

THE FARMERS MAIL AND BREEZE



Volume 43

August 9, 1913

Number 22

Time Enough Yet to Grow Feed

Kafir and Milo Planted Now Will Repay the Faithful by October 15



Cheer up. There won't be much danger of a feed shortage in Kansas this fall if you care for what feed you have now, and plant some late crops. It may require a good deal of faith to sow seed now in a dry, dusty field but rain must come before long, and Kansans have faith.

Although the chances are against Kafir and the sorghums making a silage crop this season from sowings made now, there is a possibility of such silage crops if the coming fall should be late with warm days and plenty of moisture. Kafir and milo sowed July 29, 1911, yielded the dairy department at the Kansas Agricultural College, October 15, four tons of silage to the acre. If conditions are as suitable this year as then, silage crops might be obtained from sowings made now. And if growth should be cut short by frost the crop should make forage anyway.

And then there's the rain. Don't forget that. It's coming, folks and you know it, and the farmer who has seed waiting in the soil will be rewarded for his faith with some fall pasture at least, and perhaps some forage.

Millet or cowpeas sown now should, if rains follow soon, make good pasture this fall. The millet may even produce a crop of hay if conditions are favorable from now on. Common millet is the best variety to sow. Ordinarily it matures for hay 50 to 80 days from the date of sowing. For pasturing, stock could be turned on it a month after seeding. The land should be disked and the seed har-

rowed in, using one-half to three-fourths of a bushel to the acre.

Corn fields badly burned by the dry weather should be cut and stored in the silo now, says L. E. Call, head of the farm crops department at the agricultural college. Then this corn land should be sown to millet, cowpeas, or even some of the sorghums might yield forage yet. The Orange varieties of sorghum probably would be the best to sow.

Cowpeas should be sown broadcast at the rate of about one bushel to the acre, and the seed harrowed in. New Era is one of the best varieties for this purpose. At the agricultural college cowpeas for late pasturing have been waiting in the soil for rain since July 15.

Farmers should be mighty saving of every bit of feed in the fields now, the agricultural college men say. Store every bit that will be useful in the silo, and that means all of it. Corn that has been in tassel and is about to fire will make very little grain this season. If this is cut for fodder the quality will be very poor, and it will hardly be worth feeding but it may be put into the silo with very good results. This silage, fed with hay or straw, makes a very good wintering ration for cattle.

Short, immature corn should be allowed to stand until nearly dry before putting into the silo. That is, the leaves should be nearly dry; the stalk should be pretty well filled with sap. If this corn is put in while too green it may make sour silage.



Double the R. F. D. Circulation of Any Other Kansas Farm Paper

Drawn Expressly for
Montgomery Ward & Co
by Kyohel Inukai.



Looking Backward

The following is a sample of thousands of letters received by us during the year. We are proud of them all. Read this one and you will see why our customers have faith and confidence in their dealings with us. Here is the letter:

"May I extend the greetings of the season? I have been with you since 1878. Thirty-four years I have patronized your house. As a boy I sent you small orders. It would be interesting to look over all the orders I have mailed to you. Boyish things, the trimmings of a young man, my wife's engagement ring, the furnishings of a little home, the toys and playthings for babies and children, boys' and girls' books, tools, farm implements, groceries, drugs, clothing. A few years ago my home was destroyed by fire. The new one was equipped from your great store. The enclosed order is for a few presents for some of my children. If I had not received good treatment at your hands would I have remained so long a customer?"

(Name and address furnished on application.)

Looking Forward

Whatever we have done in the past for our customer is only a foretaste of future service. The best evidence of this will be found in our new catalogue of 1000 pages.

This immense volume is filled from cover to cover with over a hundred thousand real bargains—bargains in foods, bargains in furniture, clothing, drugs, farm implements—every requirement of man, woman or child.

This book is free. Sign and send the coupon on this page today. Take the first step in reducing high cost of living by acting *now*.

Montgomery Ward & Co.

Dept. CC-16

Send me Free a copy of your new Catalogue. All I agree to do is look it over.

Name

Street

Town

State R. F. D.

MONTGOMERY WARD & COMPANY

CHICAGO

KANSAS CITY

FT. WORTH, TEXAS



THE FARMERS MAIL AND BREEZE

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



Volume 43
Number 23

TOPEKA, KANSAS, AUGUST 9, 1912.

Subscription
\$1.00 a Year

Kansas An Experimental Station of 52 Million Acres

KANSAS has a unique history in many ways, and one outstanding feature throughout has been the initiative of her people, particularly in agriculture. The differences in soils, altitudes and meteorology in the state's 52 million acres, one end in the humid region and the other projecting into territory where moisture is often deficient, are indeed marked. Crops and methods adapted to these variations had to be learned or discovered; there were few precedents to follow, for Kansans were among the first to encounter such complications. Circumstances made experimenters of the Kansans.

While others are standing back, debating, the Kansan goes ahead and tries out the new plant or the new idea. He was the first to grow alfalfa extensively in America, and as a result Kansas leads by a wide margin in area devoted to this wonderful legume. He was the first to sow the hard, red, winter wheats, the flours of which are now world-famed, and his state annually leads in their growth. He was the first to adopt the sorghums as general farm crops, and Kansas became preeminent in their production. Kansas has an annual income of 50 million dollars from four crops that, 25 years ago, were strangers to the state's agriculture—Kafir, milo, alfalfa and sugar beets.

Of the crops that Kansas introduced to American husbandry and developed leadership in, winter wheat was the first to attain prominence. The seed was first experimented with in some of the central counties about 40 years ago, by the thrifty Mennonite immigrants from southern Russia, who grew this wheat in their native country and understood its merits. American mills being equipped for grinding only soft wheat, the hard varieties were not popular with the millers for several years. Because of their producing more reliably and outyielding the other kinds, growing the hard wheats was persevered in by increasing numbers, and millers in those districts where it was being grown most extensively were not long in discovering processes for converting this strange wheat into the now famous flour, whereupon there was a general remodeling of mills and erecting of others especially suited to this purpose. Since then the Kansas hard wheats have been in the ascendancy as the world's standard for the white-loaf bread. Kansas not only grows more, by far, of this hard winter wheat than any other state, but surpasses all in aggregate of all sorts, hard or soft, winter or spring. According to the government reports, revised to the latest census, in the 12 years ended with 1912, Kansas produced 885,388,542 bushels of wheat, or more by 4,693,815 bushels, than the state ranking next. The reports of the board of agriculture show that Kansas has grown three crops of wheat of more than 90 million bushels each, two between 80 and 90 millions, and five between 70 and 80 million bushels. Its sowing has steadily increased, extending in all directions and especially to the west. The so-called "wheat belt" of the central

WINTER WHEAT AND ALFALFA CORN, KAFIR AND CANE THE STATE'S BIG ASSETS

By F. D. COBURN
WRITTEN EXPRESSLY FOR THE FARMERS MAIL & BREEZE

third of the state, from east to west, continues to be the most important producing territory, but not a few counties to the west have become conspicuous for sowing on a large scale. Barton county is the undisputed leader in wheat, producing in the 10 years ended with 1912, 35,439,539 bushels, and Reno is second, with more than 29 million bushels. More than 7½ million acres were sown last fall. The state's area of wheat not infrequently approximates the acreage planted to corn—the state's premier crop—and in one year (1907) the acreage in wheat exceeded that in corn.

While alfalfa is not so important in respect to the area it occupies, it has been one of the most influential factors in the state's prosperity of the last 15 years. It is the most valuable forage grown, but it required years of experience to dissipate the preju-

than any other state. More than a million acres were growing last year, and our tame hay output has more than quadrupled since its introduction.

Few persons, perhaps, know that alfalfa in Kansas first gained prominence in the western part. At first Finney county, in the upper Arkansas valley, was the leader in its growing. As appreciation widened sowing extended throughout the state, and for several consecutive years Jewell, a central county bordering Nebraska, has ranked first in alfalfa, having almost 60,000 acres. It serves as a tame hay plant where timothy and clover do not thrive. It has been a benefaction to Kansas' agriculture. The state's experience shows as a beacon light to others.

The other tremendously important crop that Kansas was largely instrumental in popularizing was sorghum. Long before the possibilities of the grain sorghums were known, Kansas was extensively growing the saccharine kinds. They provided most excellent forage, and for some years the prospect seemed bright that they would prove important in sugar-making. To help determine this, the state paid a bounty on the manufacture of sorghum sugar. The industry eventually was abandoned because unprofitable, after several years of experiment and expensive investments in mills and machinery. As a forage, however, it increased in favor, for it has been never-failing. Hence, when other members of the sorghum family, Kafir and milo, were introduced they were straightway cordially welcomed.

Experience with the sweet kinds demonstrated their value as dry-weather resistants, and the promise that the new sorts, Kafir and milo, would prosper under similar conditions and yield generously of grain approximating the feeding value of corn, pound for pound, besides the forage, brought them rapidly into prominence. They would yield where corn was not dependable, and in reliable corn territory would produce in seasons when corn would fail or make only a short crop owing to dry weather. As is well known, Kafir is the chief of the sorghums in Kansas. It early surpassed in acreage the sweet sorts and now every county in the state grows more or less of it. That Kafir makes first-class silage is adding materially to appreciation of it, and increases its usefulness. Only corn and wheat exceeded, in 1912, the value of the 1,422,114 acres of Kafir in Kansas, which cer-

tainly suggests its growing importance, and especially when it is remembered that 20 years ago less than 50,000 acres were planted.

To a considerable degree Kansas has proved an Experiment station for much of the Middle West, not only in demonstrating the adaptability and worth of new crops but in trying out and learning the methods best calculated for success. By so doing the state has not only helped itself, but immeasurably contributed to the welfare and prosperity of the nation.

F. D. Coburn



WEALTH PRODUCERS THAT SELDOM FAIL IN KANSAS.

dices conceived by many when alfalfa was little known or understood. It is not only highly esteemed, today, for its incomparable yields of the richest hay but also for its fertilizing qualities. Although not directed from any central source, in effect there is at present a nation-wide campaign under way for making known everywhere the merits of alfalfa.

Kansas was the first state to demonstrate in a large way alfalfa's great value to American agriculture and impress the country with its excellence. The federal census of 1910 credited Kansas with more than a fifth of the alfalfa acreage in the United States; and we grow 50 per cent more of it

The Farmers Mail and Breeze

PUBLISHED WEEKLY AT
Eighth and Jackson Streets, Topeka, Kansas.

ARTHUR CAPPER, Publisher. T. A. McNEAL, Editor
A. L. NICHOLS, Associate Editor.

E. W. RANKIN, Advertising Manager.

Editorial Contributors.

F. D. COBURN, J. T. WILLARD, L. E. CALL,
A. M. TEN BYOK, O. A. SCOTT, W. A. COCHEL,
O. E. REED, W. M. JARDINE, ALBERT DICKENS,
H. F. ROBERTS, A. H. LEIDIGH, W. A. LIPPINCOTT,
DR. F. S. SCHOENLEBER.

Department Editors.

FARM CROPS - A. H. Leidigh. FARM DOINGS - Harley Hatch
LIVESTOCK - Frank Howard. VETERINARY - F. S. Schoenleber
DAIRY - A. C. Kittell. THE MARKETS - C. W. Metsker
SWINE - E. J. Waterstrip. HOME DEPTS. - Mabel Graves
HORTICULTURE - M. Mathewson. POULTRY - Reese V. Hicks.

SUBSCRIPTION RATES. . . . One Year, \$1.00

ADVERTISING RATES.

40 cents per agate line. 104,000 circulation guaranteed.

No liquor nor medical advertising accepted. By medical advertising is understood the offer of medicine for internal human use.

Entered as second-class matter Feb. 16, 1906, at the postoffice at Topeka, Kansas, under the act of Congress of Mar. 3, 1879

OUR ADVERTISEMENTS GUARANTEED.

WE GUARANTEE that every advertiser in this issue is reliable. Should any advertiser herein deal dishonestly with any subscriber, we will make good the amount of your loss. Provided such transaction occurs within one month from date of this issue, that it is reported to us promptly, and that we find the facts to be as stated. It is a condition of this contract that in writing to advertisers you state: "I saw your advertisement in Farmers Mail and Breeze."

SPECIAL NOTICE TO ADVERTISERS.

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



PASSING COMMENT
by
T. A. McNeal

THE ABOLISHMENT OF POVERTY.

Thomas Edison says that 100 years from now poverty will be abolished. Of course he is entirely safe in making that prediction, for 100 years from now he will not be here to be called upon to explain why his prediction did not come true, if it should not come true.

It is reasonable however, to suppose that there will come a time when poverty as we understand it now will be abolished. Society will abolish it in self defense, in the interest of public health and public morals. In the abodes of poverty there are necessarily unhealthful conditions. There is a lack of proper ventilation, of proper food, of proper fuel and proper clothing. Conditions among the poverty-stricken breed disease and result in anaemic, stunted and inefficient children and consequently in the same sort of women and men.

But disease is not a thing that can always be confined to the locality in which it is bred. An epidemic started in the abodes of poverty is likely to spread to the palaces of the rich. They have to suffer at least to some extent from the results of poverty.

In England it was discovered when recruits were wanted to fill the ranks of the armies of Great Britain, that an alarmingly large per cent of the men of military age were physically incapable of doing military duty. They had been born and raised in the horrible surroundings that prevail in most of the large manufacturing cities of the kingdom. The mothers, compelled to live under these conditions and to toil often with most unhealthful surroundings, were unfitted to bear healthy children.

So the curse of poverty was transmitted from generation to generation and resulted finally in a race of physical and often moral degenerates. They were not fit to defend the nation. They were incapable of taking care of themselves and so the burden of misery and degradation was being steadily piled on the backs of the taxpayers of England. This naturally started a good many Englishmen to thinking as they never had thought before.

There was a time when the boast of England was the strength of its men and women. The impression among people all over the world was that Englishmen as a rule were the most rugged men to be found anywhere under the sun. And there was a time when that was true. That was in the days before the great factories filled every city in England. The masses of the English people then lived in the country or in small villages. They were poor it is true, but they had plenty of good air and while their food was plain they had enough to eat. Their clothing was coarse but as a rule they did not suffer from cold.

In those old days there was not the same kind of poverty that is common in that country now and English men and women grew stout and lusty and fit to bear arms if need be.

A nation filled with poverty stricken and incompetent men and women is on the road to decay and ruin. That is just as certain as that the sun shines.

The thinkers of Great Britain know this and they are greatly exercised over the problem of how to check this disease of poverty. They are trying to stop it by old age pensions and the like.

I favor the old age pension, but that isn't reaching the seat of the trouble at all. It doesn't help matters a great deal to keep on breeding stunted, sickly, incapable children and then give them pensions when they are old. The thing to do is to destroy the causes that produce that kind of men and women and then perhaps there will not be much need for old age pensions.

If poverty were abolished so that all the people might live in healthful habitations; if they could all have proper nourishment; if the women were freed from conditions that make them unfit to bear strong and competent children, the race would begin to build up instead of retrograde, and the generation of the future would be a strong, virile race of men that given a fair opportunity would take care of themselves and not need old age pensions.

There is no need for abject poverty as it is seen in all of the crowded centers of population. But it will continue until such time as organized society gets really waked up to the fact that such poverty is a curse not only to the people who have to live in such squalid and unhealthful surroundings, but also to the whole body politic.

