere. Write for list. Reidy & Overlin, California, Mo.

FARM WANTED FOR 6 GOOD RENTED residences in Strong City, Kan., (48 lots), annual income \$850. Price \$11,500. Clear. Ad. Box 68, Strong, Kan.

FARMS TO EXCHANGE FOR MERCHAN- dise, merchandise for farms, large list to choose from. 5,000 acre imp. ranch, plenty water, grass, \$5.00 per acre. Other snaps. Write E. J. McComb, Oswego, Kan.

LEGAL.

MEETING OF KANSAS GRAIN GRADING COMMISSION.

Notice is hereby given that under the provisions of Chapter 222 the board of grain grading commission will meet at the office of the Governor in Topeka, on the fifteenth day of June, 1914, and establish the grades of grain to be known as Kansas grades; to be in effect on and after the first day of August, 1914.

A. T. ROGERS,
J. B. NICHOLSON,
A. C. BAILEY, Secretary,
Grain Grading Commission.

BUSINESS CHANCES

BUTCHER SHOP, FIXTURES FOR SALE. Good business and location. San Wedel, Pawnee Rock, Kan.

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

FOR SALE—STONE STORE BUILDING 25x70. Lot 25x150 feet. New stock general merchandise. Cheap for cash. Jens Hansen, Cleveland, Kan.

RESTAURANT—FOR RENT. BUILDING 18x50, two rooms completely equipped. Price \$12.00 per month, or with sell. Good opening. Ad. Post Master, Hamilton, Kan.

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FREE FOR SIX MONTHS—MY SPECIAL offer to introduce my magazine "Investing for Profit." It is worth \$10 a copy to anyone who has been getting poorer while the rich, richer. It demonstrates the real earning power of money, and shows how anyone, no matter how poor, can acquire riches. Investing for Profit is the only progressive financial journal published. It shows how \$100 grows to \$2,200. Write now and I'll send it six months free. H. L. Barber, 425, 28 W. Jackson Blvd., Chicago.

LANDS

FARMS, CITY PROPERTY FOR SALE and trade. Write Lundquist & Myers, McPherson, Kan.

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

FOR SALE—ONE OF THE BEST QUAR- ters of land in Edwards Co., Kansas, eight miles south of Belpre; fine land, good improvements. For price and terms write C. A. Young, Box 52, Fellsburg, Kan.

320 ACRE STOCK AND GRAIN FARM. About one-half in cultivation, balance grass. 70 acres bottom, running water. Price \$60 acre. Would exchange for part city property or small farm. S. F. Gutsch, Hope, Kan.

320 ACRE DAIRY FARM FOR SALE. Fully equipped for good business. 25 choice cows. Good improvements. Horses, implements, will sell part or all for cash, terms to suit buyer. Write for particulars, to F. D. Webb, Sterling, Kan.

ADVERTISE YOUR PROPERTY IN CAP- per's Weekly for quick and sure results. 250,000 circulation guaranteed—among best farmers in Kansas and adjoining states. Advertising rate only 8c a word. Address Capper's Weekly, Adv. Dept., Topeka, Kan.

FOR SALE OR RENT—40 ACRES, 3 MILES of Carbondale, Kan.; 30 under cultivation, balance pasture and little timber on creek; 2-room house, barn, cow lot, chicken house and corn crib; 1 mile to good school; 3 to church and store; fine neighborhood. Am a widow and must sell or rent quick. Bargain. Mrs. Rachel Layman, Carbondale, Osage Co., Kan.

312 ACRES BARTON COUNTY, MO., 4 miles of Irwin. 150 acres choice creek bottom, raise alfalfa, corn, wheat, anything; 130 acres upland prairie, good wheat and grass land; 32 acres timber pasture, plenty good water; good 6 room house, new barn, good fences; R. F. D., phone, near school. Price \$67.50 per acre. Clear. G. W. Depue, Drexel, Mo.

FINE TOPEKA HOME FOR SALE—I WILL sell my place in Topeka, located on the most beautiful street in the city, near limits of city, two blocks from street car, two blocks from fine school, fine old shade, park like surroundings, lot 61 1/4 by 205 feet, eight room house, modern in every detail, hardwood finish, four fine mantels and grades of oak, brick and tile, big sleeping and dining porch, both screened, barn, poultry house, etc., etc. Fine place for farmer who wants to move to the capital city. Price \$5,500, worth more. Cash or terms. Interest only 6 per cent instead of the usual 7 per cent. No trade. Address R. W. E., care Mail and Breeze.

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HAVE YOU OUR LATEST DIRECT PRICE list on auto, gas engine, harvester machine, kerosene, gasoline, cup grease, crude oil, etc.? Neosho Valley Oil Co., L. J. Hurt, Mgr., Station "E," Kansas City, Mo.

HELP WANTED

GOVERNMENT FARMERS WANTED. Make \$125.00 monthly. Free living quarters. Write Ozment, 38-F, St. Louis, Mo.

THOUSANDS GOVERNMENT JOBS OPEN to men and women. Big pay. Write immediately for free list. Franklin Institute, Dep't G 51, Rochester, N. Y.

WANTED—RAILWAY MAIL CLERK-CARRIERS and rural carriers. Examinations soon. I conducted examinations. Trial examination free. Write Ozment, 38, St. Louis.

WILL PAY RELIABLE WOMAN \$250 FOR distributing 2,000 packages Perfumed Soap Powder in your town. No money required. M. Ward & Company, 218 Institute Place, Chicago.

WILL PAY RELIABLE MAN OR WOMAN \$12.50 to distribute 100 free pkgs. Perfumed Borax Soap Powder among friends. No money required. M. B. Ward Company, 218 Institute Pl., Chicago.

WANTED: 1,000 YOUNG MEN AND WOMEN with backbone and true American grit to prepare for the business positions which will come with this year's big crops. Now is the time to get business education. Blue Book of facts sent free. Write today. Miller Business College, Wichita, Kan.

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MALE HELP WANTED

RAILWAY POSTAL CLERKS WANTED. \$75.00 month. Apply, Franklin Institute, Dep't G 51, Rochester, N. Y.

LEARN WATCH REPAIRING; THE BEST paying trade. Begin now under personal instruction. Earn while you learn. Write for full details. Watch School, 821 East 12th St., Kansas City, Mo.

MEN TO SELL AUTOMOBILE OIL AT 24 cents. High Grade Groceries at low prices. Paints 70 cts. to \$1.25—fully guaranteed. Stock and Poultry Tonics highest medicinal test. The big selling season is on—quick returns—good pay—steady work for men outside of Chicago. Dept. FMB, Hitchcock-Hill Co., Chicago.

AGENTS WANTED

AGENTS WANTED FOR FULL LINE fruit trees and shrubs. Work full or part time as you prefer. Draw pay every week. We teach you. Outfit free. Lawrence Nurseries, Lawrence, Kan.

MAKE \$100.00 A SEASON IN SPARE TIME only and get all your own clothes free. Easy to get orders for men's suits with our beautiful samples and up-to-date styles. Write at once for free book of samples and styles, agent's inside costs and retail prices, full information and our big, new offer. It's a wonderful opportunity. Knickerbocker Tailoring Co., Dept. 102, Chicago.

SALESMEN WANTED.

SALESMEN WANTED—GOOD PAY. SELL—int outfit furnished free. Three good references required. Address "Nurseries," 2130 No. Lawrence, Wichita, Kan.

AUTOMOBILES

SEVEN PASSENGER 60 HORSE POWER Winton six, fully equipped, self-starter, top and windshield. Cost \$3,000 when new. Can be bought at a great bargain. This is a great family car and has only been used by owner. Would also make profitable investment as livery car in country town. T. D. Costello, 1512 Waldheim Bldg., Kansas City, Mo.

MISCELLANEOUS

CONSIGN YOUR HAY TO E. R. BOYNTON Hay Co., Kansas City, Mo. Established 1889.

YOU MAY HAVE A BUSINESS TRAINING. Whatever your circumstances. The Success Club, Topeka, Kan., will find you a way. Write fully. Enclose stamp.

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

OREGON STATE PUBLICATIONS FREE. Oregon Almanac and other official books published by State Immigration Commission, telling of resources, climate and agricultural opportunities for the man of moderate means. Ask questions—they will have painstaking answers. We have nothing to sell. Address Room 67, Portland Commercial Club, Portland, Oregon.

SILOS.

BONITA FARM SILO SIXTY TONS \$97.50. No freight. No foundation. Tested four years and fully guaranteed. This is the coming silo and the one you will buy if you investigate. Write us. Bonita Farm, Raymond, Mo.

WANTED IDEAS Write for List of Inventions Wanted by manufacturers and prizes offered for inventions. Our four books sent free. Patents secured or Fee Returned. VICTOR J. EVANS & CO., 825-F Washington, D. C.

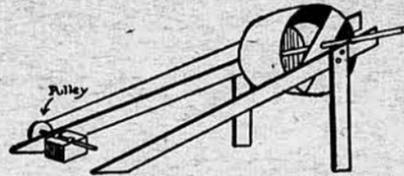
Feterita Seed 95% germination test \$3.00 per hundred. J. E. FARRINGTON, ANADARKO, OKLAHOMA.

Make Your Own Cement Mixer

[Prize Suggestion.]

This sketch shows the plan of my home-made concrete mixer. I have never seen any other like it and it has been of such practical use to me that I would like to pass it on to your readers. The frame is bolted to two 2 by 6-inch planks, 16 feet long. The rest of the frame is also made of 2 by 6-inch plank, the legs being 3 feet long, and the slanting pieces 7 feet.

Any good, tight barrel will do for the mixer. Bore a hole in the bottom for the shaft and set a crosspiece in the



Better Than Several Men With Hoes.

open end, about 6 inches from the edge. On the opposite or closed side of the shaft there is a universal joint in the shaft to allow the barrel to be raised off the frame at the open end and lowered to dump the contents. When in place the barrel is several inches higher at the open end to keep the contents from rolling out while revolving.

We run our mixer with a 2-horse power engine, although almost any engine will do. A 4-inch belt runs from the engine to the pulley at the base of the frame. There is a 3-inch chain sprocket on the same shaft and a chain from this runs to the 14-inch sprocket on the barrel shaft. We do not stop the engine at all while emptying the barrel.

To start the mixer we simply put in the proper amounts of sand, cement, gravel, and water, then turn on the engine. It will do the work better and faster than several men with hoes. Do not leave the barrel out in the sun or it will warp and fall to pieces.

Galesburg, N. D. Claud Jones.

No Forks Lying About Then

I have a fork holder that has proved very satisfactory for me and that would save many an accident if it were used in every barn. I made mine of a heavy



barrel hoop but any kind of strap iron will do. Bend it as shown and nail it to a piece of 2 by 4 set up between two studdings in the wall. It is a good plan to nail an inch strip just below the bent iron. Ernest Pearson.

A Prosperous Rural Church

An \$1,800 pipe organ is being placed in the St. Paul's German Lutheran church in Sherman township in Ellsworth county. The St. Paul's church is in the rural district, and its membership is composed entirely of country folk. The church is several miles north of Ellsworth and it is in one of the richest farming communities in central Kansas. This is said to be the first pipe organ placed in a rural church in central Kansas.

Tongue Support For Binder

Not every one has a binder with trucks to carry the weight of the tongue. Where there is nothing of the kind the weight on the horses' necks when the driver dismounts is excessive. To remedy it hinge a stick to the under side of tongue so it will hang back as the team travels and stand up under tongue when they stop. A little practice will enable the driver to raise the tongue simply by balancing back on the seat. J. H. Thomas.

And We'll Print It

I am a subscriber of the Farmers Mail and Breeze and would like to ask through the paper if any reader knows of a good plan of attaching a windmill to a washing machine. If so, please send it in to be published. J. T. Salem, Neb.

Your One Best Resolution: "I Will Not Shovel in Hot Harvest"

Make the Resolution Today, Then Write Quick for Our Free Book



Store your small grain with a Sandwich Elevator this summer, then let it crib your corn next fall.

Every farmer who buys his Sandwich Elevator before harvest gets double work out of it! And double value, too, besides saving him work, worry and health.

You, too, can get double value—you, too, can cut out the useless drudgery of shoveling load after load

"till you drop. You, too, can add 3 cents to 4 cents a bushel to the profits of your field. The Sandwich Farm Elevator is the best investment I ever made in hard labor-saving machinery" writes Herman Frey, Melvin, Iowa—one of a vast army who says the same.

Sandwich (Eternal Cypress) Farm Elevator

The Noiseless Elevator—Doesn't Rattle to Pieces

Beware of the elevator that rattles, for that deafening rattle and din means a steady vibration—a steady loosening and finally the dropping out of the nuts, bolts and rivets. Then Smash!

Made of Cypress

The Sandwich is made of Cypress "the wood eternal" and will be everlastingly on the job when the steel kind is dented, bent and out of running—when pine and poplar have rotted and fallen to pieces. Farmers know the value of our system of construction for we sell more elevators than any other manufacturer. Straight and firm all the time. No sagging. Here's how we do it. Elevator is made in two sec-

tions with strong malleable hinge couplings. Hinges extend 20 in. on elevator sides. Doubly reinforced by 4 1/2 in. bolts. Every four feet on bottom and sides, heavy band strap-iron braces and trusses are placed.

Write Quick for FREE Catalogue

And the name of a dealer nearby who will show you the Sandwich. Fully describes the construction and special exclusive features of the Sandwich. Also gives you measurements of cribs and granaries. You'll want them if you ever build. Also Free Booklet on Bucket Elevators. All sent free. SANDWICH MANUFACTURING CO. 207 Walnut Street Sandwich, Ill.

What We Keep is What We Gain

Have you applied this principle to the purchasing of your farm insurance? Or have you sent out of the state, to foreign companies, the premiums you have paid for the protection of your grain, your stock, your machinery, your fine buildings, your home—against loss by Fire, Wind-storm and Lightning?

Why should your good, hard-earned money pay taxes and profits back East? Why should your insurance premiums be shoved into the pockets of Wall Street coupon clippers? Why should you send your insurance out of Kansas when you can so easily do business with a good, reliable, safe, home-owned and home-managed Kansas company like the FARMERS ALLIANCE INSURANCE CO. of McPherson?

This company was organized by Kansas farmers over twenty-six years ago. It has been operated successfully by them ever since—has now over \$75,000,000 of insurance in force. It is a company that will help you

"KEEP KANSAS MONEY IN KANSAS"

For this company is a Mutual company, not a Stock company. We have no stockholders, no dividends to pay, no profits. That portion of every premium paid in to this company that is not used to cover the cost of carrying the risk, is returned to the policy holder.

This company is composed of over 40,000 of your brother farmers—good loyal Kansans who prefer to buy their insurance from their own Kansas-built and Kansas-managed company at rates that are 25 to 40 per cent less than those of the old line stock companies.

Let us hear from you. If you are now insured, just tell us when your policy expires and when your next renewal time comes and we will give you full particulars about our plan of "At-Actual-Cost" insurance.