When it is recognized that poverty is a public and not a private problem then we will begin to find out how to abolish it. So long as the means by which all must live can be controlled and monopolized by a few for their private advantage it is certain that there will be great wealth and ostentatious display and reckless extravagance on the one side and dire poverty and degradation on the other. If this is a problem for organized society to solve, and I think it is, then it follows that organized society must have control of the forces that create poverty and riches. I do not know just what plan Edison has for the abolishment of poverty, but any plan that leaves the control of the things that all must have in order to live in the hands of private individuals will fail to abolish poverty.

MUNICIPAL GAS PLANTS.

It is true that a considerable majority of the readers of the Mail and Breeze are not personally interested in the question of cheap gas. They are not so situated that they can use gas. However there are a good many of our readers who are directly interested.

Those who use natural gas especially, are just now facing a condition and not a theory. Natural gas is the ideal fuel. It is clean and easily controlled. If it is to be had the user can have as much or as little of it as suits his need and convenience.

The Kansas Natural Gas Company, organized for the purpose of furnishing gas to a large number of cities and towns in Kansas and Missouri is at present tied up with two receiverships, one in the federal and the other in the state court. It has been claimed that the receivership in the federal court was a result of a collusion on the part of the officials of the gas company to force the consumers of gas to pay twice as great a price for gas as they had been paying before.

The contention of the gas company is that it cannot afford to furnish gas at the price heretofore charged. The contention of the state on the other hand is that there is still an abundance of gas to be obtained at a low rate and that it can be furnished as cheaply as ever if the gas company will only make the proper effort.

The state claims that the funds of the gas company that should have been used in development of new territory have been diverted to the payment of bonds not yet due and in other ways; that a systematic skin game is being played. The case was taken on appeal to the federal district court and there the United States district judge promptly decided against the state. And now the question is, What are the people going to do about it?

It was suggested that the cities and towns where gas is used should proceed to take over the gas business and run it as a public concern owned and operated by the municipality. The difficulty with the plan is that it does not promise any immediate relief. It would do the people no particular good so far as the coming winter is concerned to seize the local gas company's plant. That would not get any natural gas.

If the city should go into the business of manufacturing gas it is not claimed that it could be furnished at a rate even twice as great as the rate charged by the Natural Gas Company. For that reason the proposition of immediate public ownership did not meet with much favor among the representatives of the cities and towns called into consultation.

However this has raised an interesting question. While it will be impractical so far as next winter is concerned, to try municipal ownership, is municipal ownership a practical proposition for the future? Henderson Martin, chairman of the Utilities Commission believes that it is and has collected some interesting data on the subject. He finds that there are 270 cities and towns in Great Britain that own their own gas plants, 335 in Germany, 10 in Canada, and 25 in the United States.

The municipal plants in Great Britain sell gas on an average 10 per cent cheaper than the private plants. They do not have natural gas in Great Britain, consequently the plants both municipal and private, manufacture gas. The average price charged for gas by the municipal plants of Great Britain

was 65 cents per 1000 feet while the price charged by private plants was 71 cents per 1000 cubic feet.

Mr. Martin finds also that municipal ownership of gas plants is profitable to the municipalities. In Great Britain these municipal plants show a profit of 7.11 per cent as against a profit of 5.62 per cent shown by the private plants. In 1906 212 of the principal municipal gas plants of Great Britain after paying operating expenses and deducting from their revenues 3 per cent for a sinking fund, report that since their organization they had paid into the city treasuries \$4,706,850. A high authority in Great Britain says that public ownership has resulted in cheaper gas, richer gas and purer gas.

The oldest municipal gas plant in the United States is at Richmond, Va. It was established in 1852. By 1906, according to its report, the plant had paid for itself and turned into the city treasury 1 1/2 million dollars.

Duluth, Minn., went into the business of making its own gas in 1898. At that time the private company was selling gas for lighting at \$1.90 per thousand cubic feet and \$1 per thousand cubic feet for fuel. The city after establishing its own plant reduced the price to 75 cents for lighting and 50 cents for fuel.

The municipal gas plant at Wheeling, W. Va., is 34 years old. According to reports received by Chairman Martin, it has paid operating expenses, expended \$429,000 on betterments and paid \$394,000 into the city treasury. Philadelphia has not made a success of its municipal plant. It would be strange however, if a city that has been as rotten as Philadelphia would make a success of any municipal undertaking.

The conclusion reached by Mr. Martin is that municipal ownership of gas plants would result, if honestly managed, either in cheaper gas to the consumers or the turning of the profits that now go into private pockets into the public treasury to be used in the payment of public expenses.

PAST AND PRESENT.

An Oklahoma subscriber writes at considerable length in criticism of what was done by the money powers in 1861. I think there is a considerable amount of misunderstanding about what was actually done in currency matters during the war, but no matter what mistakes may have been made then it occurs to me that a discussion of the legislation of that period is rather profitless now. The only really important matter to be discussed is what ought to be done now and how the people may make their wants known.

I have a firm conviction that whenever public opinion really settles down to a conviction on any matter, congress will take notice of it. The average congressman is tremendously concerned about public opinion. He wants to do the thing that is popular, no matter how much he may occasionally swell up and proclaim his independence. The trouble is that he is often fooled and often fools himself concerning public opinion. He listens to the talk of a few interested men who have selfish purposes to subserve and allows them to persuade him that they represent public opinion.

The masses of the people are busy making a living and have not much time, or at least they think they have not much time, to study matters that concern the public. They do not have time to read and study the measures of importance that come before congress, or at any rate they think they haven't the time, and so they just drift along without much expression of opinion about matters of legislation.

Now there are a few matters of very great importance that people ought to have opinions about and concerning which they ought to be getting all the information possible. They are matters that have to do with the present and the future. It isn't, in my judgment, of great value to discuss things that occurred 50 years ago.

Right now a large amount of territory is suffering on account of the prolonged drought. If it had been possible to irrigate this vast and fertile territory during the past six weeks it would have meant actually hundreds of millions of dollars in increased products. It would have meant profit instead of loss to the people living in that territory and it would have meant lower cost of living to millions of people living outside of that territory.

This is a self-evident proposition that all the people can understand. They ought largely to concentrate their efforts to forcing congress to take action. In order to accomplish the result desired it is necessary to have a great deal of capital. I think the government should furnish the needed capital to the municipal organizations taking their obligations as security and let the system of conservation be carried on under local supervision. That would I think, be better than to put the whole matter in charge of the government.

I have outlined my plan several times. I have tried to make it plain. If you agree with me as to the importance of the subject, do not waste your time in talking about what took place 50 years ago, but get after your congressman, write him and keep on writing him. It takes an immense amount of pounding to break an old flinty rock, and precedent is just like that.

Now you may not agree with me on my plan for the issuance of government currency to the municipalities, but you certainly will agree with me on the proposition that it would be of tremendous benefit

to the country if the waste waters could be conserved and used when needed.

If you have a plan you think is better than the one I have suggested, present it to your congressman, but keep constantly at the front this one important thing, namely, that waste waters ought to be conserved. Impress on his mind that his constituents want that accomplished somehow and want him at least to get busy figuring some way that it can be done.

CO-OPERATION AND THE RAILROADS.

Editor Mail and Breeze—

In the older countries of the world where co-operation has become established, it has exercised a strong influence in matters of transportation. By its aid, adequate facilities have been secured, grievances adjusted without litigation, portions of territory opened up and both the residents and the railroad benefited; shipments have been bulked so that the companies can give a car-load rate where before they could not because of a number of small and separate billings, and a market has been found for that which can be shipped in bulk at the lower rate, whereas the higher local charge would have been prohibitive and justly so.

In many parts of Europe, the relations of co-operator farmers and the railways is that of one business organization dealing with another, and knotty problems are easily solved without misunderstanding. Take the one point, the bulking of shipments. That is one of the most important in caring for Greater London's 7 million of people, and co-operative societies and transportation companies work hand in hand to solve it.

Our western problems need this get-together spirit between producer and carrier. We are not divided, but one in interests. If the farmer or orchardist by the use of scientific methods should double his acre-yield, of what advantage is it unless the surplus can be carried to a good market? When crops fail or no market can be found railroad stocks fall and dividends shrink. The West has need of this organization from this very point of view.

Some time ago, the writer, at the request of a number of farmers, attended a meeting of the board of public utilities to represent their wishes as to a flagman for a certain crossing. Several lawyers made long arguments pro and con about various rights and technicalities.

The members of the board, approached immediately afterwards, and told that the people did not ask for a viaduct or a tower and gates, as some had inferred, but simply a flagman upon the ground inquired whether that would fully satisfy them. Assured that it would, they considered it a very reasonable request. It was granted. The people were very considerate of the other side. All that was needed was to get at them. If they had been organized for co-operative purposes, and a representative of the railroad had come to their leaders and talked the matter over, a hearing would never have been needed. A quiet talk without any legal quibbles would have discovered that both sides wanted to be reasonable. This is a type of hundreds of such cases. Some of those very men, instead of being against that company were actually driving cattle past another railroad to secure this road's good facilities.

There is no doubt in my mind, and I base that conclusion upon numberless facts, that every railroad and its entire official staff in this state can well afford to foster practical co-operation among the farmers by every possible means. The state ought to be stocked up. Eighty per cent of the farms have no more stock than the horses and mules that till the ground. In large areas in the Southwest the average of hogs is no more than one to a farm. There ought to be four times as much stock in the state as there is now.

Most communities properly farmed and fully stocked with meat-producing animals, and dairy stock should support at least twice as many people, and then send out two or three times as much as they do. And the yield of manhood and womanhood with all the requisite comforts for its proper development ought to be far greater. The things that go to make life worth while, and to increase the quality of the human product, to give to it a higher percentage of efficiency, come through co-operation. Efficiency is brought out by co-efficiency.

Why does not co-operation succeed any more rapidly? Why does it in some cases fail and retard the whole movement? To answer the latter first—where it has failed it has not really been co-operation upon the Rochdale basis, but joint-stock organization as a rule. To succeed more fully, a strong basis of real facts of co-operative effort needs to be in the minds of promoters, the results of causes which with us here in the West will work even more certainly than in older countries, and above all the worker in co-operation needs, after gaining definite knowledge, to get the vision.

"What has the vision to do with it?" says one. Just this. There went down with the Titanic a year ago a great railroad chief. He had the confidence of the moneyed men, he had that rare faculty of managing large bodies of men through his subordinates without friction, he knew how to get results from men and material in practical ways, but he also had the vision.

His great Northwest he saw farmed with a mighty population, happy in their farm and village homes; he saw towns arise as great distributing centers to minister to this people's needs; he saw a complete system of transportation making this possible, the great arteries of main lines and the little capillaries of branches reaching to the remotest points. The twin ribbon of steel stretching from the Great Lakes to the deep water bay of the Northwest and its co-operating ocean highway to the Orient with its deep-laden freighters were real to him.

So it must be with the co-operator. The mere saving of a few cents upon the dollar must give way to the broader outlook, the recognition of what true state-wide and nation-wide co-operation will bring about. Get the vision, co-operators!
ALFRED DOCKING.
Manhattan, Kan.

ORGANIZE NON-PARTIZAN LEGISLATIVE CLUBS.

Editor Mail and Breeze—Glad to see my communication under the head of

"What the Country Needs" in Mail and Breeze of June 21. Your criticisms also I can accept with good grace because there seemed to me to be more of harmony than of divergence in our views. In effect you say, and say truly, that partyism was more rife 50 years ago than now. You further say that it is rather popular now for an editor to criticize big business and that is also true. But how about an offer to Arthur Capper of \$100,000 for a \$50,000 plant in order that big

business might control its policies? How about the threatened revocation of his railroad passes and the starting of a rival publication in Topeka to cripple his business? Mr. Capper will gain in popularity by his independent course among intelligent and well meaning men, but the fact that big business has a way to cripple him not only in business, but in popularity, is not to be overlooked. Beyond this his case is only one among many and the average man lies down when big business threatens.

As to this search for a remedy, I am pleased to note that there are other writers who are urging substantially the same plan of procedure as I am. In the Mail and Breeze of June 7 I see that S. M. Konkel of Villas, Colo., urges the forming of what he would call a "Legislative Advisory Club." This is about the same as my idea, except that he would apply its workings to the state instead of the national law.

As the expectation is that the people are to pass judgment on but few laws, I think it would be better to have those few national rather than state. Not only that, but I think it would be less trouble

Political discontent is crystallizing into an insistent and vigorous demand for a square deal for the common people, and for results and efficiency in the public service.
—ARTHUR CAPPER.

to organize as a national than as a state body. But with the idea started either way the dual function national and state would finally be performed. The exercise of one function would finally suggest the other and it would be taken on because of the increased capacity and growth of the organization. The main thing is to start such an organization or club, whatever we may call it.

This is something I have thought about a great deal. I am handicapped by infirmity but I believe I can tell the right kind of a group of persons, from three to a dozen, how they may put the movement on a paying basis and themselves in the lead of millions of followers in a short time. It won't cost much to start the organization, for it is what almost everybody wants. A hundredth part of 1 per cent of the value of such organization to the members will much more than pay all the cost of its workings.

There is nothing mysterious about this. The trouble with our people is that they have been about as void of thought concerning organization for the promotion of the general welfare as the people of the middle ages were concerning industrial organization. Under the regime of narrow selfishness the policy of "every one for himself and the devil take the hindmost" thought of organization to secure equal rights to all has been, as we are told the earth was at the beginning, "without form and void." It is now time that a broader selfishness should take form. Untouched possibilities await exploration on the new line.

To tell all about this would take too much of your space. If I have said enough already to awaken interest, it would be encouraging to have those interested write me and perhaps much good might come of it.
Indianola, Okla.
FREEMAN BELL.

UNCERTAIN ABOUT THE DOOLITTLE BILL.

Editor Mail and Breeze—I have just been reading Congressman Doolittle's farm loan bill.

From long experience I have been forced to take more or less salt along with bills of this character and this one is no exception. Your comment on the bill seems to me to be exceptionally good, but there seems to be one very important provision left out, as there seems to be no relief for the man who has his land already mortgaged at a high rate of interest and this man certainly needs the benefit of cheap money equally as much if not more so than the man who is getting along without a loan.

Or have I not understood the bill? It looks to me as if the bill, as well as your comments shy at that part of the question. Or is my trolley off? You ought to see Coxe's plan and comment on it. In fact I would like to have you comment on it and how to the line.
Santa Fe, Kan.
B. F. HARTLEY.

I can see no reason why under the Doolittle bill the man with a loan on his farm could not take it up and pay it with his government loan. That would reduce his rate of interest. Indeed that seems to me to be one of the chief possible benefits of the plan.

Truthful James

"Speaking of grasshoppers," said Truthful James, "I see that there are some people a-claimin' that the hoppers are just as bad as they were in 1874. The fellers who talk that way are conversin' through their head coverings.

"You see that little round rock out there in the yard? It's about the size of your fist now. Well, in 1874 that rock was the biggest boulder in this hull country. It was just about as big as this house. Well, the hoppers come on by the millions and the billions and the trillions. They first et up all the corn and other planted vegetation there was in sight, then they et all the grass down to the roots. Then they et up what tools there was about the place.

"I had a mowin' machine settin' out in the yard. After they had et up most everything else, just to pass away the time they tackled that mowin' machine. First they et up all the woodwork there was, includin' the tongue. Then they et up the piston rod and the wheels and iron axles and lastly they tackled the cutter bar and the knives.

"When their teeth hit that sickle bar you could see the fire fly just like when you hit a piece of steel with a flint. The hoppers would go to it and then sort of back off and spit and then come again.