The Farmers Alliance Insurance Company Room 1, F. A. I. Building McPHERSON, KANSAS.

SAVE HARNESS MONEY

Write today for big free catalog of harness and saddles direct from maker at wholesale prices. We prepay freight charges. H. & M. HARNESS SHOP, Box K, St. Joseph, Mo.



Do Your Own Mending

WITH A SET OF THE "ALWAYS READY" COBBLER'S TOOLS



This handy shoe repair outfit was made especially for home use. With the aid of these tools you can easily do any kind of shoe repairing at a great saving of time and expense. The outfit comes securely packed in a box and consists of the following: Iron stand for lasts; one each 9 in., 7 1/2 inch, 5 1/2 inch lasts; shoe hammer; shoe knife; peg awl; sewing awl; staking awl; one package of heel nails; one package of clinch nails; and full directions. A most complete and serviceable outfit which will always give satisfaction.

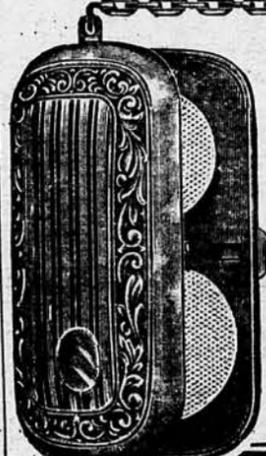
OUR OFFER: This cobbler's outfit may be had free all mailing charges prepaid by sending a one-year subscription to Mail and Breeze at \$1.00 and 25 cents to help pay packing and mailing charges—\$1.25 in all. Either new or renewal subscriptions will be accepted. Send in your subscription and remittance at once to

FARMERS MAIL AND BREEZE Dept. C. O. 10. Topeka, Kansas.

Stylish Coin Purse

FREE

Beautiful Thin Model!



This new style thin model coin purse is heavily silver plated and opens with push spring just like a watch case. It has a beautiful engraved design on both sides as shown in illustration. The illustration also shows the arrangement of the inside of the case. On one side are two coin departments for holding dimes and nickels. The coins are held in place by a concealed spring so that there is no danger of losing them if the case comes open. On the other side is space which can be used for postage stamps or currency. This case is 1 1/2 inches wide by 2 1/2 inches long and is fastened to a nice 4 1/2 inch silver plated chain. We guarantee that you will be more than delighted with this beautiful little purse.

HOW YOU CAN GET THIS PURSE FREE

We are giving these stylish little coin purses away free as a means of introducing our big family and story paper the Household. This paper is published once a month and contains from 24 to 48 pages every issue. We are making a special trial subscription rate for a short time, whereby you can secure the Household for a period of three months for 10 cents and in addition to this, we will send you one of these beautiful little coin purses free and postpaid. If you want one of these purses do not delay but send ten cents to the address below and we will send one absolutely free by return mail and our magazine for three months. The supply of purses is limited so do not put off sending in your order. Address,

THE HOUSEHOLD, DEPT. C. P. 14, TOPEKA, KANSAS

BIG BARGAINS IN REAL ESTATE

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

Special Notice

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

FOR SALE: Improved 40 a. farm, \$1,600. Improved 28 a. truck farm and other S. E. Kansas farms. Beatty, Coffeyville, Kan.

320 A. highly improved, 6 mi. Herington. Best farm in county. Exchange. Stock ranch. Mott & Kohler, Herington, Kansas.

160 ACRES well improved, 3 mi. from good town in Nemaha Co. Price for quick sale \$8,500. \$2,500 will handle it. Real long time at 6%. J. B. Wood, Seneca, Kan.

320 A., Stevens Co., 3 mi. from Moscow on Santa Fe cutoff; level black wheat land; price \$3,600; would take good auto in part payment. Chas. W. Ellsesser, Liberal, Kan.

FOR SALE: A part or all of 460 acres river bottom land, well improved; 160 acres wheat, 200 alfalfa, 50 corn, 50 saw timber. J. W. Moss, Owner, Fredonia, Kansas.

THREE SNAPS. 140 a. dandy imp., 2 1/2 mi. out, \$90 per a. 120 a., dandy imp., 4 mi. out, \$50 per a. 80 a., fine imp., 18 in. alfalfa, \$4,200. Decker & Booth, Valley Falls, Kan.

HOTEL or store building two stories, 13 rooms. Well located central Kansas town. Clear. Want 1/2 section smooth western Kansas land, clear. Ellis & Ford, Salina, Kan.

I CAN SELL YOU the finest farms, not to be excelled anywhere for the price. For alfalfa and grain farms. Stock raising. Descriptions and prices on request. Cash and good terms. H. H. Stewart, Wellington, Kan.

FOR SALE.

800 acres laying 1 mile from Dighton, the county seat of Lane county; this land is underlaid with sheet water, a very desirable place to irrigate and would make a fine dairy farm. Would make very reasonable price if taken soon. O. F. Jewett, Dighton, Kan.

Northeastern Kansas Land

For sale in the famous Bluegrass, Timothy, Clover and alfalfa district, \$50 to \$100 per a. Compton & Royer, Valley Falls, Kan.

Farm For Merchandise

160 acres valley land near Wakita, Grant Co., Okla., small improvements, good alfalfa land, all smooth. 60 acres wheat, 20 acres pasture, bal. corn. Price \$65.00 per acre. Mfg. \$2,000. Will trade for clean mdse. Address Wilson & Bessel Land Co., Colony, Kan.

The Best Farm in Kansas at the Price

Owner on account of age offers choice tract of 150 acres, well improved, 90 acres cultivation, all alfalfa land, plenty water. Possession on sale, if desired. Price \$45.00 an acre, \$2,000 cash, bal. long time low rate. Come at once or write G. N. Upham, Coffeyville, Kan.

A Bargain in Alfalfa Land

160 a. 3 miles town, fine location. Bottom land 120 a., bal. pasture. 20 a. alfalfa, 7 room house, barn, windmill, etc. Price \$55, worth \$75. M. T. Spong, Fredonia, Kan.

\$65 AN ACRE

Buy well improved 90 acres in 5-cent limit on electric line; all good alfalfa land; an elegant suburban home near this city. Get photos and detailed description. Foster Bros., Independence, Kansas.

Ford County, Kansas

(BIG DODGE CITY COUNTRY). Rich farm lands, big crops, bargain prices, easy terms. Established here 12 years. Write for our big list. L. L. Taylor & Co., Dodge City, Kan.

Kiowa County

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

Choice Lots

Located in Plains, Kansas, which is a live, growing town, are certain to be money-makers. Today's prices are from \$17.50 to \$100.00 on easy terms of 1-10 down and the balance 1-10 per month. Write for price list and full information. You will be surprised at the choice investment opportunity offered. JOHN W. BAUGHMAN, PLAINS, KANSAS

Real Bargains

50 a. of good wheat and 100 a. of land in Thomas Co., Kan., 1 1/2 mi. from Oakley; extra good farm. House, barn, good well of water and windmill; fenced and clear. Give possession at once. All for \$4,900.00. 160 a. 8 miles west of Ute in Gove Co.; good water; no improvements; \$1,800.00. Stock farm, 160 a., in Brown county, Ill., 90 a. plow land, bal. pasture and meadow; good spring water never goes dry; pasture all set in bluegrass; some timber. Best fenced farm in that part of the country. Corn and red clover land; good large farm house and large barn. Six miles from Mt. Sterling, county seat. This land is a little rough but a good stock farm and I will price it right. Time on any of the above tracts. John Drury, Owner, Spring Hill, Kan.

100 A. bottom farm, \$140 a. Best of improvements. Write A. Lindstrom, Ottawa, Kan.

160 ACRES creek bottom farm, Lyon Co. German neighborhood, for sale. Theo. Voeste, Olpe, Kansas.

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

IF YOU WANT one to five acre tracts or farms write Doane & Sons, Strang Line, Lenexa, Kan.

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

FOR SALE. 320 acres improved in the famous Moran Valley, Allen county, Kansas. Very low for cash or on easy terms. View of farm sent on application. Address owner, Lock Box 367, Iola, Kansas.

35,000 HARVEST HANDS wanted in Kansas. Buy your land of G. L. Palmer, who is selling his 7,000 acre on account of poor health. Any size wheat farms to suit purchaser at prices ranging from \$15 to \$40 per a. Dodge City, Ford Co., Kansas.

SELL YOUR PROPERTY QUICKLY no matter what or where it is. Pay no commissions. Particulars free. Dept. F, Co-operative Salesman Company, Lincoln, Neb.

MONEY FROM HOME. Improved 160 acres. Well, windmill, 80 cult.; 80 pasture. All can be farmed, well located, 10 miles Spearville, \$2,800. Terms. Send for list. Thos. J. Stinson, Spearville, Kansas.

960 ACRES, CHASE CO., KAN. 80 acres alfalfa land, 300 acres under cultivation; 120 meadow, balance pasture; living water and timber; \$30.00. Victor Carson, Owner, Dodge City, Kan.

322 A. located 3 mi. town, well improved, 9 r. house, large barn, other good buildings, 230 a. cultivation, 90 a. blue grass pasture, never failing water, wind mill, 20 a. hog tight. Owner says sell. Price if sold at once \$55.00 per acre. Write for list. Frank B. Mansfield, Ottawa, Kansas.

SEDGWICK COUNTY FARM BARGAINS. 220 acre alfalfa farm. 120 acres now in alfalfa. Land level; water in 12 feet any place on farm; good house, horse barn, cattle barn; can feed 200 cattle and holds 300 tons alfalfa hay at same time; 60 acres wheat; all crops go \$105 per acre. This will suit you. 80 acre farm, all good land, 6 room house, large barn. This nice little home 6 miles from Wichita. \$5,500. Terms on half. Call on or write H. E. Osburn, 227 East Douglas, Wichita, Kansas.

ALABAMA

ALFALFA LANDS.

In the last year we have sold more alfalfa land than any other firm in the prairie region of Alabama or Mississippi. Reason: Quality of soil and prices. Come to Demopolis, Ala., and see for yourself. C. C. Clay Alfalfa Land Co., Demopolis, Ala.

TEXAS

BIG CROPS, BIG MARKETS, BIG PROFITS. In the Houston, El Campo district of the Gulf Coast. Write us for Free Booklets, "Where Farming Pays," "Pointers on Where to Buy Land;" also "The Gulf Coast Bulletin," for six months free. Allison-Richey Land Co., Houston, Texas.

\$35.00 PER ACRE (\$7,000) CASH will buy this 200 acre stock and dairy farm, located six miles S. W. of Reece, Greenwood Co., Kans. 40 acres valley land under cultivation (would grow splendid alfalfa), balance extra good pasture. Has a good six room house, other buildings only fair. farm all extra well fenced, good well, equipped with mill, and large cement water tank. Legal numbers are—The N. W. 1/4 of S. W. 1/4 Sec. 27-28-8 Greenwood Co. and the S. E. 1/4 of Sec. 23-26-8 Butler Co., Kans. No trades considered. Address W. H. Dayton, Abilene, Kansas.

FOR SALE OR EXCHANGE

WILL SELL OR TRADE you "That farm you want." James Harrison, Butler, Mo.

CASS CO. FARMS for sale or exchange. W. J. Dunham, Creighton, Mo.

LAWRENCE REALTY CO., home of the swappers. Patrick C. Quinn, Mgr., Lawrence, Kan.

A. P. HOUSTON will sell or exchange your land or merchandise anywhere. Want land exchanges. Pittsburg, Kansas.

EXCHANGE BOOK, of hundreds of honest trades, farms, merchandise, etc., everywhere. Graham Bros., Eldorado, Kan.

LET US trade your land and town property for mdse.; give description. Equity Land Loan Investment Co., Box 156, Athol, Kan.

160 ACRE wheat farm, 80 acres good wheat, 7 miles of Lindberg, Kan. Will trade for income property. Theo. Voeste, Olpe, Kan.

\$45,000 STOCK and buildings southwest Missouri, R. R. town. Exchange for central or western Kansas land. Oklahoma considered. Southwest Land Co., Fairplay, Mo.

FOR EXCHANGE. Brick business building, Leavenworth, Kansas. What have you? C. L. Graham, Ulrich, Missouri.

EASTERN LAND FOR WESTERN. 240 acres, well improved, about 75 mi. southwest of Topeka. Price \$18,000, mtgs. \$5,500. Want good land in Kansas, not too far west for equity. What have you? Might assume some. Frank W. Thompson, Beloit, Kan., Agt.

MISSOURI

FOR FARM LANDS in Barry Co., Mo., write J. Y. Drake, Exeter, Mo.

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

BE YOUR OWN BOSS. Don't starve in the city. I own several 40 a. tracts of the best soil, bottom, cut-over timber—some a little impr. Fine income homes can be made. Will sell on your own terms. Guarantee 10% income by rents, if imprd. F. Gram, Naylor, Mo.

CASS COUNTY, Missouri: 320 acres; fine land; slightly improved; only 50 miles to Kansas City; must be sold to settle an estate. Price \$65. Terms to suit. Charles Bird, Harrisonville, Mo.

BARGAINS in farm lands in Cass and Johnson counties, Mo. Are located in the best general farming and stock raising part of Missouri. Farms ranging from \$10.00 to \$12.00. Acres and prices right. Exchanges. John N. Shonaker, Garden City, Mo.

568 ACRES 30 miles from Sedalia, Mo., about 125 acres in cultivation; balance in timber pasture. For quick sale, \$25.00 per acre. Best bargain in central Missouri. Reference—any bank in Sedalia. Stanley & Hatton, Sedalia, Mo.

HOWELL CO., MISSOURI

120 a. farm 2 mi. from Pomona. 75 a. in cult. and orchard, 500 bearing trees, apple and peach, 100 a. fenced, 5 room house, good barn, 2 wells, cistern, phone line, rural mail. 1/2 mi. school. \$28. Terms. Farms for merchandise or town property. A. P. Cottrell Land Co., Pomona, Mo.

WISCONSIN

80 A. Bayfield fruit district \$2,000. Terms. Other bargains. Denton, Bayfield, Wis.

120 A. near Eau Claire, population 20,000; rich soil. Price \$45 per a. Write owner. Jonas Bergh, Eau Claire, Wisconsin.

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

I OWN, control and want to sell some choice improved farms and wild land in the corn, clover and alfalfa belt of Wisconsin; no drought or failure known. Write for maps, etc. W. E. Webster, Hudson, Wis.

14 IMPROVED corn, clover and dairy farms, near twin cities. Low prices. Easy terms. J. M. Hagan, New Richmond, Wis.

240 A. improved, all under plow but 15 a. Best corn and stock land in country. Best markets, 30 mi. to St. Paul. Worth \$80. Will accept \$60.00 acre. Easy terms. Write owner. R. L. Williams, River Falls, Wis.

WE OWN THESE FARM LANDS. Northern Wisconsin, Ashland and Bayfield counties. On good roads. R.F.D., tel., good markets, excellent fruit, cattle and general farm lands. Write us for prices and terms. James W. Good & Co., Ashland, Wis.