Well, in a short time the sickle bar was gone and then they went after the knives. In a little while about half the hoppers' mouths was bleedin' profusely, but when one cut his mouth so that he couldn't bite any more two other hoppers was ready to take his place.

"In the course of a couple of hours they had finished the knives and all the leadin' hoppers was sittin' back with a look of satisfaction on their countenances pickin' their teeth with splinters of steel. Then the main bunch commenced to look round for something else to eat.

"They saw that big rock and there bein' nuthin' else in sight they went after that. In a minute that rock was covered three deep with hoppers. It sounded like a lot of stone masons workin' on the rock for a foundation. You could just see that rock commence to crumble. In three hours they had et it all up except what you see there.

"It sort of made me hot to see the hoggishness of them blamed hoppers, when all at once a happy thought struck me. I knew they was full of crushed rock and iron and steel and it occurred to me that they would make the finest sort of material for a graveled walk. So I just naturally loaded up 14 wagon boxes full of them hoppers and spread 'em on the walk leadin' down to the main road from the house and then I took a roller and rolled 'em down. The crushed hoppers made the most beautiful walk you ever laid your eyes on.

"But as I say, that is all they left of that big rock. It weighed 4 ton when they commenced and when they quit it was just a little stone weighin' about a quarter of a pound. I have kep it as a souvenir."

Shall Wall Street Run This Country?

Public opinion has crystallized to this extent. It now favors such a change in our laws as will mobilize our bank reserves and render our currency elastic. No other country has so rigid a currency system. Ours provides for increase chiefly by the slow and difficult process of increasing the gold supply.

President Wilson's currency measure, which is far more important than the tariff or any other legislation now before congress, seeks to provide a mobile bank reserve capable of use in times of exigency, preventing financial and commercial panic and the other evil consequences of violent currency contraction which mean hardship for everybody.

No other legislation calls for higher statesmanship than banking and currency legislation. Only two classes, those who dispute the right of the government to issue the money which the people need, and those who distrust the representatives chosen by the people to guard the public welfare, would deny government officials control over the issuance of these emergency notes.

The new plan calls for disinterested management of the currency issue by public servants—not by private institutions. That is what the bankers seem to oppose most bitterly.

No doubt many alterations will be made in the measure submitted to congress by President Wilson, but the general aim is in the right direction. It seems to do what the country wants to see done, namely, the establishment of a system that will bring to the people of the country a modern, scientific, elastic currency.

But still more important is the fact that it will take the control of credit out of the hands of the big financiers.

The plain fact is, the control of credit is dangerously concentrated in this country. The greatest monopoly is the money monopoly. The large money resources of the country are not at the command of those who do not submit to the direction and domination of small groups of capitalists who wish to keep the economic development of the nation under their own guidance.

In the attempt to enact this law the administration will have the stubborn opposition of Wall street. The measure provides the control of the system of banking be public, not private, and vested in the government itself, so that the banks may be instruments and not the masters of business and of individual enterprise and initiative. But when this idea is fully carried out the power of the money kings will be broken and a long step toward economic freedom will be taken. Those who control our money and credit hold in the hollow of their hands the commercial life of the nation. It gives them absolute power in the business world. What do the big bankers mean when they say they are afraid that this currency question will be made the football of politicians? They are afraid the people will rule instead of themselves. Nothing frightens the Wall street crowd like the cry: Let the people rule.

It is up to the people to study this money question so vital to their economic freedom. It is our duty to know what laws we need and to see that congress is our servant, not the servant of the money interests as in the past.

Arthur Capper

Ways=Means=Results

Worked Out by Mail and Breeze Readers

A Yield of Wheat Worth While

Mr. Editor—I have been reading about the good wheat yields made in different parts of the state but so far I believe one of my fields has them all beaten. I had 15 acres that made 750 bushels, or 50 bushels an acre. This ground was listed last summer and disked down with a two-row weed cutter. The seed was drilled in at the rate of 1½ bushels to the acre. The wheat was not pastured.

Oak Hill, Kan. Delmer Noland.

Saving Time With the Hogs

Mr. Editor—I took a large box and after cutting a narrow opening at the bottom the full length of it I built a small flat trough on that side. I use this as a feeder for my small pigs, having it arranged so the larger hogs cannot get to it. There are some pigs at this box all the time but no feed is wasted as they can only get a little at a time. It also saves time for me as I simply need to fill the box now and then. The pigs do the rest.

Anthony, Okla. Fred H. Pettit.

Alfalfa Working On Upland

Mr. Editor—Replying to A. W. of Mountain View, Okla., will say he need have no fear for his alfalfa even if it is 30 feet to water. He should cultivate it with a common weeder, hay rake, or light harrow in dry times so as to maintain a dust mulch on it as long as moisture is deficient. As the alfalfa gets older and more firmly established he should use an alfalfa cultivator at least twice a year. I am using a John Deere alfalfa drag and find I have put the ticklegrass, crabgrass, and weeds out of business. My alfalfa planting of this spring is having a hard tussle with the dry spell but it is still alive. We have had but 3 inches of rain in 18 months.

R. 2, Wichita, Kan. V. R. Kelso.

Make Brooms Closer Home

Mr. Editor—Some time ago a writer in the Mail and Breeze advocated the co-operative manufacture of brooms by producers. Such a move ought to be a big help to broomcorn growers. I am a farmer and broomcorn grower, and also own a shop and complete equipment for manufacturing brooms, so this proposition is of interest to me. I have made brooms for market only occasionally but always had success and found ready sale for my brooms. But farming and broom making do not go well together, and I shall have to give up one or the other. During the last two years I often wished I had followed broom making instead of the plow.

W. B. Stevenson.

R. 2, Cement, Okla.

Silo Building and Filling

Mr. Editor—The history of our western prairies, agriculturally speaking, has been divided into three periods. First came the grazing period on open range. In the second period we practiced single grain cropping until that was no longer profitable. Now we are forced into mixed farming in order to build up our soil again. For 30 to 40 years we have been robbing our soil at the rate of about \$14 for every load of corn and \$16 for every load of wheat taken from it.

Only diversified farming and livestock can solve the problem for us now. Here is where the silo will help out. Stave silos are most common here and they are all right when kept in perfect condition. Their chief advantages are their cheapness and the ease with which they are put up. The disadvantages are shrinkage when empty, swelling when filled and liability to warp and blow down.

The common sense silo which is octagonal and made of 2 by 4's 6 feet long, has given good satisfaction here. The 2 by 4's are nailed flat upon one another, weather boarded on the outside, tarred on the inside, then lined with asphalt roofing.

The cement silo, properly put up, is the most permanent of all and is fire-

proof. But it is also the most expensive and takes longest to build.

A silo should be located where it will be most handy to feed from. The most common place is the middle of one side of the barn with the feedway running at right angles to it. This is better than to put it inside the barn.

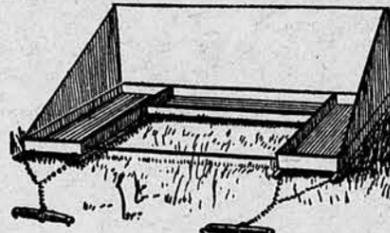
The following table shows the capacity of silos of the most common sizes now being built:

Diameter	Height	Tons Capacity
16	30	120
16	40	180
18	30	150
18	40	225
18	50	310

Corn makes the best all around crop for silage. It has no superior for cattle and sheep but is not so good for horses. Kafir is almost as good as corn and yields a larger tonnage to the acre. Sorghum and sweet corn are not so good on account of the sugar which forms an acid and causes the silage to sour. Any crop with hollow stems is not good for silage as the air cannot be excluded.

The time to fill a silo is when the corn is ripe enough to cut up for fodder. If drier than this water should be added. With a distributor on the end of the blower one man can tramp down the silage. With an average hauling distance of ½ to ¾ mile six men and teams, one man to help load in the

would otherwise have escaped. The dozer will also save a third of the time. The pans are attached to the front, back, cross, and side bars which form the frame, and are supported by the front cross brace. The horses are hitched to the outer front corners and



Gives the Dozer a Greater Capacity.

A header slat serves as a neck yoke. I have made and used this kind of hopper dozer and know whereof I speak.

Woodston, Kan. J. C. Parker.

Sow Rye For Early Feed

Mr. Editor—In relating experiences as to soil, crop and feed saving, fall and spring rye are ahead with us here and may be in other localities. We sow fall rye with our spring rye, using about one-third of the former, when we sow in early spring, and change the other way around in the fall. To use the two together, the spring rye is cut for hay just after blooming is finished. The remaining crop stools, keeps growing and furnishes an abundance of pasture when grass is short. Fall rye is also pastured



This is not a harvest scene in "Old Virginia" as might be supposed. G. H. Binger of Shawnee county, Kansas, had a small patch of wheat on his fruit and poultry farm. He harvested it in the good, old way, with a cradle. Some of the wheat stood shoulder high.

field, one to help unload, one in the silo, one to feed, an engineer, and two binders, would make up a crew that should put up 100 tons of silage a day. Counting the cutting at \$1 an acre, men and teams at \$4 a day each, single men \$2, cutter \$3, and engine \$10 daily, a single day's run would amount to \$57. This would make the silage cost 57 cents a ton for putting up. Where two or three neighbors will buy their machinery and exchange help they can fill their silos with very little cash expense.

Some people wet the top of their silage to exclude the air. Others cover it with wet oats or barley which sprouts and thus seals the top. We simply tramp down the silage every day for about a week and very little of it spoils.

From 1 to 2 inches of silage should be fed off every day after starting. If too little is fed the surface silage will dry out in cold weather and mold in warm weather. Thus you have spoiled silage all the time. Milk cows and 2-year-old steers will eat about 40 pounds of silage a day, yearlings 30 pounds, horses 20 pounds, and sheep 5 to 10 pounds.

Build your silo to suit your herd or buy a herd to suit your silo. Silage can be fed outdoors in winter but it is best all around to feed under cover. Any silage left over in spring can be fed out to good advantage during a dry spell in summer.

Larned, Kan. S. E. Colglazier.

An Improved Hopper Dozer

Mr. Editor—I noticed the hopper dozer described in the Mail and Breeze and it was O. K. so far as it went. But it could be greatly improved by the addition of side pans and shields as I have attempted to show in the sketch. These pans will catch nearly half as many hoppers as the center pan, and these

Drag or Float Mr. Hamm Uses.

Use 2 by 10-inch stuff. Make sides 14 feet long. Brace with two 1 by 12-inch boards 18 feet long, run diagonally from corner to corner. Put on a box for picking up stones. Hitch four good horses to drag and go diagonally across the field.

is stacked. Then mash the clods with a heavy field drag made the same as a road drag, except that the boards of which it is made should be slanted at an angle of 45 degrees. Use 2 by 10-inch stuff in making this drag, making the sides 14 feet long and the three crosspieces each 8 feet long. Brace with two 1 by 12-inch boards 16 feet long, run diagonally from corner to corner. Put on a box for picking up stones and to this drag and go diagonally across

the field. This will level the field, fill up holes, fill the dead furrow, mash the clods, and do more towards preparing an ideal seed bed than could be done by going over it many times with the harrow.

After the field has been thus leveled harrow after each rain to keep the earth loose on top and to kill weeds and grass. Continue this until about September 1 to 15, then sow the wheat."

Silo Chute at Small Cost

Mr. Editor—I think I have the best and cheapest silo chute I ever saw. I took some light wagon tires and had them cut and bent in the form of a half circle, leaving them 6 feet long over the outside. At each end there was a 5-inch foot with two holes drilled through. Lag screws were used through these holes when the chute was fastened to the silo wall. Each bow had five holes drilled in it and one bow was used every 6 feet.

I bought three pieces of corrugated iron roofing, 26 inches wide, lapped them over one groove, and bolted together with stove bolts 8 or 10 inches apart. Then I laid the roofing over the bows and bolted them together with stove bolts, putting them through from the inside. I made the chute as long as required then fastened a pulley at the top of silo and hoisted it up all ready to put in the lag screws.

LaHarpe, Kan. G. G. Dick.

High Curbing For Pit Silos

Mr. Editor—I want to tell the Mail and Breeze readers how I raised the curb of my pit silo 15 inches above ground, at a cost of 70 cents for two bundles of laths. My silo is 12 feet in diameter. I gathered some old inch boards and sawed them into 15-inch lengths. These were laid out side by side, 2 feet apart. Then I began nailing on the laths, beginning at the bottom. One must be sure to get started square and to break every other joint. This form can be made in one or two sections. After nailing it together it was bent around to conform with the inner edge of the curb trench. To keep it from pushing in a short piece of board was laid on the ground with the outer ends against the strips. Stakes were driven in the ground at the inner ends to hold the braces firm. Laths were then cut in two and toe-nailed to the top of the strips at one end and the corresponding brace on the ground at the other. This held the top of the form firm. A form for the outside may be made in the same way but there is no need of it as one can bank up the earth as the concrete is put in and this will do almost as well as if a form were used. I started the first pit silo in Thomas county but several farmers have followed suit now.

R. 1, Colby, Kan. J. A. Day.

How Did the Cholera Get In?

Mr. Editor—A farmer makes the following inquiry: "Up to two weeks ago there was no illness among my hogs but now they have cholera. I can't figure out where they got it. The pig pens are built of stone, located on a considerable raise of land, which is underlaid with sand and gravel, with a decided fall to a river bottom pasture. Each one of these pens has from 2 to 6 acres of pasture. In each of the pens I arranged for a wallow which is supplied with running water, the source of which is from springs along a bluff above these pens. There is a continuous flow of fresh water through the entire pasture. None of the men who care for these pigs has ever visited a ranch where pigs were kept. These pigs have been fed from the kitchen waste, alfalfa green and dry, and an occasional bran ration."

Your hogs have evidently been given more than ordinary care, but one important source of infection has been overlooked. The kitchen garbage may contain the pork rinds from infected hogs, and this probably is how the hogs became infected. Less than one-half of the meat consumed in this country is subject to any sort of competent inspection and it is the practice among hog raisers, to rush the hogs off to market as soon as cholera appears among them. You must cook the garbage or take chances with hog cholera.

George H. Glover.
Colorado Agricultural College.

How to Invest for Safety and Large Profits!

Readers of the Mail and Breeze and all other Kansas investors no longer have to be warned against investing their money in Wild Cat propositions. Costly experience has taught many of them the absolute worthlessness of such investments—and now the famous "Blue Sky" law of Kansas makes it dangerous for such fake investment propositions to operate in Kansas, and as a result such offerings are now few and far between.

But it requires more than **safety** to provide the ideal investment! A wise investment is one which insures **both safety and profit**. And the **ideal** investment is the one which offers **the highest degree of absolute safety and the largest possible percentage of annual profits!** We believe—and hundreds of prominent business men of Kansas and Okla. agree with us that the stock of the Kansas Casualty and Surety Co. is an **ideal** permanent investment, more so than **any other** available today!

We Invite You to Become a Stockholder in the KANSAS CASUALTY and SURETY COMPANY—Only Company of Its Kind in Kansas!

CAPITAL, \$500,000.00. ASSETS MUST BE INVESTED AS PROVIDED BY LAWS OF KANSAS.