NEBRASKA

Found—320 Acre homestead in settled neighborhood; fine farm land; not sand hills. Cost you \$200 filling fees and all. J. A. Tracy, Kimball, Neb.

\$35.00 PER ACRE (\$7,000) CASH will buy this 200 acre stock and dairy farm, located six miles S. W. of Reece, Greenwood Co., Kans. 40 acres valley land under cultivation (would grow splendid alfalfa), balance extra good pasture. Has a good six room house, other buildings only fair. farm all extra well fenced, good well, equipped with mill, and large cement water tank. Legal numbers are—The N. W. 1/4 of S. W. 1/4 Sec. 27-28-8 Greenwood Co. and the S. E. 1/4 of Sec. 23-26-8 Butler Co., Kans. No trades considered. Address W. H. Dayton, Abilene, Kansas.

FOR SALE OR EXCHANGE

WANT WESTERN LAND for 320 acres about 40 miles from Wichita, all good black tillable land, good water, near town and school, small improvements, desirable location. Give full description and price in first letter. I own a nice 160 acre farm, well located, in high state of cultivation, 100 acres wheat, good improvements. Will sell at a bargain, good terms. H. C. Whalen, 413 Bitting Bldg., Wichita, Kansas.

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

1914 BARGAINS Choice farms just listed in northwest Missouri, Iowa, Nebraska, for sale or exchange. Advise me your wants and what you have with full description. M. E. Noble & Son, 507 Corby-Forsce Bldg., St. Joseph, Missouri.

To Trade for Land. Business property in Topeka; elevator, steam heat, electric lights; close to post-office and court house. Price \$40,000. Address GEO. M. NOBLE & CO., 435 Kansas Ave. Topeka, Kansas.

Fine 160 Trego Co. 4 mi. Wakeeney. Nice level land. 150 a. cult. No improvements. Good crops. Fine wheat land. Price \$4,000. Mort. \$2,000. Trade equity for cheaper land, city prop. or mdse. What have you? Iola Land Co., Iola, Kan.

MINNESOTA

MINNESOTA FARMS for sale. Easy terms. Write A. G. Whitney, St. Cloud, Minn.

PAYNESVILLE LAND CO., sell Minnesota farms. Write for list. Paynesville, Minn.

BOOKLET, "Why Best Buy." Wadsworth Co., Windom, Minn., or Langdon, N. Dak.

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

IMPROVED Red Lake county lands for sale. Write for prices and terms. Merchants State Bank, Red Lake Falls, Minnesota.

SOUTHERN MINNESOTA corn belt farms, \$65 to \$95 per a. Map and descriptive folder free. Elsher Land Co., Olivia, Minn.

CORN, CLOVER, POTATO and dairy farms and lands; very best loam soil on clay, within 50 mi. of St. Paul. For desc. list write Frank Fredeen, Taylors Falls, Minn.

WANTED—Farmer in every locality to handle our West Central Minnesota farm lands. Liberal commissions. Write for proposition. King Land & Loan Co., Breckenridge, Minn.

SEVERAL wild quarters on new electric line at \$25.00 per acre; soil is a black loam, underlaid with yellow clay. Reasonable terms. Farmers Co-operative Land Co., Thief River Falls, Minn.

\$1.50 A. DOWN, bal. 20 yrs., 5% int. Good land. Dairy country. Diversified farming. Can be inspected at small cost. Land lies in and near Beltrami Co., Minn. Grand Forks Ebr. Co., Box C, East Grand Forks, Minn.

ACTUAL SETTLERS wanted for our west central Minnesota improved corn, clover, alfalfa and blue grass farms. \$40 to \$70 per a. Write for "Ulland's Information Bulletin." Ulland Land Co., Fergus Falls, Minn.

Settlers Wanted \$5,280 buys 160 acres Marshall county. Well improved, near town. Mostly cultivated. Easy terms. Get particulars. T.K. Thompson, Owner, Loan & Trust Bldg., Minneapolis, Minn.

75 Minnesota Farms

Renville and adjoining counties, \$50 to \$100 per acre. WE GROW CORN. Write for list. Stocker & Beske, Hector, Minn.

NORTH DAKOTA

FARMS FOR SALE in corn and alfalfa belt of North Dakota. Easy terms. Write D. T. Owens & Co., Bismarck, N. D.

152 ACRES; good buildings, 1 1/2 miles to town, near Fargo, N. D. Fine water; all cultivated, \$50 per acre, \$2,600 cash, balance \$500 yearly. Hodgson Realty Co., Fargo, N. D.

WRITE for illustrated Blue Book describing my rich Red River Valley farms. Soil black loam. We grow corn, clover and wheat. Address William McRoberts, Casselton, N. D.

NORTH DAKOTA LANDS DIRECT.

We have listed with us to sell several hundred thousand acres of choice North Dakota lands. To obtain settlers along our 1,200 miles of track in North Dakota we will sell these lands at cost. Prices are about one-fifth those asked in Iowa or Illinois and agricultural possibilities are just as great. Roads, schools, churches, railroads all established. For literature and particulars write J. S. Murphy, Minneapolis, St. Paul & Sault Ste. Marie Railway Co., (Soo Line) Minneapolis, Minn.

\$1.00 PER ACRE DOWN. Or on crop payment plan, one-half crop each year. 35,000 acres in North Dakota for sale. Improved farms and wild land. Heavy soil. Clay subsoil. Near R. R., schools and churches. Prices \$15.00 to \$25.00 per acre. \$1.00 per acre down. Balance 10 annual payments or will sell on crop payment plan. One-half crop each year till land is paid for. CHEAPER than renting. Excursion every Tuesday. Write or see THE A. H. MAAS CO., 215 Andrus Bldg., Minneapolis, Minn.

COLORADO

IRRIGATED farms and stock ranches. Write F. James, 1734 Welton St., Denver, Colo.

COLORADO farm lands; \$8 per acre, \$1.00 down. Fifteen years' time on balance. T. H. Hagen, Board of Trade, Duluth, Minn.

WHEAT FARM, Eastern Colorado, 1,280 acres near good town, 400 a. winter wheat on land summer tilled, 1913. Splendid stand, should yield big. 240 a. being summer tilled. \$40 a. pasture, all be plowed, all fenced. Good 4 room frame house, stable; \$15 per a. Own other large and small stock and wheat farms. Terms. Write W. D. Selder, Owner, 715 Central Savings Bank, Denver, Colorado.

10 ACRE FRUIT TRACT IN COLORADO. 1/2 mile to town, unimproved, irrigation ditch runs by land with plenty water. Best fruit land in the state. Will trade or sell. What have you? Chas. W. Morris, Hale, Missouri.

IOWA

WE OWN 240 acres well improved in Cherokee county, 300 acres in Montgomery county, 320 acres in Neosho county, 960 acres in Pawnee county, all well improved, productive farms. Will sell on easy terms and low prices. 280 acres in wheat on the Pawnee Co. farm. For particulars, address Owner, Box 154, Independence, Iowa.

THE OZARKS, WHAT OF THEM?



Purebred poultry and high-grade Holstein, Jersey and Ayrshire cows have transformed the Ozarks. Not many years ago Southern Missouri and northern Arkansas were celebrated mostly for its moonshine whiskey, squirrel rifles and "yaller" hounds. Today the citizens of that section are progressive, industrious and rightfully proud of the fact that in no other undeveloped section is land advancing so rapidly in value.

Climatic conditions in the Ozarks are ideal for the poultry business. High records made by the hens in the national laying contest at Mountain Grove can be largely attributed to the open winters. Poultry can range almost the year through and the egg basket is filled in winter as well as in summer. Much of the grain fed at the poultry experiment station is grown on the station farm and can be grown in any other Ozark section. Early hatched chicks pay best. Incubators are running in the Ozarks in January and springs go to the St. Louis market when top-notch prices prevail.

Ozark dairymen report a net profit of more than \$100 per cow for 1913 in spite of the drouth and high price of feed. Testing has enabled them to find the producer and discard the drone, and many co-operative dairy associations are making the dairy business more profitable. The man with milk on his shoes holds high standing with Ozark bankers for he has a bank of his own.

OZARK FARM BARGAINS. Write or see the Southwestern Land & Immigration Co., Springfield, Mo. Exchanges made.

OZARK DAIRY, stock and poultry farms pay well. For free list and booklet write to Ward E. Hitchcock, Mansfield, Mo.

HOWELL CO. bargains. Farm, dairy, fruit and ranch lands for sale or exchange. West Plains Real Estate Co., West Plains, Mo.

240 A. 1 1/2 mi. R. R. Two sets improvements. Stock and dairy farm. Price \$22.50 per a. Missouri Land Co., Humansville, Missouri.

FOR SALE ONLY. My 150 a. dairy farm. Well imp. 80 a. bottom. Extra well watered. R. F. Baker, Owner, Mountain Grove, Mo.

THE South Missouri Land Co. will sell or ex. mdse. land, income prop. Descriptive pamphlet and list. Mountain View, Mo.

SALES AND EXCHANGES in lands and merchandise anywhere on earth. Co-operative Realty Company, Humansville, Mo.

25,000 A. timber land, imp. farms, Douglas and Ozark Cos. Best bargains on earth. Homeseekers Real Estate Co., Ava, Mo.

POLK COUNTY FARMS for sale or exchange. Ideal climate, pure water, fine pastures, short feeding season, productive soil, prices and terms to suit. Harry T. West Realty Co., Bolivar, Mo.

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

160 A. 3 mi. Lebanon, 1/2 valley, good house and barn, etc.; \$45.00 per a. Stillwell Land Co., Magnetic City, Lebanon, Mo.

IF YOU WANT farms or stock ranches in the Ozarks of Missouri, write A. J. Johnston, Mchata, Nat'l Bank Bldg., Springfield, Mo.

IF YOU WANT a grain or stock farm on Current River, write Current River Land Co., Van Buren, Mo.

C. L. WILLIS will furnish you free lists of farms and timber lands. Write him at Willow Springs, Missouri.

IF YOU WANT A HOME come to the Ozarks. For particulars write J. E. Twelbig & Co., Norwood, Missouri.

YOUR opportunity for timber, fruit and farm land. Stock and river bottom farms. Exchanges. Abstracts. J. Felix Norman, Galena, Mo.

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

WE HAVE a good farming and stock country; plenty of good rich, smooth land at a price you can afford to pay in Polk and Dallas counties. Polk County Land Investment Co., Bolivar, Polk Co., Missouri.

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MONTANA FARMS for sale. Write for list. Platt & Heath Co., Helena, Montana.

FARMS that will pay for themselves, with three average crops. Low prices. Easy terms. W. W. Huntsberger, Great Falls, Mont.

320 ACRE HOMESTEADS. We can locate you on 320 acres. All plow land; rich soil, good water. R. F. D. routes, free coal and timber. Write DAVIES REAL ESTATE CO., Billings, Montana.

THREE DOLLARS PER ACRE DOWN Of the purchase price, balance crop payments with interest at 6 per cent, will buy a farm in the Judith Basin. Any size tract. For further particulars, address E. F. Cobb Land Co., Lewistown, Mont.

MONTANA AGRICULTURAL LANDS Winter wheat, corn, fruit and alfalfa lands, in the Billings District (best climate in the world) at prices from \$7.00 to \$25.00 per acre, easy terms. Write for literature. Central Montana Inv. Co., Billings, Mont.

NEW YORK

600 ACRES; 15 room, two-story house. 4 barns 40x100, others 30x40; hen house, hog house, granary, wood house, ice house; 5 miles to fine railroad town. Fruit; water unsurpassed. Fine stock farm. Great hay and grass. \$8,000, part cash. Mexico Investment forces sale. Catalog No. 110. Hall's Farm Agency, Owego, Tioga Co., N. Y.

McBURNY'S NEW YORK FARMS. Improved, cultivated and priced at half value, make western farmers buy on sight. Come now, see, and bind your bargain quickly. McBurney & Co., Bastable Block, Syracuse, New York.

CANADA

WE OWN and control large tracts of the best land for wheat and mixed farming in Western Canada. Also large number of improved farms, near railway and school for actual settlers. Prices \$8 per a. and up. Write the owners. Lands and Homes of Canada Limited, Winnipeg, Canada.

OWNER of 30,000 a. of good land near schools, churches and railway markets offers limited amount for sale to good farmers at a right price on terms of 1-10 cash, balance yearly payments at 6%. Write Canada Lands Ltd., 400 Northern Crown Bank Bldg., Winnipeg, Can.

WANTED. Four farmers to buy 1,280 acres or 640 acres between them. Good locations. Easy terms. D. H. McDonald & Co., Land Owners, Winnipeg, Canada.

MANITOBA Settlers wanted for our A-1 farms. Prices are low. Terms easy. Good markets, roads, water. Agents wanted. Write OAKES-GRAY, WINNIPEG, MAN.

ARKANSAS

FREE—All about lands for sale. Describe what you want. Hubert Hall, Waldron, Ark.

DOWELL LAND COMPANY will furnish you lists of farm, timber and rice lands at lowest prices. Walnut Ridge, Arkansas.

FOR DES. LIT., city props., Ark., and Okla. farm, fruit, timber, grazing lands, write Moss-Ballou & Hurlock, Siloam Sprgs., Ark.

BOTTOM and upland farms, for corn, etc., and livestock. Low prices. For full particulars write McKamey & McCarroll, Imboden, Ark.

CORN, OAT, CLOVER land. Sure crops. No swamps, hills. Fine climate, schools, churches. Small pay't down, bal. long time. Maps, circulars. Tom Blodgett Land Co., Elson, Ark.

80 A. ARK. RIVER bottom land, 4 mi. Morrilton, 1 1/2 mi. R. R. station, 60 a. in-alfalfa, 75 a. cult., can lease 3 years at \$8 a. cash; price \$80 per acre. 40 a. river bottom and 7 mi. Morrilton, 2 mi. station, 33 a. cult., in corn, cotton and alfalfa, leased 5 years at \$180 year. Price \$2,250. Stephens, Cazort & Neal, Morrilton, Arkansas.

RIO GRAND VALLEY, Ozark and Arkansas lands. Write for prices and lists. J. F. Bradshaw, Lenexa, Kan.

A FARM OF 140 ACRES, 1 mile from Hope. All open but 12 acres, good house, 2 tenant houses, good barn, orchard of 3 acres. A nice home for anyone. Price \$10,000. Write Horton & Company, Hope, Ark.

GENTRY, BENTON COUNTY, ARKANSAS. Come to Gentry, in the OZARKS, altitude 1,450 ft., finest of water, home of the BIG RED APPLE, a great shipping point for fruit, truck, dairy products, poultry, eggs, etc. A fine country for stock of all kinds, good roads, schools, churches, no saloons, no negroes; farms of all sizes, medium prices, easy terms. Write us. Gentry Realty Co., Gentry, Ark.

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OKLAHOMA

GOOD FARMS FOR SALE; for particulars write to Harry E. Fray, Pawnee, Oklahoma.