When you consider these cold facts—that more than \$24,500,000 was paid in premiums to casualty, surety and miscellaneous companies from the states west of the Mississippi River, that more than \$11,000,000 was paid by the people of Kansas alone in 1912 to old line insurance companies—that the Kansas Casualty and Surety Company, an old line stock insurance company, has been organized for the purpose of keeping the greater volume of these millions of dollars and the profits on this business in

the west instead of sending them to the eastern companies—and that The Kansas Casualty and Surety Company is the only company of its kind in the state of Kansas—when you consider all these facts you must admit that the stock of this company offers an **unusually attractive, permanent investment opportunity.**

We are equipped to give the very highest class of service in the writing of surety bonds, fidelity bonds, burglary insurance, health insurance, accident insur-

ance, plate glass insurance, etc.—and we are now equipped to go after this business in the way that should bring unusual returns for our stockholders.

We are doing a fine business **right now**, and have over \$500,000 in assets on our books. There is a limited quantity of our capital stock yet to be sold and if you have a few hundred or a few thousand dollars which you want to invest where **undoubted security and utmost profits** are available, you should investigate the stock of this company **NOW!**

More Than 700 Bankers, Business Men and Farmers of Kansas and Oklahoma Have Invested in the Stock of This Company.

This is a **home** company, owned by **home** people! Seven hundred of the best known bankers, business men and farmers, of Kansas and Oklahoma **own and control** this company. It is not a "foreign" proposition with officers and directors unknown to you. Every officer and director in this company is well and favorably known throughout every part of Kansas and Oklahoma and every man has a record which will stand the closest investigation.

In fact our organization and operating plans have been investigated most carefully by scores of our investors, and we will gladly send you written reports giving the results of such investigations. You will be in **good company** when you join the seven hundred other Kansans and Oklahomans as a stockholder in this company.

Now Doing Big Business--Wonderful

Future—Every Dollar of Invested Capital Amply Secured—Kansas "Blue Sky" and Insurance Laws Mean Protection to You.

The business of this company is not wholly a thing of the future. We are in business and operating at a **profit right now!** We are authorized to do business not only in Kansas, but also throughout the entire United States, and are rapidly securing agents for all unoccupied territory and from all indications this company has before it a wonderful future!

We are obliged to operate in strict accord with the Kansas "Blue Sky" and Insurance Laws—laws probably more strict and more in favor of the **investor** than the laws of any other state in the Union. We feel sure we can convince you as to the **absolute safety** and wonderful profit possibilities of an investment in the stock of this company.

Send Coupon For Free Descriptive Literature and Details of Final Stock Offer!

We haven't room here to give you all the facts you will want to know before you could decide for or against an investment in the stock of this company. We have a number of descriptive booklets, reports and statements, written in plain, everyday language that the average citizen as well as the banker may easily understand. We also have a very convincing array of letters of endorsement from some of the best investment authorities of the West. We want to send you all of this, free and postpaid, and give you some special information which for want of space we cannot give here as to the **price of stock, payment terms, prospective dividends, etc.** Your request for this literature places you under no obligations whatever. We simply ask the opportunity to convince you that we have the ideal investment for which you have long been searching. Clip the coupon and use it today. Address,

Onstad & Craiglow Organizers The Kansas Casualty & Surety Co., 412 Bitting Bldg., **Wichita, Kan.**

OFFICERS AND DIRECTORS

- | | |
|---|--|
| J. C. O. Morse, President, Hutchinson, Kansas. | J. W. O'Neill, Sec'y and Treas., Wichita, Kansas |
| E. S. Chenoweth, McCracken, Kansas. | Louis Walton, Wichita, Kansas. |
| Fred Taintor, Englewood, Kansas. | Fred B. Stanley, Wichita, Kansas. |
| J. H. Onstad, Wichita, Kansas. | W. E. Craiglow, Wichita, Kansas. |
| F. C. Hoyt, Cestos, Oklahoma. | W. G. Fink, Fredonia, Kansas. |
| Tom K. Bell, Peck, Kansas. | R. B. Cochran, Hutchinson, Kansas. |
| H. L. Enoch, Wichita, Kansas. | Judge Wm. Easton Hutchison, Garden City, Kan. |
| Senator E. F. Porter, Pittsburg, Kansas. | Hon. Fred Robertson, Atwood, Kansas. |
| F. A. Mosher, Sentinel, Oklahoma. | R. B. Rutherford, Gate, Oklahoma. |
| C. F. Pohlman, Ellsworth, Kansas. | Arthur Capper, Topeka, Kansas. |
| Fred B. Stanley, Wichita, Kansas, General Counsel. | W. S. Moore, Wichita, Kansas, Actuary. |
| W. A. Phares, M. D., Wichita, Kansas, Medical Director. | |

ONSTAD & CRAIGLOW, Organizers,
The Kansas Casualty and Surety Co.,
412 Bitting Bldg., Wichita, Kansas.
Gentlemen—Please send me full information regarding the investment offer of the Kansas Casualty and Surety Company as advertised in the Farmers Mail and Breeze.

My Name

Address

Occupation

The Joy of Being Alive

Too Many Persons Start the Day Wrong—
Too Few See the Sunshine

"Life is just a disappointment," said a woman who had really a great deal to make for happiness.

"Then you do not live right!" answered her friend, a woman who had borne much—even disgrace for one she loved—with fortitude.

"Do you mean to tell me every one can be really happy?" exclaimed the woman.

"I am!" answered the friend. "And I have taught my children to be."

"Teach me, too, if you can."

"My dear, you have got to learn to enjoy every little bit, and just one bit at a time. When you waken, be glad you can get up—that you need not be chained to a bed of sickness or pain. Enjoy preparing the breakfast; it is really the finest meal of the day if you take it happily.

"Watch the out-of-doors, and see its beauties—the majestic storm, the caressing sunshine and singing birds, the glorious sunset; it you chanced to be traveling in a foreign country, you might see these same things and call them wonderful.

"Enjoy each piece of work as it comes. Nothing is really bad to do if we think right about it. Some of it is a little strenuous, but think of the beauty of lines of gleaming clothes, of rows of smoothly ironed garments, of glistening windows and dishes, of well made beds and well-dusted furniture.

"Once there seemed no happiness in the world for me. But I determined to get happiness out of mere living. I made my bed with exquisite care, so that I loved to get into it at night. I set my table as if for a guest, and learned to enjoy my simple food. I liked my new clothes however simple they were, and my household furnishings however inexpensive.

"I enjoyed my neighbors, and my own family. I enjoyed every book and magazine as if it were the only one I possessed. I enjoyed my simple recreations as if they were rarely unusual. What gratifies me most is that the children have fallen into the same habit. 'Nice bed,' baby says, and pats her pillow. Then she nestles down contentedly, and drops off to sleep. It is not a disappointment for her to go to bed!

"Let's have a picnic, Mother," Robert is very apt to say. Then we pack a basket of plain, wholesome food and sally forth. We have no horse or power boat with which to travel, but we walk or row to some secluded spot, gather sticks

PANTRY CLEANED

A Way Some People Have.

A doctor said:
"Before marriage my wife observed in summer and country homes, coming in touch with families of varied means, culture, tastes and discriminating tendencies, that the families using Postum seemed to average better than those using coffee.

"When we were married two years ago, Postum was among our first order of groceries. We also put in some tea and coffee for guests, but after both had stood around the pantry about a year untouched, they were thrown away, and Postum used only.

"Up to the age of 23 I had been accustomed to drink coffee as a routine habit and suffered constantly from indigestion and all its relative disorders. Since using Postum all the old complaints have completely left me and I sometimes wonder if I ever had them."

Name given by Postum Co., Battle Creek, Mich. Write for booklet, "The Road to Wellville."

Postum comes in two forms.
Regular (must be boiled).

Instant Postum doesn't require boiling but is prepared instantly by stirring a level teaspoonful in an ordinary cup of hot water, which makes it right for most persons.

A big cup requires more and some people who like strong things put in a heaping spoonful and temper it with a large supply of cream.

Experiment until you know the amount that pleases your palate and have it served that way in the future.

"There's a Reason" for Postum.

for a fire, and cook our simple meal. We get close to Nature, and I never hear a repining word. We all enjoy it thoroughly.

"Both boys and girls enjoy all sorts of weather; all sorts of experiences. The girls take actual delight in seeing how pretty they can make their inexpensive gowns. The boys are proud when they can add some home comfort from their little workshop.

"There will of course be troubles for each of us. But if we persistently enjoy each minute of the day as it comes, there will be little time left for repining—and repining never helps a misfortune."

Benefits of Rotation Crops

Mr. Editor—There are many reasons why a crop rotation is beneficial. To some extent different crops demand different foods from the soil. A leguminous crop requires much less nitrogen than a cereal crop, or another plant may require more potassium than the one preceding it. Some of the deep-rooted plants will send their roots down far enough to get food that more shallow-rooted plants would be unable to obtain.

All crops belong to one of two classes—nitrogen gatherers or nitrogen conservers. All common crops except the legumes (alfalfa, clover, cowpeas, etc.) take the required nitrogen from the soil, while the legumes draw it from the air, the stubble and root decay transferring it to the soil. As nitrogen is a costly element in the soil, this fact alone is of importance in crop rotation.

Then in growing the same crop each year there is a tendency for the diseases and parasites which attack that particular crop, to increase. Rotation tends to check if not stop these troubles entirely. In some of our crops a large number of weeds grow, while in others the weeds are overcome, by their hardy growth or by shading the ground, and thus hinder or even entirely prohibit their growth. A rotation of crops may be planned to maintain the supply of humus (decaying vegetable manure) produced by the rotting of organic matter in the soil. This not only increases the amount of plant food, but it improves the texture of both sandy and clay soils. It also lessens the necessity of fertilizers to a great extent.

The rotation should adapt itself to the farmer's business. If he is a dairyman or stock raiser it must tend toward the support of livestock. If grain is the principal crop the rotation should be developed in that direction. It should be a rotation well adapted to the need of the soil. Some land needs one kind of plant food restored to it, while other land may be lacking in other respects. Study your soil and determine what it needs.

B. J. McFadden.
Stafford, Kan.

Benefits of Disking Early

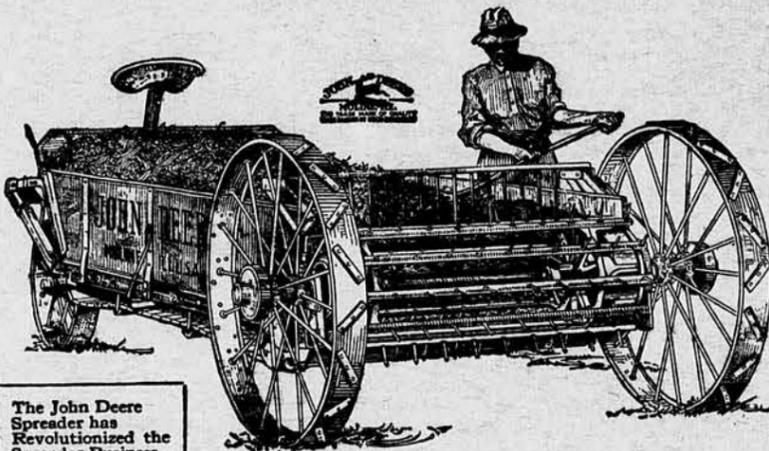
Mr. Editor—I believe the thing to do is to disk wheat stubble right after harvest, whether there is any moisture in the ground or not. If there is moisture the disking will form a surface mulch and hold it, while if there is none, disking will at least knock out the weeds, and when rain does come, the soil will be in good condition to absorb all the water that falls. And it is time well spent to run over this disked ground with a harrow after the first rain. If there is moisture in the disked ground it will stay there until you get it plowed, if you do not wait too long.

If one has only a small acreage, plowing right after harvest will do as well as disking. After plowing disk the ground, weighting the disk enough to cut through the plowed surface. Then run your packer over this and very little moisture will escape. Harrow well before seeding. Some will say this is a good way to prepare your soil so it will blow away the next spring but if wheat is sown in time to cover the ground not much of the soil will shift. If it begins to blow run several lister furrows across the end of the field from which the wind is blowing. I tried this method this spring with good results.

Ben B. French.
Tyrone, Okla.

John Deere Spreader

The Spreader with the Beater on the Axle



The John Deere Spreader has Revolutionized the Spreader Business. Here are Some of the Reasons:

The Low Down Spreader with the Big Drive Wheels

What You Want

Here's your chance to get exactly what you want in a manure spreader.

One that is easy to load, light for your horses free from constant repairing, and one that will last as long as you think it ought to.

What You Get

With a John Deere you get a low-down spreader in which the advantage of big drive wheels is not sacrificed for the low down feature.

You get a spreader that is easy for your horses because it has these big drive wheels, together with roller bearings, few parts, the center of the load comparatively near the horses and evenly distributed over all four wheels.

No clutches to get out of order, no chains to give trouble, no adjustments necessary.

Built with steel frame, securely braced, like modern railway bridges—strong and durable.

Why You Get These Things

Mounting the beater on the axle makes all these things possible in the John Deere Spreader.

It does away with some two hundred troublesome parts. It makes the spreader low down. It permits the use of big drive wheels. It does away with clutches, chains and adjustments. It puts all the strain and stress of spreading on the rear axle, where it belongs, not on the sides and frame of the spreader.

It does a lot of other good things, too. They are fully illustrated and described in our new spreader book.

Get this Spreader Book

It tells how the John Deere Spreader is made and why it is made that way. It contains illustrations of the working parts and colored pictures of the John Deere Spreader in the field. It also has valuable information in regard to storing, handling and applying manure to the land.

Get one of these books free, by asking us for our spreader book, Y 12



John Deere Plow Co., Moline, Illinois

Write for this Free Book and grow rich Baling Hay!

Stacks of ready cash waiting any man of fair intelligence! For baled hay brings fancy prices. And every grower in your district will pay you handsomely to bale his.

Yes, here's the very business for you—for your boys! "Net profits per day \$18 to \$22" write Swartz & Mensch, Dixon, Ill. Scores now making \$200 to \$300 clear profit monthly! And these men are their own boss.

You, too, can earn independence. You, too, can start with small capital and soon pay us from your profits. But you must have the

Sandwich (money maker) Motor Press

Each year hay press buyers are more careful. They demand better machines with bigger tonnage. Yet each year Sandwich sales have gone ahead—by leaps and bounds. For under every working test, the Sandwich beats all ordinary presses 2 to 8 tons daily. 25 tons are an every day job for the Sandwich, and 30 to 40 if you hustle.

Gas Engine on Same Truck

This combination makes the Sandwich Solid Steel Motor Press the most complete hay baling outfit in existence. You can't wear it out and it doesn't break down. The heavy steel roller driving chain does away with slipping belts—with their dangers and delays.

Gas Engine is high grade, hopper cooled

type, gear driven magnets, 4, 6, 8 or 10 horsepower—and develops more than rated.

Simple Time-Tried Self Feeder

Rises high up out of the way of the operator and will stand hard crowding. The motion is slow, steady, sure and strong. And rain or shine the bales come out slick, clean and solid—from 1 to 2 a minute. It's great for windrow work.

Write for "Tons Tell"—now FREE

This surprising book—free to those who are wide-awake—tells you the enormous profits waiting the touch of your hand. What hundreds like you are doing—you can do. So write for it today.

Can Stop Instantly

2 1/2 to 3 1/2 tons per hour

Solid steel Coupled up short

Box 180, Council Bluffs, Ia.

Box 180, Kansas City, Mo.



If you're interested in Horse Power Hay Presses, steel frame or wood, large or small, ask about our big line of these.

Sandwich Mfg. Co., 180 A St., Sandwich, Ill.

"Topping" With Baby Beef

By W. J. Sayre

I have made baby beef pay for five years. Success in making baby beef depends on beginning with stock that is well bred. It matters not if they be blackskins, whitefaces, or red, white and roan; if they have early maturity bred into them you have a sure foundation. The long, lanky type may put on pounds enough but will never acquire the finish that makes them sell at the top. I have fed Shorthorns at Elmhurst for five years and without exception have topped the market at Kansas City when they were sold. These calves were all high grades, sired by good, purebred bulls of modern type. They are usually taken from the cows the first week in October and shut in a lot by themselves. There they have all of the last cutting of alfalfa they want. The second day I begin giving them a little grain. I have found they will eat cracked corn before anything else, even preferring it to shelled corn and oats. About half of them will taste the feed the second day and by the third or fourth day all of them will be eating it. This is the time to "make haste slowly." If the calves do not eat all I give them I throw the remainder to the hogs. I find it useless to offer feed to them a second time. I give them a little less at all times than they will clean up. Their feed is increased gradually as their appetites grow and by January 1 they are getting 10 pounds of corn per head. If more than this is fed some of the calves are very apt to get off feed and that gives the rest more than they should have. If some of them become gorged the whole thing is in a seesaw until normal conditions again prevail.

About March 1 usually the calves are getting 12 to 13 pounds of grain. I have never fed a bunch that will eat more than 14 pounds at the finish. I feed them the best alfalfa we have and do not make them eat all the stems. It is not much trouble to clean out the sters twice a week and give them to stock cattle or horses. I feed them fresh hay twice a day before they get their grain. If fed grain first some of the calves are sure to leave it and go to the hay as soon as they get it, and will thus not get their share of grain. For three years I have kept complete records. The calves are fed from 200 to 225 days after weaning and the cost

of feed has averaged \$26 per head for all feed consumed. They have averaged a daily gain of between 1 19-20 to 2 pounds per head from the day they were weaned till full and fat. They have made this gain on an average daily feed of 9 pounds of grain, or 12 pounds of grain for each bushel of corn consumed. The net profit after weaning has ranged from \$25.50 to \$40 per head. I figure that the hog feed and manure offset my work.

The chief ration is shelled corn. If available I have found it good to mix oats with the corn during the first part of the feeding period. I have fed some kafir with good results. Last year I tried some cold, pressed cottonseed cake and shall feed more of it this year. It is useless to grind corn for calves except when getting them started and possibly at the finish.

The calves have an open shed facing south, that furnishes room for all. When there is snow on the ground we haul in straw for bedding. It pays well to give them a good bed for cold, wintry days and nights. Another thing that pays is to be systematic in feeding. Calves get hungry at certain intervals, just as we do. If they are not eating, drinking or lying down they are not making money for you. Good breed and good feed will make the packer's buyer remember you and when you get your price it may make you feel so good that you will telegraph your wife the results.

Elmhurst, R. 1, Cedar Point, Kan.

When Serum Causes Trouble

Better to run the risk of hog cholera than to vaccinate weak animals, pregnant sows, or hogs kept in unsanitary surroundings, by the simultaneous method. This is the advice from the Kansas Agricultural college after receiving several reports of losses for which the serum treatment was blamed. Investigation of these apparent failures showed that the trouble seems to have been caused by improper use of the serum and the vaccinating of animals not in good enough condition to resist the effects of the treatment.

Vaccinating hogs against cholera is a particular job at best and Dr. Schoenleber advises against it unless the hogs' quarters are reasonably clean. "The wound made by the needle used in vaccinating is likely to become infected under such conditions," he says. "As a result the vitality of the animal is reduced to such an extent that the hog develops an abscess at the point of inoculation from which it may die, or, in this weak condition, a case of cholera which the serum is powerless to prevent is developed. Or, as in many instances, ordinary blood poisoning results.

"In using the simultaneous method the pig is virtually given a slight touch of cholera which causes a high temperature in the animal. Thus for a time its vitality is reduced and it is much more susceptible to other influences. It will catch cold easily and may develop a case of pneumonia. Or, in feeding, it may not be able to digest completely, the full regular amount of feed and if it should happen to be affected with worms or other parasites this would afford the parasites an excellent opportunity to give trouble.

"The history of some of these outbreaks shows that when pigs are vaccinated with the simultaneous method too young, say under 50 pounds, a good many will outgrow the immunity and if they are exposed to cholera 8 months to a year afterward, they may develop the disease. As a result of our investigations I would advise that the simultaneous method be not used upon weak animals, pregnant sows or any hogs in unsanitary pens. The serum-alone method can be used to ward off cholera but this should be followed as soon as practicable with the simultaneous treatment. Serum alone does not injure the animals if they are properly handled."

If you need anything not advertised in this issue of Farmers Mail and Breeze, write us and we'll tell you where you can get it.

Cheer Up, Folks

CHEER up, folks. To hear some persons talk, to read some pessimistic papers, you might suppose Kansas the only state in the Union where the weather grows hot and the corn plant droops—sometimes.

Don't you believe it, neighbor. If it weren't mighty poor taste and unethical we might tell about some states in which Kansas conditions—right now—would be welcome.

Cheer up. The wind may be hot and the corn may fall, but great goodness, neighbor, you've still got the land and your health and those about you who think you're the best fellow on earth. Isn't that something?

You can grow enough feed between now and October to fill your silo or your sheds if only you'll be cheerful, hitch up and work.

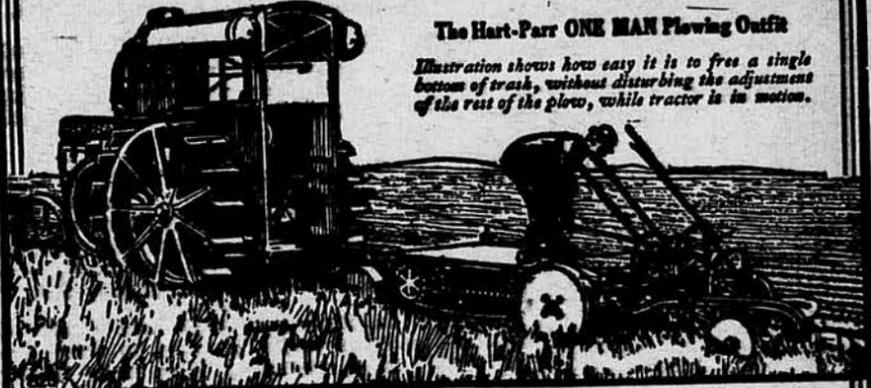
Even the bankers have to work. And that reminds us. Don't worry about the notes. Bankers lend money as a business. If you didn't borrow they'd starve. They like money better than land, and therefore they'll renew your note. But don't go to your banker with your face gloomy. Go like a man who's bound to win. Have confidence in yourself and in Kansas. The banker won't turn you down.

Cheer up. You're in the best state in the nation, and you ought to be mighty glad you're alive and able to hustle.

The rainy days are coming, never fear. The Lord never had a grudge against Kansas. Don't you harbor one.

Cheer up, folks.

Make Every Acre Pay Biggest Profits



The Hart-Parr ONE MAN Plowing Outfit

Illustration shows how easy it is to free a single bottom of trash, without disturbing the adjustment of the rest of the plow, while tractor is in motion.

Deep, Early Fall Plowing

Superior and Original Features of Design Found Only in the small, light Hart-Parr Tractor and Self Lift Plow.

Tractor—Lightest weight, yet great strength. Only 300 parts—others have 600 to 1500. Main frame is a strong, one-piece casting. Drive wheels with wonderful wave form logs, are solid steel castings—not built up or pieced. Driver logs give 31 percent greater surface contact than any other. Can be equipt with Hart-Parr "Hold Fast" extension logs, the logs with a ball dog grip in soft soil. Especially designed carburetor operates efficiently on cheapest horse-oil.

Plow—33 1/2 percent lighter than any other and has one-third less parts. Combined automatic and hand lift. To raise or lower bottoms, merely pull a rope attached to clutch lever. Any one bottom may be raised with hand lift attachment without disturbing adjustment of rest of plow. Spring beam coupler enables plow to skid around or over obstructions and prevents breakage.

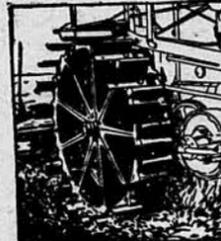


Illustration shows how Hart-Parr "Hold Fast" logs grip the ground and pull out straight away without tearing up the soil.

94A

is the foundation of an ideal, mellow seed bed—one that is best for seed germination and growth. But early fall plowing that is deep enough to secure best results would ruin the sturdiest horses and prove a costly operation. Instead of risking your horses, do your fall plowing with a

HART-PARR OIL TRACTOR

and save time, labor and money. The small light tractor and "Self-Lift" plow shown in the illustration make an ideal One-Man Outfit for farms of 100 to 320 acres. You operate both tractor and plow right from the engine platform. Easily plow 10 to 15 acres daily—6 to 8 inches deep—the work of 12 good horses. At the outfit 24 hours daily, if necessary. It never tires or gets overheated.

Fall Plowing Means Bigger Profits

With this outfit, you can follow up harvesting and threshing without delay and kill injurious weeds, insects, grubs and bugs before they do any damage. You can turn up new plant life, conserve the rainfall and distribute your farm labor more evenly over entire year. When spring comes, your rush work is a simple task instead of a heavy round of hard work. Your plowing is done—you need only disc and seed and do it with this same tractor. And no matter how wet or backward the season, with your plowing out of the way, you can get your seed in several weeks earlier and give it a better start.

Power for All Farm Work

And remember—this Hart-Parr Tractor is more than a one purpose outfit. In addition to plowing, use it for discing, seeding, harrowing, harvesting, threshing and hauling; fill silos, shell corn, in fact, do all your traction and belt work with it.

We build a size for every farm, large or small. We can meet your power requirements. Hart-Parr "Self-Lift" plows can be equipt with lister bottoms at slight expense. In using listers on the 4-bottom plow, the two middle beams and bottoms are quickly removed and listers easily attached to outside beams. You can then list deep. The ground thrown up covers all weeds between furrows and a first class job results.

Write today for catalog, special circulars and expert information on power farming costs.

HART-PARR CO., 234 Lawler St., Charles City, Ia.

Guaranteed Seed Corn Dryer At Special Bargain Price.—

A new invention lately patented, now the most popular on the market. Made on most scientific principles, most convenient. Lowest in price. Cheaper than homemade dryers. Each dryer holds 200 ears. Crimped wire through cobs aids drying. Each ear separate, only two kernels of butts touch. Special price.

\$1.50 Each, Shipped Prepaid On 30 Days' Trial

One hanger complete holds 200 ears, price \$1.50 each, 3 for \$4.25, 6 for \$8.00 or 12 for \$15.00. Sold on 30 days' trial, which means money back if dryers are not as we claim, namely, the handiest, most practical, best made hanger on the market. Money back without quibbling or argument.

Send Your Order Today Or Write for Free Offer

You take no chances. Our money-back offer protects you. The publisher of this paper guarantees you a square deal. If you want to investigate before you buy send us your name and address for full particulars. Also get our offer whereby one farmer in each community can get one of these dryers free. Address

Farmers Specialty Co., 66 Linn St., Iowa City, Iowa

Sales agents wanted. The time Seed Corn Dryer sells itself on sight.

One Farmer In Each Community Can Get a Dryer FREE—



The PERFECT CORN HARVESTER

SOLD DIRECTLY TO FARMERS
\$18.00--Freight Prepaid



The correctly adjusted machine to cut for shock or silo.

Works in all kinds of corn and on all kinds of soil.

No breaking off of ears or pulling of stalks. Absolutely safe.

Out from five to ten acres a day with one man and one horse.

Kerrick, Ill., Nov. 18, 1912.

I take great pleasure in recommending the Perfect Corn Harvester to anyone who has corn to cut.

I used two machines purchased from you in corn that would make 60 bushels per acre.

Two machines, two men and two mules cut 40 acres of corn averaging 60 bushels per acre and cut 96 shocks per day.

16 hills square, and fed three car load of steers every day, besides doing other chores, and were all through with their day's work by six o'clock every night.

I would be glad to have you refer anyone to me for any further information. Very truly, L. H. Kerrick.

Send today for booklet on "Cutting Shock of Silo Corn."

LOVE MANUFACTURING COMPANY,
Dept. 18, Lincoln, Ill.

SECURITY CORRUGATED METAL GRANARY

is strong and easy to put up. It is rat, fire, water and thief proof, and is built to stand the knocks of rough farm use.



It has a double door, and a manhole in the roof. A hopper and a spout furnished free.

The perforated tube ventilation system, with outside connections, allows air to circulate through the grain, drying and keeping the grain with perfect security.

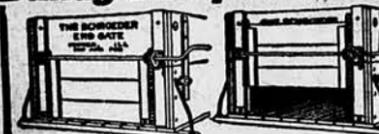
We pay the freight to your station. Write today for free circular and prices.

KANSAS CULVERT CO.,
501-2 N. Tenth St., Salina, Kansas

30 Days FREE Trial Full STEEL WHEELS

Empire Steel Wheels are strongest, most durable, best in every way. If they were not we would not dare ship a full set for a 30 days' free trial. We know that actual use will prove how indispensable they are. Will make your old wagon good as new—lighten your work—make hauling 25% easier—save money because they never need repairs. All sizes, fit any axle. Write for big free book and particulars of our Free Trial Proposition; also special offer on new model Empire Handy Wagons—20 styles. Write today. **EMPIRE MFG. CO., Box 75B Quincy, Ill.**

Dandy Dump End-Gate



Crank-Controlled; fits any standard size wagon. No extra bolts or attachments. Regulates the flow of grain. Saves your time and breakage. Write for our free crib plan. **MINIER END-GATE COMPANY, Dept. 200, MINIER, ILL.**

Save Work, Time, Money

By using our low down steel wheel wagon



saves high lifting, lighten draft, don't rut roads. Spokes don't loosen—wheels don't dry out or rot. Write for free book on Wagons and Wheels. **Electric Wheel Co., 30 Elm Street, Quincy, Ill.**

BUTLER 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 Street, Kansas City, Mo.**

Stud Anchor

For barns, corn cribs, garages, using concrete wall, pier or floor. No sils needed, nothing to rot. Studs bolted to foundation. **Stud Anchor Works, Mendota, Ill.**

JAYHAWKER FARM DOIN'S



BY H. C. HATCH, GRIDLEY, KANSAS.

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

We still are hoping for a good rain. Perhaps before this is read it will have come. A rain within three or four days would mean a pretty good corn crop for us.

We have on hand a nice thrifty bunch of shoats, but from the looks of the weather and the growing corn we don't know whether to consider them an asset or a liability. Should the corn fail even 8 cent hogs would cost all they came to.

In other days, when corn brought 25 cents a bushel we used to carry over quite a quantity. Then many farmers tried to keep nearly a year's supply of corn ahead but now the bottom of the cribs is scraped before new corn is hard enough to feed. If ever we get a full crop again we are going to try to store a little of it.

A trip to Topeka last week disclosed a corn crop suffering for moisture all the way there. It looked very dry around Reading but we see by this morning's paper Reading had 2 inches of rain last night. Lucky Reading! A 2-inch rain is a matter of state news this year.

Up in Shawnee county tame grass furnishes most of the pasture. This makes fine feed when it rains but in a dry season like this one good old prairie grass cannot be beaten. Down here in the prairie grass belt we still have plenty of grass in the pastures but up in Shawnee it looks as if the cattle ought to be fitted with a set of extension teeth.