WE SELL THE EARTH that produces alfalfa and corn. W. E. Wilson Realty, Walters, Ok.

EXCEPTIONAL BARGAINS in N. E. Okla. farms. T.C. Bowling, Pryor, Mayes Co., Okla.

FOR SALE—Cheap lands in northeastern Oklahoma. Write for price list and literature. W. C. Wood, Nowata, Oklahoma.

Shortage in Cattle Grows

But Prices Do Not Follow—Hogs Are On Up-Grade

BY C. W. METSKER
Kansas City, Mo.

EVERY week adds to the increasing short supplies of cattle. Receipts in the first five months this year were about 300,000 short of the same period in 1913 and the smallest since 1902. If weather conditions remain favorable the total 1914 receipts, probably will be the smallest in the last 25 years. Shippers are complaining that prices are not as high as they should be considering the decrease in the supply. On the other hand killers say that the present price level is so high that the use of beef has been greatly curtailed. In 1910 and 1902, the former years of high record prices for steers, killers had the advantage of drawing on bulls, cows, heifers and calves at much lower prices than at the present time.

No one grade of beef cattle is selling seasonally high and steers are much lower than expected, but the general average price is higher now than at any previous time. In Chicago beet pulp steers from Colorado sold at \$9.35, in Kansas City some at \$9 both record prices for steers that had never tasted grain. Big bunches of Southern Texas cattle, fattened entirely on grass brought \$7.25 to \$7.85, and hay fed steers from the Big Hole section in Montana sold at \$7.75 to \$8.

Consider the Odds and Ends.

When receipts of cattle fall to low supply buyers have to take what they can get and consequently will consider a single head. At all the principal markets there are buyers who make a practice of gathering up the odds and ends, sorting into bunches of same quality and reselling. One trader now is actively engaged in picking up the odd and end calves. His practice is to buy heifers if possible in the 200 to 300-pound class, ship them to his farm and hold them until fall. He figures that on good grass he can get a 150 to 200-pound gain. Farmers who need cattle should buy in their own neighborhood if possible. It saves freight and commissions two ways and the line of breeding on the cattle is also evident.

Vigorous Rally in Hogs.

After touching the lowest point of the season on Monday of last week the hog market rallied vigorously and late in the week it was up 20 to 25 cents. At the low point Missouri river markets were quoted at \$7.75 to \$8.05 and by late week sales were up to \$8.30, as high as in Chicago. Last week the five western markets received 100,000 fewer hogs than in the same period a year ago. This decrease compelled more urgent demand and at the same time forced provision prices up. Many traders believe that the rally in the market will cause decreasing supplies as farmers are inclined to be bullish and with good feed prospects hogs will be scarce. Some immune stock hogs, weighing 100 to 140 pounds sold last week at \$8.75 to \$9 and there is the usual early summer demand for stock hogs in the country.

Better Tone in Sheep.

The movement of southern lambs which promised to reach large proportions by this time, has fallen far below expectations and consequently killers are pegging the market up each day. Last week lamb prices were up 75 cents and sheep 25 to 40 cents. The market now is on a strictly grass basis for sheep and lambs are selling partly on a wool basis, though high for this season of the year. Sheep men say that prospects for a favorable marketing season were never better. The demand for wool continues urgent at rising prices, and a good many sheep will be fall shorn in the Southwest. The Northwest has liquidated to such an extent in the last three years that the fall movement of stock and feeding sheep will be small. Killers say that demand for mutton is relatively larger than for either pork or beef.

The Movement in Livestock.

The following table shows receipts of cattle, hogs and sheep at the five western markets last week, the previous week and a year ago:

	Cattle	Hogs	Sheep
Kansas City	21,300	39,925	35,250
Chicago	40,100	121,000	64,200
Omaha	11,400	38,400	11,000
St. Louis	18,100	44,500	18,300
St. Joseph	6,150	34,200	7,900
Total	97,050	278,025	136,650
Preceding week	98,100	310,600	155,950
Year ago	113,500	396,400	175,350

The following table shows the receipts of cattle, hogs and sheep in Kansas City

	1914	1913	Inc.	Dec.
Cattle	544,307	647,768	.....	103,461
Calves	29,990	32,246	.....	2,256
Hogs	930,226	1,142,041	.....	211,815
Sheep	892,786	885,790	6,996	.....
H. & M.	41,654	41,880	.....	226
Cars	37,407	46,153	.....	8,746

thus far this year and the same period in 1913:

The following table shows a comparison in prices of best offerings of livestock at Kansas City and Chicago for this date and one year ago:

	Cattle	Hogs	Sheep
Per 100 lbs.	1914 1913	1914 1913	1914 1913
Chicago	\$9.25 \$8.05	\$8.27 1/2 \$8.05	\$7.50 \$6.60
Kan. City	9.00 8.25	8.20 8.50	7.00 6.50

Grain on New Crop Basis.

Trade in futures in wheat is on the new crop basis, prices in the northwest being higher than elsewhere as the crop there is still in its beginning. Good rains fell in the entire spring wheat area last week. Cash prices are still on an old crop basis, but by the middle of the month will show the influence of new wheat. Corn was offered in larger supply and prices receded slightly but are still at 70 cents and better. Oats are in active demand.

The following comparison shows prices on best grades of wheat, corn and oats at Kansas City and Chicago for this date and one year ago:

	Wheat	Corn	Oats
Chicago	98 1/2c \$1.04	73 3/4 59 1/2	41 1/4 40 1/4
Kan. City	92 1/2c .92	73 1/2 58	41 1/4 40 1/4

Kansas City Hay Quotations.

Prairie, choice	.....	\$17.50@18.00
Prairie, No. 1	.....	15.50@17.00
Prairie, No. 2	.....	13.00@15.00
Prairie, No. 3	.....	7.50@12.50
Timothy, choice	.....	17.50@18.00
Timothy, No. 1	.....	16.50@17.00
Timothy, No. 2	.....	14.50@16.00
Timothy, No. 3	.....	12.00@14.00
Clover mixed, choice	.....	16.00@16.50
Clover mixed, No. 1	.....	15.00@15.50
Clover mixed, No. 2	.....	13.00@14.50
Clover, choice	.....	13.00@13.50
Clover, No. 1	.....	11.00@12.50
Alfalfa, fancy	.....	17.50
Alfalfa, choice	.....	16.00@17.00
Alfalfa, No. 1	.....	14.50@15.50
Standard	.....	12.50@14.00
Alfalfa, No. 2	.....	8.50@12.00
Alfalfa, No. 3	.....	5.50@ 8.00
Straw	.....	5.50@ 6.00

Seed, Feed and Broomcorn.

Alfalfa is quoted at \$8@11 a cwt.; clover, \$9@12.50; timothy, \$3.75@4.50 a cwt.; cane seed, \$2.70@3.25; millet seed, \$1.20@2; flaxseed, \$1.39@1.61.

Feed prices: Kafir is quoted normal at \$1.87 a cwt.; bran, \$1.05; shorts, \$1.16@1.23; corn chop, \$1.37; rye, No. 2, 62c a bushel; feed barley, 52 1/2@55 1/2c a bushel.

Ware houses report a quiet trade in broomcorn at prices ranging from \$65 to \$140 a ton.

Butter, Eggs and Poultry.

Elgin, June 8.—Butter this week is firm at 26 1/2 cents.

Kansas City, June 8.—Prices this week on produce are:

Eggs—Extras, new white wood cases included, 20c a dozen; firsts, 18c; seconds, 14c; current receipts, 16c.

Butter—Creamery, extra, 24 1/2c a pound; firsts, 22c; seconds, 20c; packing stock, 17 1/2c.

Live Poultry—Broilers, 1 1/2 pounds or over, 25@27c a pound; under 1 1/2 pounds, 20@23c a pound; hens, No. 1, 12 1/2c; culls, 8c; old roosters, 9c; turkeys, 15c; old ducks, 10c; young, 16c; geese, 6c.

Did you get any free seeds this spring?—your share of the quarter million of dollars Uncle Sam regularly provides his congressmen from the money we pay him, so they may court our favor by "giving" us something we don't want but have to pay for. This little quarter-million hole in the national meal sack, has leaked enough money since the hole was made to pay for paving every main traveled road in the United States. And what have we to show for it? It now is proposed to stop the leak before next spring and you may never get any more "free" seeds. That is the only sad thing about it.

Lameness in Pigs

I noticed a complaint of lameness in pigs in the last number of the Farmers Mail and Breeze. I had this trouble three years out of four when I fed skim-milk. I lost some the first year before I heard that feeding a little air slacked lime in the milk would prevent the trouble. I have cured some that were lame and have never lost any from lameness since I have fed the lime. C. H. G.

Central Hay Co.

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OKLAHOMA.

CADDO COUNTY WINS AGAIN. Write us for particulars of how to get state lands, small payments, long time, low rate. Baldwin & Gibbs Co., Anadarko, Okla.

100 A. 1 1/2 miles inland town this county. All bottom and all tillable. 80 a. in cult. \$26 a. Buyer gets share of crop if sold at once. Southern Realty Co., McAlester, Okla.

For Better Farm Profits

A meeting will be held in the Commercial Club rooms at Emporia Monday, June 15, at 10 o'clock, to form the permanent organization of the State Federation of Farmers' Organizations. The temporary organization was formed May 15, with these officers: George Plumb, Emporia, president; C. D. Resler, Chanute, secretary, and I. Allen, Burlington, treasurer. Five or more delegates from every county in the state are expected to be present, and every farmers' organization should send one or more delegates. In counties where there are no organizations, individual farmers are asked to respond.

In speaking of the reasons for the organization of the Federation, President Plumb said:

"It costs the farmers of the United States more than a half billion dollars a year to maintain the numerous members connected with the various stock exchanges, boards of trade and commission houses. It costs the farmers of Kansas on the hay crop alone at the present rate of commission charges almost a half million dollars annually. It has been estimated that this business can be better handled and more satisfactorily, too, at less than 10 per cent of the present cost.

"The time has arrived when the great horde of gamblers, commission men, scalpers and brokers must go, in order that farming may succeed. The producer must have more remunerative prices for his products, and the consumers must have lower prices. The difference of 55 per cent between what the producer gets and the consumer pays must be in a large measure wiped out. Our present system is fundamentally wrong. It enriches the few who are in a position to dictate both the buying and selling prices at the expense of the many.

"The men who do all the work and earn about all the money, get far less than the other fellow who puts in two or three hours a day as dictator. Ex-President Roosevelt appointed a commission to investigate what was the trouble with the farm proposition. Various other great people have been trying to solve the seeming mystery. Men are trying to establish rural credits, when the Lord knows we don't need more credit half so much as we need a legitimate profit, so we can pay off our present obligations.

"Our young men find much more inviting fields in our great cities built up from the unjust profits extorted from the farm. Wages are much higher in the cities. If a farmer should attempt to pay city wages he would go broke on the first round. He should be in a position to pay as much as anyone, and then he could employ competent help. This present system will bring this country to ruin if persisted in. Let us band together as producers and have something to say as to the value of our products; it will be better for everybody except the price jobber, and since he is nothing more than a leech that sucks the life blood from the producer and the consumer, we can well afford to dispense with him.

"Under the present system of price-making the producer is compelled to pray for his neighbors' crops to fail in order that he may be able to dispose of his crop at even a small profit.

"With a general good crop we are farmers in the midst of a calamity financially. Prices in the cities to the consumer remain high, out of all proportion to the price paid the producer. Let us seek the source of this great price-making power and throttle it. There are ways to do this, and the farmer has it within his power. Come to Emporia June 15."

These resolutions were adopted at the meeting in Emporia May 15:

Whereas, The present condition of the markets for selling farmers' produce especially with regard to recent rise in commission on hay in the Kansas City hay market, and the increased cost of selling livestock and other farm products of all the farmers of Kansas compel the farmers to organize for the mutual protection in buying and selling and otherwise controlling the unfavorable condition; therefore, be it resolved:

First—That we recommend a state-wide farmers' organization in Kansas for the purpose of mutual protection.

Second—That we recommend a federation of all farmers' organizations and invite all said organizations to become members of this federation, and that every county in the state be requested to organize and become members of this federation.

Third—That we recommend to the

organizations of today that upon the organization of each county in the state the county organization name from one to five delegates to attend the next meeting for the purpose of permanent organization, and that they be instructed to notify the secretary of the state organizations of the names of said delegates.

Fourth—That we recommend another state meeting to be held at the call of the president and secretary for the purpose of permanent organization.

The committee that drafted the resolutions was composed of: George K. Bideau, chairman, Neosho; John Johnson, Lyon; Frank J. George, Coffey; C. H. Waldo, Franklin; H. V. Trueman, Lyon; F. R. Fulmer, Lyon; T. R. Longshore, Bourbon, and William Wayman, Lyon.

No County Unit For Him

The farmers oppose the county unit plan because it does not offer them anything better, and it would add considerable to their expenses. Why do the promoters of the county unit recommend that cities and towns have their own separate school boards? I think one reason is that they need the support of the town people in order to put it over the rural people. The county unit would also be quite a financial benefit to the town people, although it would cost them nothing except the cost of a legislative act. We all know where this agitation originated. The teachers of the state are back of it.

One of the objects of the county unit plan is to advance the teachers' wages and possibly have a uniform price for all the rural schools. Some districts in the county get as good teachers as other

A first-class Kansas farmer had to sell a span of mules last season—mules he sorely needed on the place—to get a little ready money that he could not do without. The country bank with which he usually did business was "loaned up" and could give him no assistance. The banks in the big towns didn't know him, and the mules which he needed for carrying on his own farming operations had to go at a sacrifice. It is this lack of personal credit, such as every other business man has, that is most seriously crippling the farming industry. Every day the farmers of America lack an adequate system of farm credit, the Nation is the loser.

districts that pay \$7 to \$15 more a month. Is it any crime for district boards to look after the interest of the taxpayers? The county unit plan would create salaried positions for about seven men in every county. It would put a boss over the farmers and charge them for doing work that is now done just as well and is done free.

Another object of the unit plan is to create a sinking fund for retiring teachers. Is there any sinking fund to retire broken down farmers? It's over the hill to the poorhouse, there to live and die, for the farmers. Why not let the teachers share the general hospitality of the poorhouse?

Besides creating a salaried job for about seven persons, the county unit would pool the school fund of the whole county. That would give a nice, unlimited supply for the town boards to draw upon. Some towns have a \$6,000 debt against their school district; this system would place a large share of that debt and interest on the farmers. Some of the towns are needing extra school buildings. The promoters of the unit plan think that the farmers would like to help out on that fund through the tax route. Some rural districts are out of debt and have ample funds. This money would be swallowed up in the pool and when we needed any repairs on our schoolhouses or needed new buildings, we might have to go to our new bosses and get down on our knees and plead with them to tax us to get the money. Well, brother farmers, when this unit plan is fastened on us it will create memories like those of 1913 at tax paying time.