Just about half of this part of the country is still in native prairie sod, and with each succeeding year we are more and more thankful that it is. When we first came here everybody was making a special effort to get as much of this sod broken out as possible but now everyone is thankful that breaking plows were scarce then.

A reader writes from Clifton asking which is better for the coming wheat crop, plow the land in the old way, or list and later work it down. Our choice would be plowing, especially if the acreage to be plowed is small enough so the work can be done in good time. Sometimes a heavy rain falls when a large acreage has to be prepared; a good plan then is to jump in with the lister and save this moisture. Afterwards the land may be worked down. But to put in a wheat crop with the lister requires about as much work in the end as if the land had been plowed.

We never have listed any ground for wheat but have talked many times with those who have. They say the land should be listed 'round and 'round the field, winding up in the middle. When it is worked down, the furrows should be followed in the same way and the drill should follow the furrows. When it is cut the binder or header should go 'round and 'round as the lister did. In this way all the machines will run smoothly and the draft will be lessened considerably.

The disk plows in use here this summer are doing good work. They seem better than the disk plows put out several years ago and there is no question that they leave the land in good condition. The draft is nothing as compared with a moldboard plow cutting the same width and depth. The furrow horse does not have a good place to walk, but one can overlook that when he considers how light the draft is. The disk plow does great work in dry weather but is not of much use in a wet spring.

A reader of the Mail and Breeze 'way down in Corpus Christi, Tex., asks a number of questions about Sweet clover. He has land in White county, Arkansas, and wants to know if we think Sweet clover would thrive that far south. We see no reason why it should not. The roads and cuts of northern Arkansas are

filled with a good growth of Sweet clover. It will do best where there is some lime in the soil but gathers its nitrogen from the air. It could be sown there either in the spring or fall; here spring is the favorite time for sowing. Many fields sown last spring made good stands. We have seen no failures.

In the latitude of Arkansas we should sow Sweet clover in February. The ground needs little work; just a little dirt to cover the seed is all that is needed. One field here was sown last February on the snow, on ground that had not been plowed for a year, and it made a good stand. Land which was disked and land which was plowed also made good stands.

He asks if Sweet clover makes good hay. Some say it does and some that it does not. It makes good hay if cut at the right time. If cutting is delayed until the plant is woody starvation alone will drive stock to eat it. If it is cut when the clover is just coming into bloom it makes hay almost equal to alfalfa. Men who know, say Sweet clover will inoculate soil for alfalfa. All seed houses handle Sweet clover seed. It is customary to sow about 15 pounds of the seed to the acre.

The last few days have brought a good many inquiries for prairie and alfalfa hay, most of them coming from the western part of this state. We advise buying alfalfa hay from more western points; it looks as if plenty of alfalfa hay could be produced without coming farther east than Newton. If alfalfa was bought here it would have to be from the river bottoms; what is grown on the uplands will be fed out on the farms where it is raised.

Here, at present, the prairie hay situation is this: There has been a great deal of hay raised which will be for sale, but at present quotations the men who have the hay do not feel like selling it. The big hay men, who have barns which will hold from 500 to 1,000 tons are buying up about all that comes in and storing it. One of them bought a carload this week just as it was ready to be shipped, unloaded it and stored it in his barn. He paid \$9 a ton for this hay on the car. Of course he would not sell it for that.

Prairie hay is making about half a ton to the acre on the uplands. Some of the better fields are doing better, but few are making more than three-fourths of a ton an acre. This light yield is increasing the cost of making hay; a half crop costs just as much to cut and rake as a full crop and the men who own the hay land are asking as much, or more, for the standing grass than they did last year for a full crop. The actual expense of putting even a ton of the poorest hay on board the cars here, will run not far from \$7 and the quotation for this grade of hay in Kansas City today is not over \$10, which just about covers the cost. Better hay brings more but not enough so that our hay men care to sell now. We have no hay to sell and know of no farmer who has. We shall be glad at any time to give anyone the addresses of hay dealers here who have hay for sale—when they get their price. Probably there is more hay for sale in this county than in any other county in the state of Kansas, but just at present it is likely hay can be bought as cheaply in Kansas City.

At this time of year some poultrymen find it a good plan to take the roosts out of the henhouse and place them on saw horses near by. This means cooler roosting for the birds and in the day time the hot sun is hard on vermin. When storms threaten the roosts may easily be placed inside.

When in doubt, boil the drinking water.



All types From 1 1/2 to 60 H.P.

"INGECO" Engines

A BIG MONEY SAVER

An engine that you can bet your last dollar on to work right in all kinds of weather—a fuel saver—an easy starter—a steady worker.

The "INGECO" is just that kind of an engine and besides its reliability it has a record for keeping out of the repair shop—it is a marvel of simplicity—there is nothing to get out of order. Once set it runs constantly without trouble.

KEROSENE ENGINES

Find out about "INGECO" Kerosene, Oil and Distillate Engines before you make another move on the engine question—you'll be ahead in money and satisfaction.

International Gas Engine Co.
162 Hothoff Place, Cudahy, Wis.
(Suburb of Milwaukee)

The Heider Tractor Again Leads Them All

Runs Successfully on Either Gasoline, Motor Spirits or Kerosene

We have solved the fuel problem successfully. A simple device permits the use of either Gasoline, Motor Spirits or Kerosene at all speeds and puts our tractor in a class all by itself. A gallon of kerosene runs the Heider Tractor longer than a gallon of gasoline, and develops the same power, thereby doing the same work at less cost than any other tractor on the market.

The Heider Tractor Pays for Itself

Its 4-cylinder motor, light weight, great power, simple operation, economical fuel consumption, make it the best, most practical, all-purpose one-man tractor manufactured. Investigate before buying. Write today for free book on Tractor Farming. **HEIDER MFG. CO., 455 Main St., CARROLL, IOWA.**

A \$55 Saddle for \$38 Cash

Our latest 1910 Swell Fork Saddle, 16-inch swell front, 28-inch wool lined skirt, 3-inch stirrup leather, 3/4 rig, made of best oak leather, guaranteed for ten years; beef hide covered solid steel fork.

The Fred Mueller
SADDLE & HARNESS CO.
1413-15-17-19 Lorimer St.
Denver, Colorado
Send in your name for our 1913 catalogue, now ready.

SELF FEEDER AND SELF-TYER



The Tuttle combined power hay press saves you MONEY. New side self-feed and the self-tyer does it. 2 men can run it. 3 men is a full crew. Fully guaranteed for 12 months. **SELF-TYER AND ALL.**

TUTTLE HAY PRESS CO.,
611 Main St., Pleasanton, Kan.



ADMIRAL POWER HAY PRESS
BALES HAY—SAWS WOOD
GRINDS FEED, PUMPS WATER

WRITE TO-DAY. **ADMIRAL HAY PRESS CO., KANSAS CITY, MO., BOX 37**

22-Cal. HUNTING RIFLE GIVEN

1913 Take-down Patent, with all latest improvements, walnut stock and grip. Shoots accurately 22 long or short, handsome, durable. **SEND \$6 MONEY** Just send your name and address for my easy plan by which you can secure this fine rifle absolutely Free Express Prepaid. Write today. **H. A. SLOAN,** 53 Epitomat Building, SPENCER, INDIANA



Dairy Farming

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

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

The potted heifer becomes a gentle cow.

A silo full of feed will be worth something this winter.

The new calf should have as much of the mother's first milk as he wants. Nature intended it so.

A sheet of paper folded and pinned about the top of the dash churn keeps the cream from splashing out.

Cleanliness is always important but it never goes farther toward making good butter than during dog days.

When a cow has produced 150 pounds of butter she has paid her bills for a year. More than that is clear profit.

Picking up a promising heifer calf wherever one is purchasable, is a good, inexpensive way to round up a dairy herd.

As soon as a cow shows signs of sickness it is the safe thing to stop using her milk until an investigation has been made.

Prompt cooling right after milking and a cool place for it afterward is the secret of keeping milk sweet during hot weather.

Where a cream tester is not available a pair of scales used regularly for a time will give a pretty fair idea of what each cow is doing.

This page is a free-for-all place for our dairy folks to swap ideas and experiences. What is your short cut or handy method with the cows?

To Milking Machine Owners.

Mr. Editor—I wish you would ask Mail and Breeze readers who know anything about them, for a discussion of mechanical milkers. I would like to know what experiences other dairymen have had with them.

Minneapolis, Kan. H. F. M.

Do Cows Need a Vacation?

[Prize Letter.]

Mr. Editor—I think every cow should have a rest of a month or six weeks before calving time. In case my cows are still giving a fairly good flow of milk six to eight weeks before calving I take steps to dry them off. I do not milk them quite dry for a few days and they soon begin to fall off in amount of milk given. Then for three or four days I milk only once a day. After that I milk once in two or three days, being careful that their udders do not get too full at any time. This practice will soon have them dry and I have never had any udder troubles by following it.

Hope, Kan. H. E. Bowers.

Dairying With Modern Tools.

[Prize Letter.]

Mr. Editor—We milk 15 to 20 cows and get an average of about 40 gallons of milk a day, aside from what is fed to calves. We built a cement block milk house over the well and put in a cement floor. A drain takes off the waste water. This house is 16 feet long by 14

feet wide and 8 feet to the eaves. The well is in the southwest corner of the milk house and has a Dempster force pump bolted to a cement platform over it. This platform is 4 feet square and 6 inches thick. In the northwest corner we have a cement water tank made so that two 2-gallon jars will stand side by side. It is 5 feet long and will hold 20 gallons of cream. On the north side of the building we have a 6-barrel cement tank for the horses. The water from the well all goes into the cream tank and runs off into the horse tank outside. We take the cream to the station but twice a week and have no trouble keeping it.

Near the cream tank we have a No. 17 DeLaval separator bolted to the cement floor. We have a 3-horsepower I. H. C. engine that pumps the water, runs the separator, washing machine, fanning mill, cider mill, turning lathe, and any other machine that can be attached to a pulley. The engine has given us no trouble yet. Our line shaft is a 1 1/2-inch gas pipe running the length of the building. It is hung on wood brackets fastened to 2 by 6's overhead. The engine is mounted on trucks and is stationed in an open place in the floor.

E. H. Downing.

R. 1, Attica, Kan.

This and That in Dairying

QUERIES ANSWERED.

(1) What do you consider the best ration for dairy cows during summer, and how apportioned?

(2) At what age should a calf be put on dry feed exclusively?

(3) From a monetary standpoint which are the better, Jerseys or Shorthorns?—C. P., Seminole county, Oklahoma.

(1) The grain ration for cows during summer will depend somewhat upon the kind of roughage they eat. If they run on bluegrass pasture they will do very well on corn or Kafir alone. If they pasture on prairie grass, some bran or oil meal should be fed. A mixture of 3 parts corn or Kafir and 1 part bran will furnish the required nutriment. The proper amount to feed will depend upon the condition of the grass and the amount of milk the cows produce, but they should be fed sufficient to keep up the milk flow.

(2) Calves do best when fed on skimmilk along with the hay and grain until about 6 months old. However, if the whole milk is sold from the farm, or if for any reason there is a shortage of skimmilk, the calves may be weaned when they are 4 months old. At all times they should be kept on a growing ration.

(3) If you have a good market for your product and desire to keep enough cows to consume the feed produced on the farm, it is our judgment that it would pay better to handle Jerseys instead of Shorthorns.

O. E. Reed.
Kansas Agricultural College.

Three Recommended Fly Dopes

INGREDIENTS USED.

Mr. Editor—The fly dope we use is made of 1 part crude carbolic acid, 1 part kerosene, 8 parts fish oil. Mix well and spray all parts of the cow except the udder. When flies are bad in the barn we spray stanchions and walls and it drives the flies out.

H. F. Meiller.
Minneapolis, Kan.

Fish Oil, Kerosene and Suds.

[Prize Letter.]

Mr. Editor—A good mixture to keep flies off cows is made up of 2 parts crude carbolic acid, 2 parts fish oil, 3 parts crude or coal oil, and about half as much soap suds as the foregoing will make. Mix well and spray before milking and the flies will not bother the cows. This mixture will cost about 25 cents a gallon.

J. W. Cool.
Columbus, Kan.

One Good Spraying a Day.

[Prize Letter.]

Mr. Editor—We use a spray for our cows that gives us better results than the prepared fly dopes we have seen thus far. We mix 10 cents' worth of crude carbolic acid in a gallon of kerosene, stirring the two up thoroughly. We spray horses and cows with this mixture once a day and find that it is usually enough. This spray is also fine to exterminate lice and mites. We spray coops, roosts, and houses about twice a week.

John Russell.
R. 1, Benedict, Kan.

DE LAVAL

CREAM SEPARATORS

"DOG DAYS" THE BEST TIME TO BUY ONE

There was never before as good a time to buy a DE LAVAL Cream Separator as right now.

The "dog days" are at hand when dairying is most difficult without a separator and when the increase in quantity and improvement in quality of cream and butter are greatest through the use of a good separator, which with present high prices means even more now than ever before.

Then there is the great saving of time and labor, which counts for more in summer than at any other season and often alone saves the cost of the separator, aside from all its other advantages.

This is likewise the season when DE LAVAL superiority counts for most over other separators,—in closer skimming, larger capacity, easier running, easier handling, easier cleaning and absolute sanitarianess.

A DE LAVAL Cream Separator bought now will easily save its cost before the end of the year, and it may be bought for cash or on such liberal terms as to actually pay for itself.

Look up the nearest DE LAVAL agent at once, or drop us a line and we will have him look you up.

THE DE LAVAL SEPARATOR CO.
NEW YORK CHICAGO SAN FRANCISCO SEATTLE

BEATRICE

Save \$25 to \$40
Also Save Repair Bills

THE CONTINENTAL CREAMERY CO.
Topeka, Kan. Oklahoma City, Okla.

Cream Separator

Lightning Protection

SAVE 1/2

Direct to User by Mail
Rod your own buildings. "Made Right" Lightning Cable is pure soft copper a id extra heavy.

Shipped on Trial
Freight Prepaid
With Complete
Directions. Foot

8 1/2 C.

System guaranteed satisfactory or goods returned at our expense. Write today for catalog.

IOWA LIGHTNING ROD CO. OF DES MOINES, IA, 813 Webster St.

DRY, HOT WEATHER

has no horrors for the Spalding Deep Tilling Machine user. The 12 to 16 inches deep, well pulverized and mixed seed-bed absorbs all moisture falling on it and stores it for the crop to use when needed.

Men in your neighborhood know and use Spalding Deep Tillers on your kind of land. See what they say. Write us.

Spalding Department 89
Gale Manufacturing Company, Albion, Mich.

My Famous \$100 Offer

My special "ONE DOLLAR OFFER" has pleased so many farmers that I have decided to keep it up for another month and thus let everybody take advantage of it. Here it is: You send me one dollar and I will ship you, ALL FREIGHT PAID BY MYSELF, this, my new 1914 Chatham Grain Grader and Cleaner. Use the machine a month. If satisfied at end of 30 days, pay me my low cash price or give me your note, without interest, payable January 1, 1914. If not satisfied, return the machine at my freight expense and I'll return your dollar. As a matter of fact, \$1.00 won't half pay me for the freight. I only want the dollar to hold as evidence of good faith.