Students graduating from the district

schools usually make a creditable record in their studies when they enter high school. I have one fault to find with the rural district school and that is that it tries to rush the boys and girls into the high school before they have thoroughly covered the eight grades. One fault of the higher institutions of learning is that they are educating the students to work for wages or salary. The first thing the students think about when they come out of high school or college is a salaried job. Then the question is asked, "Why do the boys and girls leave the farm?" The high institutions of learning are turning them out already booted and spurred to ride an already bridled and saddled and tax ridden set of farmers.

I should like to ask the teachers who are advocating the unit plan why they try to fight the state publication of our text books for schools? Many of us think it is time to stop increasing our taxes annually. We think we have some rights that should be respected, or at least we should come in for a little consideration somewhere along the line. The promoters of the unit plan do not care for expense so long as it does not cost them anything. They may think that the way to keep the creative field of labor well supplied is through an ever increasing tax, but they should pause and consider that there is danger of driving some to the poorhouse where they will become a charge instead of an asset. The unit plan will increase the cost of our district schools without adding to their efficiency.

I hope that the law makers will let our rural schools alone until something a great deal better than the unit plan is presented for their consideration. We are justly entitled to run our own schools, hire our own teachers, and handle our own money. We can stand for a good county superintendent, but when it comes to forcing a new board on us at a salary to handle our money for us, that is going a little too far.

R. S. Hartman.

Fowler, Kan.

Packers Will Make Serum

Armour and Company through their subsidiary, the Fowler Packing Company, intend to take up the manufacture of hog cholera serum in Kansas City, provided the proper license can be obtained from the United States government. Serum thus far has been produced in a commercial way in small quantities by companies of limited means. The officials of the Fowler Packing Company state it is their intention to produce serum in large quantities so that it will be available at all times. Their aim is not to make money on the capital invested, but to encourage the production of hogs by reducing the loss from cholera. This is a good idea advanced by a reliable firm and the producer of pork needs the assistance, but the amount of missionary work that actually will be done remains to be seen.

Feterita as a Hog Feed

What is the value of feterita as a feed for hogs and calves? Is it a good feed for hogs or calves in the winter? Should it be fed whole or ground?—G. A. Brown County, Kan.

It generally is considered that feterita has about the same feeding value as kafir for both calves or pigs. It is a good feed to use in winter, but should be fed in connection with some other feed or feeds rich in protein or growth-producing material. Experiments that have been conducted in feeding kafir indicate that the best results are obtained when the grain is ground and the same probably is true of feterita. This comparatively is a new feed and no experiments in which it has been fed have been reported.

Weight of Milk

Will you please let me know through your dairy page what the exact weight of milk is by the gallon?—C. W. Paola, Kan.

The Department of Agriculture at Washington, D. C., gives the weight of average milk under normal temperature as 8.62 pounds, or 8 pounds and 9.9 ounces.

Extraordinarily Good.

I have received a great deal of help from the Mail and Breeze. We think it is an extraordinarily good paper and could not get along without it. Mrs. William Furst. Havensville, Kan.



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Address.....

WHAT BREEDERS ARE DOING

FRANK HOWARD,
Manager Livestock Department.

FIELDMEN.

- A. B. Hunter, S. W. Kansas and Oklahoma, 614 So. Water St., Wichita, Kan.
- John W. Johnson, N. Kansas and S. Nebraska, 320 Lincoln St., Topeka, Kan.
- Ed R. Dorsey, Illinois and Indiana, Versailles, Ill.
- Jesse R. Johnson, Nebraska, 1507 Elm St., Lincoln, Neb.
- C. H. Hay, S. E. Kansas and South Missouri.
- W. L. Billzard, north Missouri and Iowa.

PUREBRED STOCK SALES.

Claim dates for public sales will be published free when such sales are to be advertised in the Farmers Mail and Breeze. Otherwise they will be charged for at regular rates.

Poland China Hogs.

- Aug. 13—Joe Hemmy, Hill City, Kan.
- Sept. 5—J. E. Will, Prairie View, Kan.
- Oct. 23—Albert Smith & Sons, Superior, Neb.
- Oct. 15—Fred G. Laptad, Lawrence, Kan.
- Oct. 15—Homer Dickerson, Jamesport, Mo.
- Oct. 19—Sam Herren, Penokee, Kan.
- Oct. 20—U. S. Byrne, Saxton, Mo.
- Oct. 20—Joe Hemmy, Hill City, Kan.
- Oct. 21—H. B. Walter, Effingham, Kan.
- Oct. 22—H. C. Graner, Lancaster, Kan.
- Oct. 24—Wm. R. Zahn, Concord, Ill.
- Oct. 28—Walter Hilgwein, Fairview, Kan.
- Oct. 29—Thos. F. Walker & Son, Alexandria, Neb., at Fairbury, Neb.
- Oct. 30—Fritchard & Martin, Walker, Mo.
- Nov. 11—J. H. Harter, Westmoreland, Kan.
- Jan. 21—Joe Hemmy, Hill City, Kan.
- Jan. 23—A. C. Lobough, Washington, Kan.
- Feb. 2—John Kimmmer, Mankato, Kan.
- Feb. 3—J. H. Hamilton & Son, Guide Rock, Neb.
- Feb. 4—Albert Smith & Sons, Superior, Neb.
- Feb. 5—H. L. Pritchett, New London, Mo.
- Feb. 10—Agricultural College, Manhattan, Kan.
- Feb. 13—J. F. Foley, Oronoque, Kan.
- Feb. 13—Thos. F. Walker & Son, Alexandria, Neb., at Fairbury, Neb.
- Feb. 15—Joshua Morgan, Hardy, Neb.
- Feb. 17—J. H. Harter, Westmoreland, Kan.
- Feb. 18—J. L. Griffiths, Riley, Kan.
- Feb. 19—A. J. Swingle, Leonardville, Kan.
- Feb. 20—Hubert J. Griffith, Clay Center, Kan.
- Feb. 24—Alfred Carlson, (Spotted Polands), Cleburne, Kan.
- Feb. 26—W. E. Epley, Diller, Neb.

Duroc-Jersey Hogs.

- Aug. 26—W. W. Otey & Sons, Winfield, Kan.
- Oct. 22—M. M. Hendricks, Falls City, Neb.
- Oct. 31—A. N. Farnham, Hope, Kan.
- Nov. 10—J. B. Duncan, Flush, Kan.
- Jan. 25—E. F. Swank & Sons, Blue Rapids, Kan.
- Jan. 26—Ward Bros., Republic, Kan.
- Jan. 27—Ralph P. Wells, Formoso, Kan.
- Jan. 28—Dana D. Shuck, Burr Oak, Kan.
- Feb. 2—A. C. Buckingham and J. A. Porterfield, Jamesport, Mo.
- Feb. 9—Agricultural College, Manhattan, Kan.
- Feb. 10—Thompson Bros., Garrison, Kan.
- Feb. 11—Samuelson Bros., Cleburne, Kan.
- Feb. 12—Howell Bros., Herkimer, Kan.
- Feb. 25—Martin Kelly, Verdon, Neb.
- Feb. 27—A. N. Farnham, Hope, Kan.
- March 5—Samuelson Bros., Blaine, Kan.

Jersey Cattle.

- June 25—Alvey Bros., Meriden, Kan. Dispersion. Fair grounds, Topeka, Kan.
- Sept. 22—H. C. Johns, Carthage, Mo.

Combination Livestock Sales.

- Nov. 9 to 14—F. S. Kirk, Mgr., Enid, Okla.
- Jan. 4 to 10—F. S. Kirk, Mgr., Enid, Okla.
- March 8 to 13—F. S. Kirk, Mgr., Enid, Okla.

S. W. Kansas and Oklahoma

BY A. B. HUNTER.

Graduate Col. Boars.

G. C. Norman, proprietor of Royal Scion Farm of Winfield, Kan., is offering a dozen strictly high class Duroc-Jersey boars. They are sired by the great show and breeding boar Graduate Col., and out of Mr. Norman's best sows. These are big, growthy fellows with plenty of stretch and lots of quality. They are the kind of boars that make noted herd headers. The breeding cannot be improved and the individuality of the boars is as good as the breeding.

N. Kansas and S. Nebraska

BY JOHN W. JOHNSON.

O. R. Strauss, Milford, Kan., is offering some extra choice last fall boars sired by Model Wonder. These boars are real herd header material and are offered at bargain prices.

L. M. Noffsinger, Osborne, Kan., is offering choice Shorthorn bulls from 10 to 14 months old. He is also offering a few young cows and heifers. Write him, if you are interested, for further information and prices.

E. N. Farnham, Hope, Kan., is offering some extra choice last October Duroc-Jersey boars at \$25 each. They have been immuned and are bargains at this price. It is your chance if you are going to need a good herd boar.

James Arkell, Junction City, Kan., is offering 15 choice last September Poland China gilts bred for September farrow. These gilts are offered at attractive prices if taken soon. Write, mentioning his advertisement in the Farmers Mail and Breeze.

C. W. Taylor, Abilene, Kan., is offering 15 young Shorthorn bulls ranging in age from 8 to 13 months old. Mr. Taylor's

ranch is located at Pearl, a small station on the Rock Island, but he can ship easily over the Union Pacific or Santa Fe. Go to Abilene and phone Mr. Taylor and he will take you to the ranch in his auto.

Carl Heine, Lucas, Kan., is a wealthy farmer of that section who indorses purebred stock of all kinds. He breeds Percheron horses and Duroc-Jersey hogs. He has an 800 acre farm. He and his sons look after it and have about 500 acres of wheat which is the finest ever. Mr. Heine is going to offer his Duroc-Jersey spring pigs through the columns of the Farmers Mail and Breeze later on.

J. F. Foley, Oronoque, Kan., is offering some choice fall boars for sale. He has a fine crop of March and April pigs. The fall boars and the top boar pigs from the spring crop are offered for sale. The best of big type breeding is to be found in this herd. Mr. Foley can ship over the Rock Island or Burlington and lives in Norton county. Write him and mention the Farmers Mail and Breeze.

W. E. Monasmith, Formoso, Kan., is offering his well known herd boars, Kansas Special, Col. Geane and Orion Wonder for sale. Mr. Monasmith is well known as a Duroc-Jersey breeder and these boars are well known and popular. For further information address Mr. Monasmith at Formoso. He is a member of the Jewell County Breeders' association and takes an active part in affairs that pertain to livestock business in that county.

Tyson Brothers, McAllister, Kan., are offering their spring crop of Duroc-Jersey pigs at \$12.50 to \$15.00 a head. We visited their herd recently and their spring pigs are extra good and of the best of breeding. They are a little far west for the business and believe the best way to handle them is to sell them at weaning time while the express and other expense is low. You will get a square deal if you trade with the Tysons.

R. P. Wells, Formoso, Kan., changes his advertisement in the Jewell county breeders' section and is offering his March and April boars at attractive prices. They are by Crimson Defender and out of mature dams and will be priced so you can save money by buying your boar now. The express is less and there are lots of reasons why you ought to buy your boar early this year. Mr. Wells is one of the well known breeders of the best in Duroc-Jerseys and is perfectly reliable. Write him about a boar.

In this issue we are starting the advertisement of Ruggels & Son, Beverly, Kan. The elder Ruggels came to Kansas in 1883 and has been in the auction business ever since. He hardly needs an introduction to central Kansas people. His son Earl has been associated with him since a boy and for the past few years has been a factor in many of the best sales in central Kansas. He is about 25 years old and has had the advantage of his father's experience and training. Last year he decided that a course in voice culture and salesmanship would place him in position to better handle fine stock sales. He took a course at Chicago in one of the leading schools of the country and this knowledge applied with his knowledge of values and the general stock business will insure success wherever he is employed. Ruggels & Son are well acquainted and have the indorsement of those who are in a position to know of their ability. They are kept busy most of the time but always have choice dates open. Get in touch with them if you are going to

PUREBRED HORSES.

Excelsior Shetland Pony Farm
Registered and High Grade Ponies for Sale
W. H. Fulcomer
Belleville, Kan.



German Coach
70—Horses—70
The great general purpose horse. Satisfaction guaranteed. Write or call.
J. C. BERGNER & SONS, Pratt, Ks.



SHORTHORNS.

SHORTHORN BULLS
Fashionably bred young bulls, by Roan King and Refiner, two Wisconsin bred sires and out of milking strain dams. They are the kind that make good for both dairy and beef. Levi Eckhardt, Winfield, Kan.

Shorthorn Cattle
A few good cows for sale, safe in calf to herd bull Baron Cumberland. Four nice young bulls, one red, two roans, one white. The white one, a real herd bull. Ask for his breeding. We made 1,000 pounds of butter from herd in 1913.
DR. W. C. HARKEY, LENEXA, KAN.

Shorthorn Bulls
6 bulls from 10 to 14 months old. Also 6 heifers from 1 to 2 years old. Got by pure Scotch sires. A grand lot. Prices reasonable.
L. M. Noffsinger, Osborne, Kan.

LIVESTOCK AUCTIONEERS.

W. C. CURPHEY, Salina, Kansas
Write, phone or wire for dates. Address as above.

BOYD NEWCOM Wichita, Kansas.
Livestock and Real Estate Auctioneer. Write, wire or phone for date.

Spencer Young, Osborne, Kan.
Livestock Auctioneer. Write for dates.

D. F. Perkins, Concordia, Kan.
Livestock Auctioneer. Write, wire or phone for dates.

JESSE HOWELL Herkimer, Kan.
Livestock Auctioneer. Write or phone for dates.

J. P. Oliver Newton, Kan. Livestock and Real Estate Auctioneer. My 20 years experience insures better results.

Jas. T. McCulloch, Clay Center, Kan.
Reference: The breeders I am selling for every year. Write for open dates.

W.B. Carpenter Livestock Auctioneer
300 Hall Building, KANSAS CITY. Also Land Salesman

FRANK J. ZAUN FINE STOCK AUCTIONEER. INDEPENDENCE, MO.
"Get Zaun. He Knows How." Bell Phone 675 Ind.

JAS. W. SPARKS Live Stock Auctioneer
MARSHALL, MO.

L. R. BRADY Manhattan, Kansas
Livestock Auctioneer. Write or wire for dates.

Will Myers Beloit, Kan. Is already booked on leading breeders' sales in Central Kan. Choice dates still open. Write or wire.

Ruggels & Son, Beverly, Kansas
Livestock and big farm sales solicited.

W. A. Fisher, White City, Kan.
Livestock Auctioneer. Write or Phone for dates.

LEARN TO BE AN AUCTIONEER National Auctioneering School of America
Box 39, Lincoln, Neb.

Be an Auctioneer
Travel over the country and make big money. No other profession can be learned so quickly, that will pay as big wages. Next 4 weeks term opens Aug. 3rd. Are you coming?
MISSOURI AUCTION SCHOOL
Largest in the World. W. B. Carpenter, Pres
818 Walnut St., Kansas City, Mo.

POLLED DURHAMS.

Sleepy Hollow Polled Durham Cattle
12 good bulls coming 1 year old, bred cows and heifers for sale. Also a number of good Jacks. C. M. HOWARD, Hammond, Kansas.

Part from 2400-lb. imported sire and part from 2200-lb. imported sire and imported dams, my 2, 3 and 4-year-old registered Percheron stallions would prove valuable breeders for you. With all their weight and bone they are dressy and straight sound. This is some of the most substantial and most attractive Percheron breeding material in the world. Farm-raised and offered at farmers' prices. Fast trains direct from Kansas City and St. Joe.
FRED CHANDLER, Route 7, CHARITON, IOWA

Johnson's Shetland Pony Farm
Write me regarding Shetland Ponies. I have for sale 40 to 50 head of fine ones, spring colts, yearlings, coming two and matured stock. Registered mares or stallions. My herd runs strong to spotted, black and white, and I have Nebraska State Fair winners. Let the children have a pony. My prices are reasonable and every pony is guaranteed as represented. Write me now while I have a fine offering of spring colts on hand.
H. H. JOHNSON, CLAY CENTER, NEBRASKA.



LOOKABAUGH'S SHORTHORNS

High class Herd Bulls, close to Imported Scotch Dams, and sired by such sires as Lavender Lord by Avondale. Nicely bred young heifers from milking strains. Rugged young bulls, the Farmer and Stockman's kind; cows with calf at foot and rebred.
This splendid array of Foundation Shorthorns carry the Best Blood of the Best Families and the Most Noted Sires of the Breed.

THE FARMER'S COW The Shorthorn cow is the farmer's cow because she is best adapted to farm needs. She has been bred for milking purposes generation after generation and will furnish milk for her calf with a surplus to spare to make butter for the family, milk for the table and some for the pigs. Her calf has inherited a tendency to supplement this milk diet with the rough and waste feeds of the farm and the sum total for milk and beef in net gain to the farmer is more than is produced by any other than Shorthorns.

CALL ON OR WRITE
H. C. LOOKABAUGH, Watonga, Okla.

DAIRY CATTLE.

TWO PUREBRED HOLSTEIN bull calves. One and three months old, from our best cows, one with a 21 pound record. One is about 3/4 black, the other evenly divided.
HENDERSON LONG & SON, Haddam, Kan.

HOLSTEINS—CHOICE BULL CALVES
H. B. COWLES, TOPEKA, KANSAS.

HIGGINBOTHAM'S HOLSTEINS
60 head of cows and heifers—registered and high grade. Also a few registered and high grade bull calves.
HIGGINBOTHAM BROS., ROSSVILLE, KANSAS

LINSCOTT JERSEYS
Only Register of Merit herd in Kansas. Choice heifers and cows at \$100.00 and up. Bulls \$50.00 to \$150.00. Breeding and individual quality the very best obtainable. **R. J. LINSCOTT, Holton, Kansas**

HOLSTEIN BULLS Registered, ready for service; also springing high grade heifers for sale.
Springdale Stock Ranch, Concordia, Kan.

Oak Hill Holsteins
Bull calves by Shadybrook Gerben Sir Korndyke out of A. R. O. dams on hand all the time. All tuberculin tested. Absolute satisfaction guaranteed. State your wants fully—we can fill them.
BEN SCHNEIDER, NORTONVILLE, KAN.

Guernsey Bulls
Different ages, pure bred and registered; all good colors, nicely marked and first class in every way are offered for sale by **J. H. LOWER, Edna, Kansas**

Fancy Grade Holstein Cows
2 to 6 years old, all tested and guaranteed sound, good udders and good tests. They are large, often weighing 1,700 pounds. There is no better market for the Kansas crops than the dairy route. In no other way can the present high priced feed be turned into as much profit as by the Holstein cow. A good feeder and a conscientious milker. Write or call.
W. G. MERRITT & SON, GREAT BEND, KAN.

SOMMER--BLADS GUERNSEYS!
TUBERCULIN TESTED.
Headed by Goodwills, Raymond of the Preel, son of Imp. Raymond of the Preel. Grade and registered females for sale, also registered bulls.
ERNEST KENYON, Nortonville, Kansas

RED POLLED CATTLE.
FOSTER'S RED POLLED CATTLE Write for prices on breeding cattle.
C. E. FOSTER, R. R. 4, Eldorado, Kansas.

Red Polled Cattle Choice young bulls under 10 months for sale. Best of breeding. Write, or better come and see.
CHAS. MORRISON & SON, Phillipsburg, Ka.

RED POLLED CATTLE
Choice Young Bulls. Several good enough to head good herds—heavy boned, broad headed, breedy kind. Show prospects. Also a few cows and heifers. Visitors welcome. Call or write.
I. W. POULTON, Medora, Reno Co., Kan.



Part from 2400-lb. imported sire and part from 2200-lb. imported sire and imported dams, my 2, 3 and 4-year-old registered Percheron stallions would prove valuable breeders for you. With all their weight and bone they are dressy and straight sound. This is some of the most substantial and most attractive Percheron breeding material in the world. Farm-raised and offered at farmers' prices. Fast trains direct from Kansas City and St. Joe.
FRED CHANDLER, Route 7, CHARITON, IOWA

Johnson's Shetland Pony Farm
Write me regarding Shetland Ponies. I have for sale 40 to 50 head of fine ones, spring colts, yearlings, coming two and matured stock. Registered mares or stallions. My herd runs strong to spotted, black and white, and I have Nebraska State Fair winners. Let the children have a pony. My prices are reasonable and every pony is guaranteed as represented. Write me now while I have a fine offering of spring colts on hand.
H. H. JOHNSON, CLAY CENTER, NEBRASKA.



LOOKABAUGH'S SHORTHORNS
High class Herd Bulls, close to Imported Scotch Dams, and sired by such sires as Lavender Lord by Avondale. Nicely bred young heifers from milking strains. Rugged young bulls, the Farmer and Stockman's kind; cows with calf at foot and rebred.
This splendid array of Foundation Shorthorns carry the Best Blood of the Best Families and the Most Noted Sires of the Breed.
I want to sell during the next six weeks \$10,000 worth of Shorthorns. Six or nine months' time if desired. What we want is your trial order. Young heifers and bulls at \$75, \$100 and up.



THE FARMER'S COW The Shorthorn cow is the farmer's cow because she is best adapted to farm needs. She has been bred for milking purposes generation after generation and will furnish milk for her calf with a surplus to spare to make butter for the family, milk for the table and some for the pigs. Her calf has inherited a tendency to supplement this milk diet with the rough and waste feeds of the farm and the sum total for milk and beef in net gain to the farmer is more than is produced by any other than Shorthorns.
CALL ON OR WRITE
H. C. LOOKABAUGH, Watonga, Okla.

HEREFORDS

Registered Hereford Bulls

Can load of two and three, car load averaging 30 months, all registered and best of breeding. In fine condition. Sell you one or a car load or more. Price very reasonable. Mr. Farmer or Ranchman, these are the sort you need. Come and look them over.

SAMUEL DRYBREAD, HIA CITY, KANSAS

Clover Herd Herefords

Headed by Garfield 4th, by Columbus 53rd. Choice cows from Funkhouser, Sunny Slope, Newman and other noted herds.

FOR SALE—Bulls from 6 to 18 months old, at \$175 to \$190. Also 15 extra good 3-year-old cows, by Garfield 4th, all bred to calve in spring.

E. S. JACKSON, TOPEKA, KANSAS

ANGUS CATTLE

A select lot of ready-for-sale, best breeding and right individually. W. G. DENTON, Denton, Kansas

Angus Bulls and Heifers SUTTON FARM

Have 30 splendid heifers and 30 extra good bulls priced to sell. Write us today, SUTTON & PORTER, R. 4, Lawrence, Kas.

BERKSHIRES

BUY BERKSHIRES FROM BAYERS. They sell SHORTHORN BULLS too. J. T. BAYER & SONS, Yates Center, Kan.

Hazlewood's Berkshires! A few good bred sows and gilts. Write today. W. O. HAZLEWOOD, Route 5, Wichita, Kan.

Walnut Breeding Farm BERKSHIRE boars and gilts, spring farrow, grandsons of Barrow Duke 5th, Big Crusader and Master Ace 7000 and out of Lord Premier sows, also an imported bred outstanding 3-year-old boar and a few good Hereford bull calves. Lee Walte, Wichita, Kan.

Special Offering Sutton Farm Berkshires. Image of a pig's head.

100 head for sale, 40 boars, 30 gilts, 30 bred sows, 100 fancy fall pigs, at attractive prices. SUTTON FARM, KANSAS

KIESLER FARM BERKSHIRES. Herd headed by Grand Leader by the champion, Susebus, Kysler and Giesler, Premier 8th. Fall boars, fall gilts, bred or open and spring farrow—the kind that were good enough to win at the International and Berkshire Congress. Herd means, correspondence a pleasure, prices reasonable. A. J. McCAULEY, Prop., PERRYVILLE, MO.

O. I. C. HOGS

O. I. C. PIGS. LARGE TYPE. Pairs \$15.00. HARRY W. HAYNES, Meriden, Kansas.

O. I. C. FALL BOARS REGISTERED FREE. HENRY KAMPING, ELDMORE, KANSAS.

Western Herd O. I. C. Hogs. March pigs, both sexes, \$10 to \$15. Pairs and trios not related at less. Also 25 fall gilts bred for September farrow. F. C. GOOKIN, RUSSELL, KANSAS

O. I. C. SPRING PIGS at \$10 each. Satisfaction guaranteed. Pairs and trios not related at less. A. G. COOK, Luray, Kansas.

O. I. C. HERD BOAR. My herd boar O. K. Wonder for sale at \$60. A sure breeder and a good one. Also spring pigs of both sexes. Write. Andrew Kosar, Dalphos, Kan.

O. I. C.'s Bred sows and gilts, fall and spring pigs in pairs and trios no kin. SEED CORN. Gold's Dent and Carter varieties, \$2.50 per bu. shelled. Also 50 eggs for setting \$ C. R. I. Rads II per setting, \$5 per 100. JOHN E. NEEF, Eosenville, Missouri

Edgewood O. I. C.'s. Booking orders for spring pigs by Progressor 2200, Tonganoxie Chief 3107, Burr Oak Model 3200, Bell Metal 3100, Herd Improver 2532, Orange Blossom 3000. Pairs and trios no kin. Henry Murr, Tonganoxie, Kas.

URIEDALE HERD O. I. C.'S. URIE BOY by Don Magna, out of a litter of 24, heads the herd. The most unique hog plant in the country. Size, prolificness, quality and cleanliness. Sows of best breeding. Booking orders now for spring pigs at weaning time. W. T. URIE, BOX 43, INDEPENDENCE, MISSOURI.

400 CHESTER WHITE PIGS ON MAPLE LAWN STOCK FARM 400. They are bred by Illinois Protection 2332, Maple Lawn Prince 24513 and many other noted boars. We sell our best pigs delivered anywhere in the United States at \$25 each or \$45 a pair. Shipped on approval. CASH to accompany each order. We pay express. EDWARD JONES & SON, White Hall, Illinois.

Make a sale. Their card appears regularly in the auctioneer's section in the Farmers Mail and Breeze.

Cook's O. I. C. Sows

A. G. Cook, Luray, Kan., starts as O. I. C. advertisement in this issue in which he is offering spring pigs at \$10 to \$15. We saw these pigs last week and they are an exceptionally fine lot of spring pigs that are thrifty and all right in every respect. Dan 3d, a 2-year-old boar, bred by F. C. Gookin's boar, King, and L. B. B. Perfection, bred by L. B. B. B. of Cleveland, Ohio, are two boars in service in the herd. Four different boars sired the different litters in this spring's crop of pigs. Mr. Cook can supply you with pairs and trios not related and if you can use a number he will make the price very attractive. This present crop of pigs which he is offering is one of the best we have seen in a long time and the prices at which they are offered are very low, considering the high quality of the pigs. Write him quick if you want one or more.

O. I. C. Bred Gilts

F. C. Gookin, Russell, Kan., has built up a splendid business for his "Western herd of O. I. C. hogs" and is shipping pigs at weaning time all over the country. His business is growing all the time and he is taking care of it by growing more pigs. Mr. Gookin takes great pains with his business and is naturally proud of his long list of satisfied customers. He is planning to exhibit at the fair at Topeka again this fall and expects to enter all the fine crop of spring pigs which he is offering at \$10 to \$15. He will sell pairs and trios at a reduction from this price. It is his idea to ship them out without any expense and he can afford to sell them cheap if he can do this. He is offering 35 very choice fall gilts, bred to his four different boars. These gilts will farrow in August and September. Write him for prices on them.

Duroc-Jerseys and Herefords

J. Lee Duan, Russell, Kan., will be remembered by readers of the Farmers Mail and Breeze as a breeder of Duroc-Jerseys. They will be glad to know that he is still in the business and that he is breeding registered Hereford cattle as well and that he now has a herd numbering 30 calves. The herd is headed by Promoter, a 3-year-old bull bred by Funkhouser and the spring calves are by Beau Graduate. The cows trace to Anxiety 5th and Brummel, Lamplighter and several other bulls of note. His herd of Duroc-Jerseys represents the prominent blood lines of the breed and at the head of his herd is Red Line, a 3-year-old boar that sired the spring pigs and that is easily better than an 800 pound boar. He will offer, a little later, boars and gilts of spring farrow for sale.

Illinois and Indiana

BY ED. R. DORSEY.

H. W. Allen of Havana, Kan., breeder of Duroc-Jersey hogs, writes that his pigs are doing nicely. He is very much pleased with his favorite young gilt, a daughter of Model Top, as her fine pigs are doing so well. This is one of the best gilts sold at Samuel Drybread's last brood sow sale. The pigs are by Perfect Col. Mr. Allen is not a pioneer breeder and only has a limited crop of pigs but his breeding and individuality are of the very best as he has patronized only the best of breeders and bought the very tops of their herds which with the good care they are receiving makes it possible to have as good as anyone and of course his prices are just as anyone and those of more reputation but those doing business with Mr. Allen will find him in every way straight and honorable in all of his dealings. Just a short time ago we visited his herd and found them free from criticism.

Dickerson's Spotted Poland Chinas

Homer T. Dickerson, Jameson, Mo., has one of the good herds of spotted Poland Chinas and on October 15 he will sell 50 head, mostly 1914 farrow, but he has 18 beautiful fall yearlings that will go in the sale and possibly six sows that have raised from one to two litters. At the head of the herd is Spotted Chief 55308, by Pawnee Pete 55115, by Big Pete 51164 and out of Pansy Blossom 36948. Spotted Chief is assisted by Spotted King 65979, by Longfellow 52829 out of Anna Bell 153206 by Big King 52477. The herd sows are sired by Improver 36580, Budweiser 34844, Missouri Chief 43279, Pawnee Pete 55115, Improver 2d 40822, Brandwine 47590 and Longfellow 52829. Brandwine 47590 and Billy Sunday 44347 which gives Mr. Dickerson a great variety of high class breeding in the original spotted Poland China hogs. While this notice will appear some time before the sale of October 15, we hope those interested in real Poland Chinas will not forget this good herd.