Chatham Grain Grader and Cleaner

After 41 years' experience, I know every grain and noxious weed grown in America. I know the section where each one grows. I know every grain and weed that grows on your farm. Experience has shown that a Grain Grader and Cleaner should have the special equipment for the particular farming section to which it goes. For example, I send an entirely different equipment of screens, riddles and gangs to Maine from what I send to California. There are scarcely two states in the United States to which I send the same equipment. Thus you get the exact outfit to handle the grains and weed seed on your farm. If you want more or different screens, I will send them free. Not a penny would I ask for extra screens and riddles.

The Chatham now handles over 70 seed mixtures—wheat, oats, peas, beans, corn, barley, flax, clover, timothy, etc. Takes cockle, wild oats, tame oats and smut from seed wheat; any mixture from flax; buckhorn from clover; sorts corn for drop planter. Removes foul weed seed and all shrunken, cracked or sticky grains. Takes out all dust, dirt and chaff. It is also a bully chuffer. Handles 60 bushels grain per hour. Gas power or hand power. Easiest running mill on earth.

Send postal today and receive FREE by next mail my latest copyrighted book, "The Chatham System of Breeding Big Crops."

Address Dept. 47
The Hanson Campbell Co.
Detroit, Mich.
Kansas City, Mo.
Minneapolis, Minn.

My Free Service Department will separate, clean and grade FREE any mixture you send in. If you've got some impurity in your grain that you cannot get rid of, don't get discouraged. Write me. Send postal for Big Free Book.

\$100
Brings It—
Freight Paid

1914 Model

Only \$2 Down One Year to Pay!

\$24

Buy the New Butter-fly Jr. No. 1. Light running, easy cleaning, close skimming, durable. Guaranteed a lifetime. Skims 35 cts. per hour. Made also in four larger sizes up to 5-1-2 shown here.

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

ALBAUGH-DOVER CO.
2275 Marshall Blvd. CHICAGO

Get Your Canadian Home From the Canadian Pacific



The Home Maker

It will make you a long-time loan—you will have 20 years to pay for the land and repay the loan—you can move on the land at once—and your Canadian farm will make you independent.

20 Years to Pay

Rich Canadian land for from \$11 to \$30 per acre. You pay only one-twentieth down—balance in 19 equal annual payments. Long before your final payment comes due your farm will have paid for itself over and over. This advertisement is directed only to farmers or to men who will occupy or improve the land.

We Lend You \$2000

for erecting your buildings, fencing, sinking well and breaking. You have twenty years in which to repay this loan. You pay only the banking interest of 6 per cent.

Advance of Live Stock on Loan Basis

The Company, in case of approved land purchaser who is in a position and has the knowledge to take care of his stock, will advance cattle, sheep and hogs up to the value of \$1,000 on a loan basis, so as to enable the settler to get started from the first on the right basis of mixed farming. If you do not want to wait until you can complete your own buildings and cultivate your farm, select one of our Ready-Made farms—developed by C. P. R. Agricultural Experts—with buildings complete, land cultivated and in crop, and pay for it in 20 years. We give the valuable assistance of great demonstration farms—free.

This Great Offer Based on Good Land

Ask for our handsome illustrated books on Manitoba, Saskatchewan and Alberta—mention the one you wish. Also maps. Write today.

G. M. THORNTON, Colonization Agent

Canadian Pacific Railway
Colonization Department
112 W. Adams St., Chicago

FOR SALE—Town lots in all growing towns—Ask for information concerning openings.

Buying a Wind Mill



is making contract for several years water supply. The mill that delivers the most water, the greatest number of years, at the least expense, proves the cheapest. The Challenge and Dandy Mills have proven by actual use to be the cheapest and best power known for pumping water, as the wind is free and the mills built in such a manner as to make the expense for operating practically nothing. Send for Catalog No. 62.

CHALLENGE COMPANY, 131 RIVER ST. BATAVIA, ILL.

Poultry Magazine Big 40 to 80 page illustrated monthly magazine of practical, common sense chicken talk. Tells how to get most in pleasure and profit from poultry raising. 4 months on trial only 10c. Poultry Culture, 800 Jackson, Topeka, Kan.

12 Beautiful 7-Color 10c COLORADO Scenic Post Cards

We now have ready for distribution a series of 36 of the most gorgeous scenic post cards ever printed. These cards are made direct from photographs covering all the most important points of interest in Colorado—Mountains, Peaks, Lakes, Valleys, Mines, famous buildings and places—practically every scenic spot of greatest interest is included in this wonderful series of post card views. The cards are printed on finest stock in from five to seven colors producing the most beautiful effect imaginable. These cards have an educational as well as artistic value as they provide true-to-life illustrations of the most-talked-of points throughout this mountain wonderland. Get a complete set for your album or collection, another set to mail to your friends—36 different views.

BARGAIN OFFER. These cards would ordinarily retail at 2 for 5 cents, and they are worth it, too. We are wholesale distributors and just to get these beautiful cards introduced in all parts of the country we will for a limited time send postpaid 12 all different Colorado View Cards, for only 10 cents, or 36 all different for 25 cents. Send your order today—Stamps or coin. Address:

COLORADO SELLING CO.,
1624 Seventeenth St., Denver, Colo.

GOOD LUMBER CHEAP

Posts, Cement, Mill Work.
Pay when you unload and find satisfactory.

FARMERS LUMBER CO.
24th & Boyd Omaha Neb.

Poultry Keeping

CONDUCTED FOR FARMERS MAIL AND BREEZE BY REESE V. HICKS, PREST. AMERICAN POULTRY ASSOCIATION.

We want you to talk chicken with us. Good short letters on poultry matters especially welcome. A year's subscription to Farmers Mail and Breeze is awarded each week for the most helpful bit of poultry experience, and for second and third best contributions subscriptions to other useful publications.

The average broiler will shrink about half a pound in dressing.

If barley is available it is best to feed it for fattening. Chickens like it.

Where large amounts of corn are fed in hot weather look out for apoplexy and sudden deaths.

Good stock, plenty of range, and freedom from lice and filth are the secrets of success with turkeys.—Mrs. A. H. Stewart, Coffey county.

Six ounces of carbolic acid mixed with each gallon of warm water, and thoroughly sprayed over the inside of the henhouse, is good mite medicine.

Birds being fattened at this time of year need cool, shady quarters, but as little room as possible for exercising.

When whitewashing the inside of the poultry house don't forget to add a little crude carbolic acid. It makes the wash more effective for vermin.

No More Mongrels For Him.

Mr. Editor—A while back you published an egg record of a mongrel flock. Mongrels and grades may be all right for some people but they won't do for me any more. Until last year I had a mixture of all kinds and breeds but this year I have purebred White Plymouth Rocks. From January 10 to June 1 of this year eight of these hens averaged 5 1/4 eggs per day. Not one of them wanted to sit but they took a two weeks' vacation in June and are now back on the job again with an average of 3 1/2 eggs per day.

Long Island, Kan. D. A. Nickell.

Feed Clabber in Hot Weather.

Chicks hatched during hot weather should be fed on sour milk in order to keep them healthy and thriving, says J. G. Halpin, poultryman at Wisconsin Agricultural college. A good many chicks are hatched at this time of year when weather conditions are unfavorable. As chicks pick at anything, they swallow much filth and are likely to contaminate their intestines. The sour milk, which must be fed when thick or clabbered, seems to keep down harmful bacteria in the intestines and thus wards off disease. Poultrymen who have tried feeding this milk, after losing chicks in previous years, declare that the losses are greatly reduced.

Summer Methods With Eggs

TWO READERS' VIEWS.

Mr. Editor—I think if merchants and all dealers in eggs, would establish classes for eggs, as is done with many other products, the farmers would take better care of them. Let the first class include all well-shaped, fresh eggs of good size, and pay about 3 cents a dozen more for them than the rest. Let the second class include those eggs that are misshapen, small, dirty, and of doubtful quality.

Leslie Perrigo, Forest City, Ia.

Gets a Premium for Good Eggs.

[Prize Letter.]

Mr. Editor—I get the top market price for my eggs and all summer long I get a half cent more per dozen than any of my neighbors. A dealer from town comes out once a week and gets our eggs. He takes them without candling them.

I do not sell soiled eggs of any kind. It doesn't pay when the clean, pure white eggs make such a fine appearance. I keep oyster shell before my hens all the time which makes the shell of the eggs smoother and thicker. After the

breeding season we do not keep any males in the flock.

We gather the eggs carefully every night and take them to the cellar immediately. In this way we not only have no losses from bad eggs but get the highest market prices for them.

Tonganoxie, Kan. Mrs. C. P.

Indian Runner Ducks as Layers

Mr. Editor—This is the third year we have been raising Indian Runner ducks. We have all three varieties and our records show the average number of eggs laid a year per duck is about 240. We have a flock of several hundred and it is seldom we have a sick bird. The only disease they seem to be subject to is rheumatism. They seem immune to many diseases as well as to vermin to which chickens are susceptible.

We give them as large yards as possible and have from 50 to 60 birds in a single flock. We mate them in the proportion of 1 drake to 7 or 8 ducks. We always keep drinking water before them but water for swimming is not at all necessary. We feed them three times



A pair of light fawn-and-white Indian Runner ducks belonging to W. W. Stover.

a day on a wet mash, just crumbly, not sloppy. This mash is made up of bran 1 part, shorts 1 part, corn chop 1 part, commercial beef scrap 1/2 part. We feed about 1 quart to each 8 ducks at a feed. They are not heavy eaters, they are inclined to be dainty. In summer they prefer the open to any kind of housing.

If only market eggs are wanted one variety is as good as another. But if breeding stock or eggs for hatching are desired the American standard light fawn-white, or the pure white are the ones most in demand. Dollar for dollar our ducks bring us in more money annually than any other class of stock on the place.

Fredonia, Kan. W. W. Stover.

Protect the Hens From the Heat

Lack of shade is directly or indirectly responsible for more poultry losses in summer than disease, says J. G. Halpin, poultryman at Wisconsin Agricultural college. He says a poultryman may lose several hens before he realizes that heat is responsible for their deaths. A chick hatched during the hot weather must not be put out in the hot sun until after it is several days old, and must be gradually accustomed to the sun. Otherwise the sun may blister its tender skin, so that even though it is not killed outright, it is greatly weakened.

For shade, a corn field, small patch of sunflowers, shrubbery and bushes of any sort, as well as fruit or shade trees are satisfactory. Many times something can be accomplished by turning the houses around so that they face north and thus shade the chicks. Portable colony houses with solid floors can be raised a foot or more off the ground so that the chicks can get under them for shade. Old doors and objects of that sort can be used for shade by driving four stakes into the ground and elevating the north end of the door some 3 or 4 feet from the ground while the south end is only about a foot from the ground. Small ducklings and goslings are more subject to sunstroke than the chickens and so should be guarded with especial care.

Reliable Poultry Breeders

FARMERS MAIL AND BREEZE POULTRY RATE.

The rate for advertising under the "Reliable Poultry Breeders" column is 5c per word each time for 1, 2 or 3 insertions and 4 1/2c per word each time for four or more insertions.

DUCKS.

INDIAN RUNNER ducks. Topeka fair winners. Satisfaction guaranteed. Burt White, Burlingame, Kan.

WHITE INDIAN RUNNER ducks (Fishel strain). A chance to get good ones at a low price; \$1.50 each. A. E. Kroth, Havensville, Kan.

ORPINGTONS.

BUFF ORPINGTONS. Choice cockerels and cock birds for sale. A bargain if taken soon. August Petersen, Churdan, Ia.

PLYMOUTH ROCKS.

BIG TYPE BARRED ROCKS. Half price now. Duff, Larned, Kan.

BARRED ROCKS. Stock and eggs. Mrs. D. M. Gillespie, Clay Center, Kan.

BUFF ROCKS—A few breeders and young stock for sale. William A. Hess, Humboldt, Kan.

WYANDOTTES.

BUFF WYANDOTTES. Prices cut for balance of season. Eggs from all our breeding pens at \$1.50 per 15, \$5.00 per 100. Baby chicks \$1.50 per dozen. Send for mailing list. Wheeler and Wylie, Manhattan, Kan.

SEVERAL VARIETIES.

43 VARIETIES, Poultry, Pigeons, Ducks, Geese, Turkeys, Guinea, Incubators, Dogs. Catalogue 4 cents. Missouri Squab Co., Kirkwood, Mo.

ROSE COMB RHODE ISLAND RED eggs. Pen A, \$1.50 per 15; Pen B, \$1.00 per 15; Barred P. Rocks, range stock, 75c per 15; \$4.00 per 100. Light fawn and white Indian Runner ducks \$1.00 per 12. C. J. Woods, Chiles, Miami, Kansas.

Organs, \$15 to \$30. Highest Grade

Estey, Mason & Hamlin, Story & Clark, Kimball, C. Cottage & Co., Slightly used, like new. Write today. Jenkins Sons Music Co., Kansas City, Mo. Reference, any bank in Kansas City

FREE

This Famous Sewing Awl



You can sew old or new harness, saddles, canvas, tents, rugs, carpets, quilts, shoes, grain bags and many other things. You can use any kind of thread in the Myers Awl, and it makes a lock stitch same as a sewing machine. It is very simple; a woman can use it as well as a man. It is one of the most practical devices ever invented. They are put up with two needles; one is straight and one curved, with a small screw driver and wrench combined. Also a reel of waxed thread with each awl ready for use. The cut does not show full size. With needle the awl is 6 1/2 in. long. It is the Myers Famous Lock Stitch Sewing Awl. It is the only Sewing Awl made with a groove running the full length of the needle, so as not to cut the thread when sewing, and has what is known as a diamond point. Every teamster and farmer should own a Myers Lock Stitch Sewing Awl, as there is use for one in almost every household. The Myers Awl is nicely finished, the metal parts are nickel plated, the needles and wrench are kept in the hollow handle which has a screw top.

Anyone who will send \$1.25 to pay for a one-year's subscription to our big farm paper can select one of Myers' Lock Stitch Sewing Awls, which we will send by mail, postage paid, as a free premium. Use Coupon below.

MAIL AND BREEZE

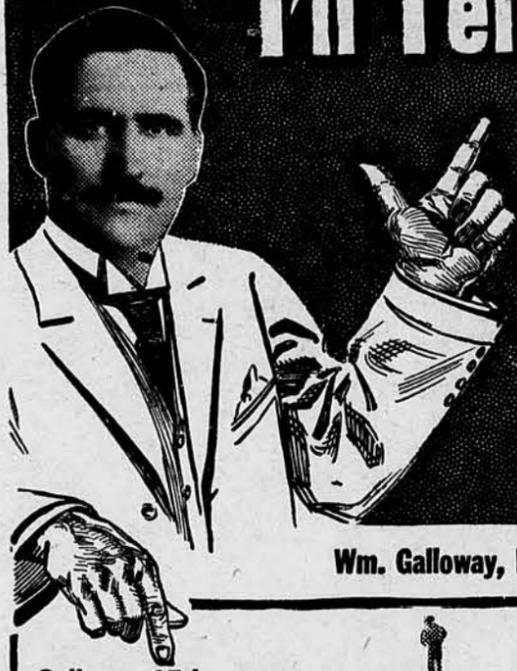
is the biggest and best farm journal in the West with over 100,000 readers. Established in 1873. Price, 1 yr., \$1.00. The best edited farm journal in America.

Pub. Mail and Breeze, Topeka, Kan.
Dear Sirs:—Enclosed please find \$1.25. Send me your paper regularly for 1 year, and one of the famous Lock Stitch Sewing Awls free and prepaid.

Name

P. O.

County State R.R.No.