N. Missouri and Iowa

BY W. L. BLIZZARD.

Alvey Brothers, for years located at Meriden, just a few miles from Topeka, Kan., proprietors of one of the good registered Jersey herds of the West, have been selecting and breeding for high class production along butter lines. Now this great herd is to be dispersed and a chance almost of a lifetime to buy cattle that would not be for sale under different conditions presents itself. The sale is to be held at the fair grounds in Topeka, on Thursday, June 25, and every Jersey is to be sold without reserve. Among the attractions will be 12 choice young cows in milk, every one good enough to have a place in any herd in America. About 20 cows and some of the most beautiful and promising young heifers that ever went through a sale ring in any western state, a lot of choice young bulls, and the herd bull, Glenwell's Blue Fox, and a flying fox bred bull that was bred at the Biltmore Farms are included in this sale. Quite a number of the cows were sired by the bull Exile of Topeka, a grand-son of Golden Fern's Lad. Among these is the great cow Exile Kansas, sired by Her Jam was a daughter of Tommy Tormentor. This cow dropped her first calf at 25 months of age and milked four calves and one at more than 5 percent butter fat, testing better than 10 percent since that time in view of this cow's record since that time Alvey Brothers honestly think that with good care she would make over 800 pounds

Alvey's Dispersion Sale JERSEY CATTLE At the Fair Grounds Topeka, Kan., Thursday, June 25

Conditions are such that we find it necessary at this time to disperse our splendid herd of registered Jerseys that we have been years in building up. The offering will include about 20 choice young cows and bred heifers. About 12 head now in milk and every female of breeding age safe in calf to our great young bull "Glenwell's Blue Fox," bred at Biltmore Farm and tracing close to Imp. Flying Fox. Included will be some choice young bulls, cows bred by T. S. Cooper and a lot of Hood Farm breeding. Every one, but three, bred on the farm. Some of the choicest heifers ever offered at auction in Kansas and cows that will make 800 pounds of butter every year, with the right kind of care. Write for catalog and if you can't come send sealed bids or wire fieldman or auctioneer at Topeka (care Throop Hotel).

ALVEY BROS., Meriden, Kan.

Auctioneer—F. J. Zaun. Fieldmen—J. W. Johnson, Jesse R. Johnson.

DUROC-JERSEYS

TWO HERD BOARS. Fall pigs also booked for summer gilts bred and spring pigs at weaning time. R. C. WATSON, Altoona, Kan.

MCCARTHY'S DUROCS. Handsome fall pigs, either sex. Champion blood on both sides. Priced for quick sale. They will please you. DANIEL MCCARTHY, Newton, Kan.

COLONEL WONDER. The No. 1 champion herd, 100 spring pigs at \$15 each. Will pay express on all orders booked by May 1. Also bred gilts and last spring boars. OMAH, T. TAYLOR, Ocala, Mo.

SMITH'S DUROCS. Fashionably bred boars, including grandsons of the great Graduate Col. and a herd-leading son of the champion, Tatarax. Also spring boars. J. B. SMITH, NEWTON, KANSAS

Tyson Bros., McAllister, Kansas. The tops of our Duroc Jersey spring crop of pigs, either sex at \$12.50 to \$15.00 each. 12 Sept. gilts at \$20 to \$25 each. Address as above.

"Red, White and Blue" Duroc Herd. I am offering high class gilts bred for August farrow. Also high class service boars. Booking orders for weaned pigs from my American Royal winning brood sows. Pigs sired by "Firestone," my Champion boar. James L. Taylor, Ocala, Miller Co., Mo.

An Extra Good Duroc Boar. By Golden Model 3rd 117887. Also good fall boars sired by Country Gentleman 13534 and Village Farm Chief 142597, bred good enough for anybody. All guaranteed immune and priced worth the money. Call or write today. W. R. HUSTON, Americus, Kas.

GOOD E. NUFF AGAIN KING 35203. The sensational Grand Champion of Kansas State Fair 1913 heads our great herd. Sale average March 11, 623.12. 40 great sows and gilts for sale. Prices right. W. W. DYKE & SONS, WINFIELD, KANS. "The men with the guarantee."

Guaranteed Immune Duroc Sows. Duroc-Jersey bred gilts for sale, guaranteed, immune and in farrow. I ship on approval. No money down before inspection. F. C. CROCKEE, FILLERY, NEBRASKA

Bargains in Durocs. A number of select well-bred fall gilts. Also bred sows good boars. Prices, \$15 to \$20. Smooth, shiny, weaning pigs, boars, & sows, \$10. E. H. WOOD & SON, ELMDALE, Kas.

12 DUROC FALL GILTS. bred, others will breed to order. 100 SPRING FARROW, both sex, pairs not related. Write GARRETT BROS., HIA CITY, NEBRASKA

A BABY HERD. of four sows and one boar at specially low prices during June. Fall boars for service now. HAROLD F. WOOD, ELMDALE, KANSAS

DUROC-JERSEYS

TATARRAX HERD DUROCS. Choice September and October boars by the Grand Champion Tatarax and G. M'a Tat. Col., at reasonable prices. Tatarax Herd. O. L. BUSKIRK, Mgr., NEWTON, KANSAS

Immune Fall Boars and Gilts. Best of Duroc-Jersey breeding, with size and quality. Choice from large litters. Priced for quick sale. G. H. SHEPHERD, Lyons, Kansas

Maplewood Durocs. We are offering trios, two gilts and a boar, early April farrow at \$45 for the three, not related. MOTT & SEABORN, HERRINGTON, Kan.

BRED SOWS and GILTS. To farrow in May and June. Also Red Poll Bulls. Address, GEO. W. SCHWAB, CLAY CENTER, NEB.

BONNIE VIEW STOCK FARM. Fall and spring pigs nice enough to head any herd or to show at any fair out of prize winners. Write for prices on boar and three sows, last fall's farrow, for show. SEARLE & BOTTLE, BERRYTON, Kan.

Quivera Herd Durocs. Spring pigs all add, am now taking orders for fall pigs which will arrive August 15th to October 1st. E. G. MUNSSELL, Route 4, HERRINGTON, Kan.

BANCROFT'S PEDIGREED DUROCS. We hold no public sales, nothing but the best offered as breeding stock. Choice September farrow open gilts bred to order for September farrow. Spring pigs, pairs or trios not akin, about \$40 for customers in 12 states satisfied. Describe what you want, we have it. B. G. BANCROFT, OSBORNE, KANSAS

Hillcrest Durocs. Extra good October boars (immune) of strictly blue type at \$25 each. Visit my herd at once if you want a bargain. E. N. FARNHAM, Hope, Mo.

MULE FOOT DUROCS. The coming hogs of America. Half of same pattern. Pigs 10 to 18 weeks old, \$10 per pair. Credit from J. B. DICK, LARVETTE, KANSAS

HAMPSHIRE. Registered Hampshires. Spring boars and gilts priced to sell. Every hog properly vaccinated. C. E. LOWRY, OXFORD, KANSAS

Pure Bred Hampshires. Some extra choice, immuned, fall pigs, both sexes, not related. ALVIN LONG, Lyons, Kansas

SPECIAL PRICES on Pedigreed young Hampshire boars, bred sows and gilts. Call on or write, J. F. PRICE, Medora, Kan.

SUNNY SLOPE FARM HAMPSHIRE. Pigs now ready to ship. \$20 each or 3 for \$50. If you say they are not worth the money, I will try my level best to adjust the difference. If you know a fairer way to sell hogs, tell me and I will sell your way. FRANK H. PARKS, Olathe, Kansas

POLAND CHINAS. ATTRACTIVE PRICES ON BOARS. Poland China fall boars—lowa breeding. Good individuals, priced low to make room. Buck Island and Burlington shipping points. J. F. FOLEY, Grassano, Kan.

Sunny Side Poland Chinas. Pigs of September, 1913, farrow for sale. Have sold all my spring boars and bred sows. J. G. BURT, Solomon, Kansas.

POLAND CHINA BOARS of March farrow for sale. Prominent breeding. Prices will suit. Address Sam Herren, Penokee, Graham Co., Kan.

Having Decided Not to Show Poland Chinas this fall, it leaves me with a number of good ones for sale. Whether you desire to show or not here is a good place to get in on some of the right sort. JOHN COLAW, BUFFALO, KANSAS

Model Wonder Sept. Boars. 12 September boars, sired by Model Wonder, out of two mature dams. Great values at \$20 to \$25, with big or three at \$35. Write now for further information. O. R. STRAUSS, MILFORD, KANSAS.

ENOS BIG POLANDS. Boars and gilts of August, 1913, farrow sired by the noted Orin Chief and out of A Wonder's Equal and Knox-All-Hadley dams. Write today. A. R. ENOS, RAMONA, KANSAS

LARGE WITH PLENTY of QUALITY. Handsome young boars, gilts bred or open. Best of large type blood lines. Some boars, herd headers. Satisfaction guaranteed on all breeding stock. OLIVER & SONS, DANVILLE, Kan.

Fancy Large Type Poland. Herd boars U Wonder by A Wonder and Orange Led by Big Orange. Have a few good fall boars for sale. Will also book orders on unrelated spring pigs. Excellent opportunity for young breeder to start right. THURSTON & WOOD, ELMDALE, KAN.

Alfred Carlson's Spotted Poland. Original Big Boned Spotted Poland. 100 spring pigs. I am ready to book orders. Bred sow sale February 24. ALFRED CARLSON, CLEBURNE, KANSAS

EVERGREEN HERD HAS 80 HEAD. We are offering 80 head extra fine Big Type Poland China pigs and a few sows to farrow in Sept. Pigs are by Mo's Mastodon Wonder 61477. Larks Hadley 69109. Great Look 47050 and Capital 53854. Write for prices. E. E. CARVER & SONS, Guilford, Mo.

MT. TABOR HERD POLANDS. Poland China gilts to farrow in May and June for sale. Also fall and yearling boars. I will sell my herd boar, Big Mogal. Write for prices and descriptions. J. D. WILLFOUNG, ZEANDALE, KAN.

J.L.GRIFFITHS, Riley, Ks. offers top September Poland China boars at reasonable prices, out of mature sows. Everything immune. Address as above.

Poland Chinas That Please! Fall boars suitable for both breeder and farmer. Orders booked for spring pigs to be shipped at weaning time. Prices right. P. L. WARE & SON, PAOLA, KANSAS

Big Type Poland China Pigs. By either of the following herd boars: Futurity Mc, John B. Hadley, (1st prize winner at American Royal), Black Big Bone, Long Prince, Great Jumbo, and Dollar Mark. Your choice at weaning time at \$25 delivered. We pay express. WAY & HAIRGROVE, Jacksonville, Ill.

One Herd Boar! We are offering ONE Poland China herd hog right in every way. Five fall pigs by Major B. Hadley, grand champion of 1911. Booking orders for spring pigs (sold all of our bred gilts we had advertised). A. J. ERHART & SONS, Ness City, Kan.

BLACK MAMMOTH POLANDS. The kind that weigh and win. The best of Big Type breeding. Satisfied customers in twenty states. Write for catalogue. It tells all. Paul E. Haworth, Lawrence, Kansas

of butter in a year. Several daughters of this fine cow are included, also the cow Irene Maid, a 60-pound cow of Marigold breeding. The heifers, sired by the herd bull already mentioned, have the greatest udders and are show heifers. On his dam's side close up was a great line of high testing cows. May's Ootie is another great cow that goes in the sale. She was bred by T. S. Cooper and is a 40-pound cow and a very persistent milker. A big lot of the breeding comes from the noted Hood Farm and every animal in the sale is straight and all right in every way. Write to Alvey Brothers, Meriden, Kan., for catalog, but remember the sale is to be held in Topeka. If unable to attend send bids to fieldmen or auctioneer, care Throop Hotel.

Nebraska BY JESSE R. JOHNSON.

One of the successful Duroc-Jersey breeding firms of the state is Garrett Brothers, Steele City, Neb. By honest and careful business methods these boys have built up a great trade among the breeders and farmers of their own and adjoining states. Just now they are offering 12 choice fall gilts bred for September farrow and some more bred for a little earlier, some open gilts, etc. Among them are gilts that if properly fitted would win this year. They have 100 spring pigs, nearly all sired by Iowa Chief 2d, a son of Iowa Chief. Some by Van's Crimson Wonder, by Uneda Crimson Wonder. The Garretts have a great herd of big sows. They include several daughters of Iowa Chief 2d, and a couple of very large sows sired by Hunt's Special. Several by Fairview Lad, a W. L. A.'s Choice Goods bred boar. Some trace to old Kant Be Beat. Garrett Brothers aim to have stock for sale every month in the year and right now they will ship a pair of pigs just weaned to any place in America where there is an express office. It is a pleasure to do business with men like Garrett Brothers. See their advertisement in this issue and write them, mentioning this paper.

S. E. Kansas and S. Missouri BY C. H. HAY.

While at R. C. Watson's we saw over 200 head of high class Durocs. Mr. Watson is offering some very choice sows and gilts, bred to R. C. Buddy 123437, by Buddy K. 4th, Watson's Model Top 150685, by Model Top and Watson's Col. 129353, by B. & C.'s Col. These gilts are of September farrow, sired by Buddy K. 4th, Model Top and other noted sires. Mr. Watson is also booking orders for spring pigs. He has over 100 of them and is in a position to fill most any kind of an order in the Duroc line. If you intend to buy Durocs, write Mr. Watson at Altoona, Kan.; or better still, go and see his herd. He has the goods.

Publisher's News Notes

The Eureka Hog Oiler. The attention of our readers is called to the ad of the Eureka Hog Oiler in this issue. The manufacturers of this offer say that it is the only rubbing post that a hog can lie down against and not open the valves and waste oil. It is sent on a 30 days' trial, and results are guaranteed. This seems to be one of the most practicable machines of its kind on the market, and is sold at a very reasonable price. These hog oilers are coming into general use, as it is generally admitted that they are cheap and practicable, and that they will absolutely keep the hogs free from mange, lice, and skin diseases of all kinds. The expense for oil is very light, and one of these posts will last for many years. They require very little attention, and it is only necessary to set one up in the hog lot or pasture, fill it with oil, and the hogs will do the work. Write at once for big, free circular, and note the guarantee. Kindly mention this paper when writing. See ad on page 12. Address Eureka Mfg. Co., Council Bluffs, Iowa.

An Unusual Engine Offer.

The reliable U. S. Engine Works whose advertisement appears on page 8 of this issue, are making a very unusual and attractive offer to all who are in need of a good gasoline engine. This factory is now selling direct to the farmer and not only quotes low prices and offers 30 days' free trial and a five-year guarantee, but also has worked out a plan of easy payments whereby the purchaser of one of these engines can really make the machine pay for itself. They offer to ship our readers any size U. S. engine they make from 1 1/2 to 12 H. P. for only \$5 down and give a year to pay the balance in small installments of only \$4 a month and up according to the size of engine ordered. U. S. engines have many exclusive advantages which any gasoline engine buyer will do well to consider. The design is known as the inverted vertical type which saves floor space, saves weight, and prevents violent vibrations. The company will be glad to mail their new catalog folder free on request. Address U. S. Engine Works, 3729 Ogden Ave., Chicago.

Farmers Mail and Breeze Pays Advertisers.

Farmers Mail and Breeze, Topeka, Kan. Gentlemen—Please discontinue my advertisement, "Holsteins for sale." I have not sold them but have received at least fifty inquiries for them. Yours very truly, W. B. VAN HORN, Breeder of Holstein Cattle, Overbrook, Kan.

Capper Publications, Topeka, Kan. Gentlemen—The results received from our advertising in the eight paper combination have far exceeded our expectations, and we are several hundred letters behind at present. Capper's gets our business, we assure you. Yours very truly, BLACK & PITTS, Dealers in Real Estate, Waldron, Ark., June 2, 1914.

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

Jewell County Breeders' Association. Members of this association, advertising below will offer nothing but first class animals for sale for breeding purposes. F. R. Burlington, Pres. I. W. Kyle, Secy.

O. I. C. HOGS. Dr. W. W. Spencer, Mankato, Kan. BREEDER OF O. I. C. HOGS. A FEW SEPTEMBER BOARS FOR SALE.

POLAND CHINAS. Poland China Bred Gilts 15 bred for April farrow, sired by Jumbo and bred to Kansas Big Bone. Ira M. Swihart & Son, Webber, Kansas

JOSHUA MORGAN, Hardy, Neb. The best in Big, Smooth Poland. Stock for sale. See me for a boar.

John Kemmerer's Poland. Choice boars out of Jumbo Ex. and Neb. Chief. Inspection invited. John Kemmerer, Mankato, Kan.

Ira C. Kyle & Son's Large type Poland. Giant Chief Price \$2100, by Long King; Bell's A Wonder 61891, by A Wonder. Henry's Expansion 178889, by Dorr's Expansion. MANKATO, KAN.

Three Fall Boars Five gilts bred for Aug farrow, to Miller's Sioux Chief 2nd, and spring boars. Priced to sell. W. A. Melntosh, Courtland, Neb.

DUROC-JERSEYS. BRED GILTS A few very choice well grown spring gilts bred for early spring farrow. Priced right. Write for prices. E. M. Myers, Burr Oak, Ks.

Choice Spring Duroc Jersey Boars sired by Crimmon Defender. Out of mature sows. R. T. WELLS, Formoso, Kan.

FOR SALE: KANSAS SPECIAL 09011 COL. GENE 124651, ORION WONDER 149387. W. E. MONASMITH, FORMOSO, KANSAS.

15 FALL BOARS by Crimmon Burr grand-son of Crimmon Wonder 2d. Big values at \$20 each. Everything Immune. Dan D. Shuck, Burr Oak, Ks.

E. A. Trump, Formoso, Kan. 50 spring boars and gilts for sale at private treaty. Write for prices and descriptions. Address as above.

10 Good Spring Boars priced right to move them quick. JOHN McMULLEN, Formoso, Kansas

Spring Crop of Pigs Doing Nicely; am ready to book orders for fall or summer delivery, at reasonable prices. C. C. Thomas, Webber, Kan.

Royal Scion Farm Durocs. The great Graduate Col. and Col. Scion head this herd; extra choice fall boars by Graduate Col.; also fall gilts bred for September litters by or bred to him. G. C. NOKMAN, Route 10, WINFIELD, KAN.

Durocs \$10 REDS. Early spring boars \$10.00. Sows \$15.00. Immune. Sired by "Kansas Ohio Chief," our new herd boar imported last spring from Ohio. Call and see our hog and poultry farms. Half section fenced hog tight, with modern equipment. ROSE COMB RHODE ISLAND REDS 16 incubators. Winners at American Royal and Kan. and Okla. State Fairs. R. W. Baldwin, Conway, Kan.

BIG TYPE UNPAMPERED BERKSHIRES. 150 sows bred to Fair Rival 10th, King's 4th Masterpiece, Truetype, King's Truetype, and the great show boar King's 10th Masterpiece. All long, large and heavy boned. Sows farrow from August 1st to December 1st. Eighty bred sows and gilts to farrow in June. Open gilts and boars ready for service. Not a poor back or foot. Every man his money's worth. E. D. KING, BURLINGTON, KANSAS.

Dear's Mastodon Poland Chinas Serviceable boars and bred sows and gilts. I have some 3-year-old sows 65 inches long, bone 8 1/2 in., and 34 inches high. VACCINATED AND IMMUNE. Herd headed by Mastodon Price, Columbia Wonder and Gritter's Longfellow 3d. Everything guaranteed and sold worth the money. Phone Dearborn; station, New Market, and postoffice, Weston, Mo. Address CLARENCE DEAN, WESTON, MISSOURI

ROBINSON'S Mammoth POLAND CHINAS. We offer 100 February, March and April pigs of both sexes for delivery when weaned. Some now ready. Pairs and trios not akin. They have heavy bone, great length, depth and thickness and show ring quality. You don't send us a cent until you have received pig, and if not satisfied return pig at our expense and you are not out a cent. F. P. ROBINSON & CO., MARYVILLE, MO.

DOOLEY'S SPOTTED POLANDS. Etterville Breeding Farm, home of the old original spotted Poland Chinas. Booking orders now for spring pigs at weaning time sired by five of the biggest and best spotted boars of the breed. Pairs and trios not related. Get your order in early as they are going fast. Over 100 head to select from. EDGAR DOOLEY, ETTERVILLE, MISSOURI

80 Big Type Poland China Pigs. 20 choice spring boars, 12 to 15 weeks old, \$12 to \$15. Also some tried sows, sired by Big Defender 61978 and bred to Bozarhis Ex 61451 for September farrow, at very reasonable prices. Descriptions guaranteed or money refunded. HOWARD R. AMES, R. R. 2, MAPLE HILL, KANSAS.

Joe Baier's Poland. No boars left. A lot of choice bred sows and gilts at private sale bred to my herd boars. Write for prices and descriptions. J. M. Baier, Dickinson Co., Elmo, Kan.

Poland China Bred Gilts. 15 September gilts bred for September farrow for sale. Also a few choice boars of same age. Popular big type breeding. Gilts \$25 to \$35. Boars \$20 to \$25. JAS. ARKELL, Route 4, JUNCTION CITY, KANSAS

WE ARE BOOKING ORDERS for pigs by the blue ribbon boar, King Babin, Jr., the reserve champion King John and grand champion W. Z. BAKER, RICH HILL, MISSOURI. A Few Gilts Bred for June Farrow. Also a lot of open fall gilts and a nice lot of fall and winter boars. Buy them now; grow them yourself for next fall service. A. L. ALBRIGHT, Waterville, Kan. Big Orange Again & Gritter's Surprise boars of September farrow for sale. They are out of my largest and best sows—and are immuned from cholera. A. J. SWINGLE, LEONARDVILLE, KAN.

Against the County Unit

The Ogden Farmers' Institute adopted these resolutions a few days ago:

Resolved, That the Ogden Farmers' Institute of Riley county, Kansas, condemns the four year course for rural teachers, and opposes the proposed plan for the county unit in the district schools. And be it further

Resolved, That we unqualifiedly approve the position of the patrons of school district No. 76 of Coffey county, Kansas, as follows:

"We are opposed to any plan of complete consolidation of rural schools; that the power to eliminate a weak district be left to the voters of the district under consideration and not to the county superintendent; that we are in favor of equal distribution of school tax money secured from public service corporations; we favor the settlement of our educational problems by the patrons of the schools, and not by teachers and college professors; that we favor state publication of all books in use in rural schools; that we are against the appointment of the state board of education by the state superintendent; that we oppose the publication of the school laws by the State Teachers' association; that we oppose giving power to the county superintendent to condemn any school building or property whatever; that we do not favor a pension to retired teachers, introducing a precedent dangerous and unusual; we are in favor of the present plan of country schools, improving them when we can by securing the best teachers possible at reasonable salaries, and at present disapprove any change in our system except one that provides for introducing higher grade work as far as practicable. We respectfully ask that we be allowed a voice in all questions that concern our schools as being the parties most concerned and having the most at stake."

To Exhibit Farm Products

The management of the Panama-Pacific Universal exposition at San Francisco next year has so planned the placing of all farm exhibits as to fully illustrate the importance of agriculture. Not only will ample space be afforded all nations for a full exhibition of their natural resources and products, but exhibitors engaged in exploiting any cereal, vegetable, dairy or forest industry, whether as a scientific or commercial process will be afforded ample accommodations.

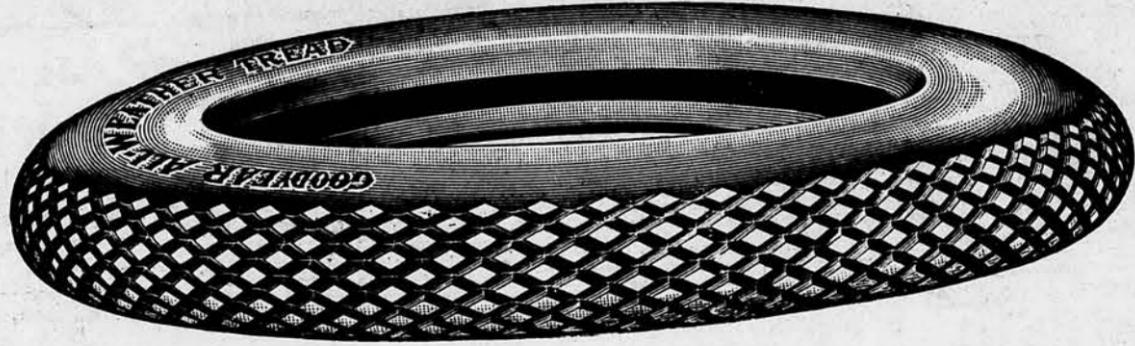
Industries based upon or allied to agriculture, such as the preparation of food products and the manufacture of machinery used in any form of culture will be shown in a selective and comprehensive way. Awards by international and other judges will be given. Two exhibit palaces, known as Food Products and Agriculture, together with many acres of ground, will be used for these displays.

Misrepresenting the State

I noticed by the Kansas City Journal that Governor Hodges in his chautauqua address at Kansas City, Kan., on May 30 boasted that Kansas would have 200 million bushels of wheat. Then I see the same statement given out by Bank Commissioner Sawyer. All the reliable reports show that this is a greatly exaggerated figure. I cannot understand what possible good comes of that kind of a statement by our governor. It all helps to bear down the price of wheat. The farmer will get little enough for his crop. Why help to make the price still lower by sending out such exaggerated stories?
J. R. Whitton.
Smith Center, Kan.

Bull Sold for \$12,000

A new record was made for Hereford breeders when the 2-year-old Perfection-Beau Donald bull, Beau Perfection 24th, sold for \$12,000. This is the highest price ever paid for a Hereford bull in this country. Beau Perfection 24th was included in the sale of 20 head of breeding cattle, the pick of the herd of W. H. Curtice of Eminence, Ky., to E. H. Taylor Jr., of Frankfort, Ky. The average price paid for the 20 head was \$1,000. Visitors at the American Royal last year will remember Beau Perfection 24th as the second prize senior yearling.



Tire Prices That We Call Unjust

Let men, if they will, claim a tire as good as the Goodyear No-Rim-Cut tire. But don't let men claim a better tire to charge you a higher price.

Bear in mind that Goodyear tires hold top place in Tiredom. They outsell any other. After millions of tests, men are adopting them faster than ever. Our this year's sales break every record, by 55 per cent.

And these tires offer four great features found in no other tire. Compel the men who ask higher prices to show some reason for them.

Four Things Lacking

These four things are lacking in every other tire:

Our No-Rim-Cut feature—the only feasible way to end the ruin of rim-cutting.

Our "On-Air" cure—an extra, costly process which saves the countless blow-outs due to wrinkled fabric.

Our rubber rivets—hundreds of which are formed, during vulcanizing, to combat loose treads.

Our All-Weather tread—the anti-skid which runs like a smooth tread. A tough, double-thick tread with deep, sharp, resistless grips.

From \$5 to \$15 More

Sixteen makes of tires now sell above the Goodyear prices. The price per tire will often run from \$5 to \$15 more.

The reason lies in our mammoth output, our factory efficiency, our modest profit. It results from Goodyear popularity. Those extra prices, we can prove to you, are utterly unjust.



No extra price buys these things, nor anything that's like them. Nor can it buy a better tire in any other way. Can you think—with our prestige—we would let any maker give you more than Goodyear gives?

If not, get Goodyear tires at Goodyear prices. Any dealer will supply them.

THE GOODYEAR TIRE & RUBBER COMPANY, AKRON, OHIO
Toronto, Canada London, England Mexico City, Mexico

Branches and Agencies in 103 Principal Cities Dealers Everywhere
Write Us on Anything You Want in Rubber (1562)



BUTLER METAL Grain Bin
Corrugated. Can't Cave in. Rat-Proof. Fire-Proof. Can be used for store house. Capacity increased by additional sections. Keeps grain perfectly. Large door and removable shelving board.
Ask for Booklet Showing Letters from Satisfied Users.
BUTLER MANUFACTURING CO.
1204 W. Tenth St., Kansas City, Mo.

The Powerful Smalley Cuts Silo-Filling Cost!

Hurry-up calls for the Powerful Smalley to replace broken-down, flimsy silage machines happen every day. The Smalley works on the grip-hook, force-feed principle; it does work that no cheap machine can stand up under. The grip hooks and extra paddle roller force the corn, alfalfa, oats or peas into the knives as fast as you can throw it on the form. And it cuts that silage fine and uniform. No uneven, coarse pieces. Your silage packs tight—you get more tonnage.

The Powerful Smalley Force-Feed Silage Cutter

One-pulley and chain-drive on blower outfits replace power-wasting idlers. Large journals. Hard-oil cups mean easy running, no burned-out bearings. Blower operates separate from cutter—no chance of sudden stoppage of cutter causing break-down. Send a postal for the latest Smalley Catalog, and get all the facts today about the fastest, cleanest Cutter and Filler in the world.

The Smalley Mfg. Co., Box 188, Manitowoc, Wis.
Mfrs. of Ensilage, Alfalfa and Hand Feed Cutters, Combination Ensilage and Snapping Machines, Drag and Circular Saw Machines, Champion Flows, Gob Grinders and Feed Mills.

"We have just finished filling four silos with the Smalley No. 18. It's not only a force-feeder, but a self-feeder. We do away with one man by using the Smalley."
JAMES W. WILSON, Director,
Agri. Exper. Sta., Brookings, S. D.

Alfalfa-Grinding Screen

Another great Smalley feature. Grinds 100 to 400 pounds of alfalfa meal per hour. More fattening than wheat bran, at half the cost. Screen detachable. Protected by screen patent No. 721-246. Don't fail to get prices on our new Enclosed Carrier, if you operate a 5 or 6 horsepower engine. Fills your silo in windy weather.