Wm. Galloway, Pres.

I'll Tell You How to Save \$250-\$350 On a Galloway Heavy Duty Engine 7½-10-15 H. P. for Running Any of Your Large Power Machines Write Me Today!



15 H. P. Galloway Horse Portable Engine

Galloway 15 h. p. engine running silo filler on Edwin Carlson's farm, Winthrop, Minn.



Galloway 15 h. p. engine running Silo Filler on Wm. Schoepke's farm, Hartland, Ill.

15 H.P. GALLOWAY ENGINE-RUNNING GALLOWAY ENSILAGE CUTTER FILLING TWIN SILOS 50 FEET HIGH ON W.M. GALLOWAY'S DAIRY FARM, WATERLOO, IOWA



That's talking big money but real money talks big.

I'll back up every statement when I tell you that you can actually save \$250 to \$350 on any Galloway Heavy Duty (7½ - 10 - 15 H. P.) Engine that you select from my line. It's an absolute fact and I can prove it to you in a flash when you get my offer.

Take my 15 H. P. Portable shown in the picture. I sell it for half what you'd have to pay for a trust-made engine of the same power. I said I'd prove your saving on any engine. All right, just drop me a line and I'll send you my big, illustrated engine catalog and Special 90 Day Price Offer. If anybody else wants to sell you an engine, show him my prices and dare him to meet them. I positively know that there isn't a single manufacturer in America who can meet my prices without losing money. My tremendous output and the direct selling plan that I have built up, make my low prices possible. When you buy a Galloway you pay just the bare cost of material and labor with only one small manufacturer's profit added. Compare that plan, backed by years of proved success, with the Trust way of adding four to six profits and you see how easy it is for me to save you \$250 to \$350 on your engine or your complete outfit. Now, I just want you to investigate, that's all. It's money in your pocket—big money. Write me a postal or a letter for my big engine catalog today. Remember, these engines are made in sizes from 1¼ H. P. to 15 H. P., either stationary or mounted, and are

Sold Direct from My Factory to Your Farm

All Galloway Engines are made right in our own big chain of factories at Waterloo. There are no better made engines on the market. Galloway Engines are easy to start. Will run without attention as long as you want them to. Use less fuel per horsepower than any other engines on the market. They are proved engines. Over 30,000 in use today and all sold with the privilege of testing them 30 days on your own farm before you decide to keep them, backed by a five year warranty on materials and \$25,000 legal bond. Every user of a Galloway Engine is a booster for them. That's why we sell more of them than any other concern in the world selling engines direct to the user. Isn't that proof enough that it pays to buy the Galloway and save from \$250 to \$350.

Get a Complete Galloway Silo Filling Outfit and Save Big Money

Remember, I can sell you complete Silo Filling Outfit, Shredder, Big Corn Sheller, Irrigation Pumping Outfit, Corn and Grain Elevator and Dump, and many other big combination outfits—all at money-saving prices. Just write me and tell me what you want and let me quote you the lowest prices ever made on these outfits. Write me without fail today for my complete Silo Filling Outfit. Hundreds in use and all giving complete satisfaction.

Free Service Department

My free Service Department, composed of the best engine experts, will give you all the information you want for the proper installation and use of your engine. They will tell you the best size engine to buy for handling your different machines, size pulleys, etc., and how to equip your engine for doing the best possible work. This service costs you nothing, but is worth a great deal to you.

Here's the Real Proof

I just want you to look at these five illustrations here, showing 15 H. P. Galloway Engines at work in different sections of the country, running ensilage cutters and threshing machines. These are only a few of the many views of Galloway Engines at work running different machines, which we have on file. My big Engine Book shows a lot more. Sent FREE.

View No. 1 shows 15 H. P. Galloway Engine filling silo on Edwin Carlson's farm at Winthrop, Minn. Notice how smooth the engine is running in picture and without any attention. No. 2 shows a 15 H. P. Engine running a 20 inch cutter filling 16x32 silo on farm of Wm. Schoepke, Hartland, Ill. Mr. Schoepke said it took them only twelve hours, refilling and all, and that he filled four silos last fall. He paid for his engine the first year doing work for his neighbors at \$10 to \$15 a day. Good money to be made with a Galloway Heavy Duty Engine everywhere.

Wm. Galloway, President, WM. GALLOWAY COMPANY

45 Galloway Station

View No. 3 shows a complete Galloway Silo Filling Outfit on Mr. Galloway's own farm at Waterloo filling two twin hollow-block silos, each 50 feet high. How's that for silo filling? The pipe is 54 feet long. No. 4 shows Galloway 10 H.P. Engine running threshing machine on Walter J. Anderson's farm, Newman Grove, Neb. Mr. Anderson says, "I put it to hard work and it did fine. I had two other kinds but yours beat them." No. 5 shows a 15 H. P. Galloway Engine running threshing machine on W. H. Stuckmeier's farm near Waverly, Iowa.

Write for Catalog and Prices Today

Write me first. Get my 90 day special prices before you buy any other style or make of engine. It will be the best investment you ever made. I am selling more Heavy Duty Engines than ever before in the history of this big business because the men who have bought and used Galloway Engines are helping me sell them. Galloway Engines are their own best advertisement.

Remember, if you want a small pumping engine, or medium sized engine, I can supply you at a big saving. We make all sizes from 1¼ to 15 H.P. New Pumping Engine Catalog just out. Let me send you a FREE copy.

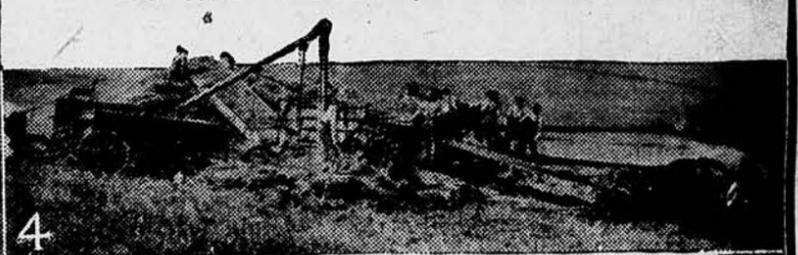
Get My Special 1913 Offer

Then as a clincher I am making the most liberal 1913 Co-Operative Profit Sharing Offer I have ever made, which is a tremendous, big inducement for you to buy the Galloway. It will actually help you get your engine partly or entirely without cost to you in the end.

Just mail me a postal or letter for my big illustrated engine catalog and I will give you all particulars of this special offer by return mail. Write me today. Do it before you lay this paper down. Address

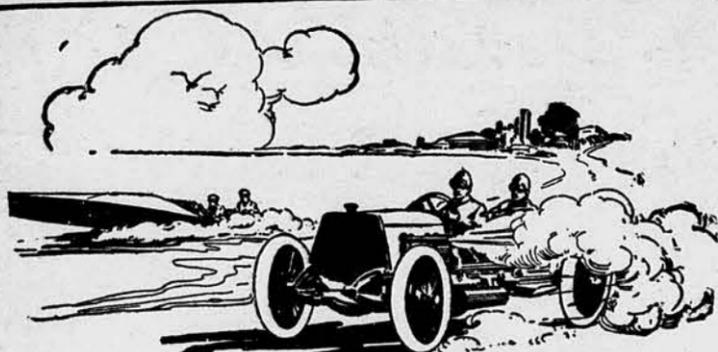
WATERLOO, IOWA

Galloway 10 h. p. Engine Running Threshing Machine on W. J. Anderson's Farm, Newman Grove, Nebr.



Galloway 15 h. p. Engine Running Thresher on W. H. Stuckmeier's Farm, Waverly, Iowa





Polarine

FRICITION REDUCING MOTOR OIL

For Any Kind of Motor—In Any Kind of Car or Boat

An oil that's right is right in every type of motor, whether in a pleasure car, a motor truck or motor boat. The universal oil is Polarine—used everywhere, and sold at cross-roads stations. Users never need go far without it.

Maintains the correct lubricating body at any motor speed or heat, and flows perfectly at zero. Penetrates to the remotest parts of the motor, protecting every friction point.

Cars run for years without any depreciation when Polarine is used. It's the best insurance you can buy, and costs the least.

The World's Oil Specialists make it after 50 years' experience with every kind of lubricating problem and a study of all makes of motors produced. Polarine is the right oil.

STANDARD OIL COMPANY
(AN INDIANA CORPORATION)

Makers of Special Lubricating Oils for Leading Engineering and Industrial Works of the World

CROPS and FARM WORK

(Crop Reporting Service of Farmers Mail and Breeze.)

Except in the extreme western part of the state where scattered rains fell last week, crop and weather conditions remain practically unchanged. Local showers ranging from 1/4 to 4 inches are reported from Cheyenne, Rawlins, Seward, Stevens, Morton, and Barber counties in Kansas. Wherever the rains fell, corn and other feed crops have been revived, along with the hopes of the patient settlers. However, these showers covered but a small portion of Kansas and in the state as a whole a feed shortage is inevitable.

But all is not lost. In Stevens county cane is being sown right now and present chances are all in favor of this planting returning a paying crop. Kafir, milo, cowpeas, and millet, put in at once, also have an outside chance to make a crop of feed before frost. There is too much to gain and too little to lose, not to try one or more of these emergency feed crops, rain or no rain.

It is a very unusual occurrence to find corn selling at higher prices, bushel for bushel, than wheat, but that is what is happening in a number of western counties. At a sale in Ford county, Kansas, last month, corn brought 82 cents and oats 69. The market price of wheat in the same county is 73 cents.

"Some pit silos are being dug and a good many more farmers are talking about doing so," writes Monroe Traver, of Stevens county, Kansas. Now if the talkers will join the diggers, everybody, including the stock will be happy next winter.

According to a government crop report, the condition of growing cotton in Oklahoma was 81 per cent on July 25. This is also the average 10-year condition for this date and is one point better than the reported condition on July 25, 1912. In the United States at large the condition of the crop on July 25 was 79.6 per cent.

KANSAS.

Coffey County—Weather very hot and dry. Corn is suffering. Pastures drying up and stock water scarce. Have had only local showers so far.—Mrs. A. H. Stewart, July 31.

McPherson County—Very dry, although a lot of early plowing is being done. Corn about all dried up. A few fields keep green but ears are not setting. Grasshoppers and bugs numerous. Wheat 75 cents, corn 76, oats 50.—M. D. Waldo, Aug. 2.

Kingman County—No rain since June 24 and our corn is gone. Kafir green yet. Some grasshoppers and chinch bugs in southwest part of county. Feed will be scarce. Corn 75 cents, wheat 72, oats 45, hogs \$8.25.—E. F. Shelman, Aug. 1.

Chase County—Weather hot and dry. Outlook for corn is poor in greater portion of this county. Pastures turning brown and stock water getting scarce in many pastures. Alfalfa is not growing. Alfalfa hay \$9, corn 75 cents.—W. J. Dougherty, July 29.

Riley County—No rain yet and corn will make only fodder. Pastures drying up and some farmers have put stock on dry feed.

As a general crop outlook this season reminds us of 1901. Haying will soon begin. Corn 70 cents, wheat 72.—P. O. Hawkinson, Aug. 2.

Trego County—Farmers busy disking and plowing for wheat but ground is very dry. Corn being cut up for feed. Some Kafir and cane are good yet. Stock still looks well but grass is getting short. Corn 60 cents, oats 46, Kafir 50, wheat 76.—E. L. Dean, July 31.

Morton County—Local showers have revived crops. Early plantings of milo are heading. Present conditions indicate a short crop of feed and broomcorn. Broomcorn buyers are now paying \$60 per ton. Pastures have been greatly improved.—Mrs. M. McGee, Aug. 2.

Barber County—Had rain enough July 23 to start plowing and listing in some places but ground is wet only 3 or 4 inches. Pastures are short and hay of all kinds is scarce. Roasting ears are hard to find in the corn. Corn 75 cents, wheat 70.—G. H. Reynolds, July 26.

Elk County—Have had hot, dry weather here, but three light showers the last few days have brightened things up wonderfully. Scarcity of water is the most serious problem now. Pastures are short. Will have plenty of roughness but not much grain for winter feeding.—Mrs. S. L. Huston, July 27.

Pottawatomie County—No rain at all for two months. Will not have 20 per cent of a corn crop. Pastures are dry and plenty of farmers are selling their stock hogs and cattle. Will not have more than 15 per cent of an apple crop. Corn being shipped in at 75 cents. Hogs \$8.25.—S. L. Knapp, Aug. 1.

Johnson County—Dry weather continues and every day is lessening the chances for corn. Even fodder will be poor unless rain comes soon. Pastures dried up and some farmers must haul stock water several miles. Considerable plowing done for wheat but ground is very hard and dry.—L. E. Douglas, Aug. 2.

Butler County—Very little rain since May. Corn is practically ruined. No wild hay at all and alfalfa is too short to rake. Pastures burnt up and stock is being fed on dry fodder. Nearly all stock will be shipped out. Hogs nearly all gone now. Hay \$12 and scarce at that. Corn 80 cents.—M. A. Harper, Aug. 2.

Pratt County—Weather dry and hot. Have had a fine season to thresh and wheat threshing will be finished in a few days. Corn is about gone and old corn is being shipped into this county at 75 to 80 cents. Ground is too dry to plow or list. Pastures dried up and feed is getting very scarce.—J. L. Phelps, Aug. 2.

Pawnee County—Still we have it dry and hot. Prospects for feed are the most discouraging in 30 years. Pastures are very short. Grasshoppers still numerous. Most wheat ground being prepared with disks. Wheat acreage will not be up to the average this fall. Wheat 75 cents, corn 75.—C. E. Chesterman, Aug. 2.

Hodgeman County—Very little feed left to tell the story of the large acreage planted last spring. But the ground is being put in fine shape for fall seeding. About the usual acreage of wheat will be sown. Today is "grasshopper day" for this county. Nearly every farm was represented at the distributing station Saturday.—E. N. Myler, July 28.

Harvey County—Weather hot and dry. Corn and pastures falling fast. Most threshing outfits have pulled in. Considerable plowing done. Grasshoppers quite active in alfalfa and edges of corn fields. Wheat 74 cents, oats 45, corn (shipped in) 70, potatoes \$1.10, alfalfa seed \$7.50.—H. W. Protout, July 30.

Gray County—Wheat is making from 5 to 30 bushels an acre. The early sown wheat on well prepared ground is yielding well. Those fields that did not come up until spring are doing poorly. Oats turning out fairly well. Corn and kafir still growing but need rain badly. Hoppers not doing much damage now.—A. E. Alexander, Aug. 2.

Seward County—Cool weather now. South half of county had 1 1/2 inches rainfall from July 18 to 28. North half had 4 inches in same period. Kafir, cane and milo look good but are late. Grass is fine and stock doing well. Threshing about finished. Wheat yielding from nothing to 17 bushels and is of good quality. Wheat 71 cents.—J. W. Rosson, Aug. 1.

Cheyenne County—This county is still dry except in about the east fourth where they had 1/4 to 1/2 inch of rain. Corn will make a very short crop unless we have rain soon. Weather has been cool lately with northwest winds. Not much threshing done yet. Wheat acreage will be smaller this fall. Wheat 70 cents, corn 50, oats 30, barley 30, butter fat 24.—F. G. Casford, Aug. 1.

Ford County—Light rain July 27. Weather still dry and hot. This county will not raise an ear of corn and all feed will be very scarce. Pastures dry and short and farmers are turning stock on wheat stubble. Wheat about all threshed. Yields ranged from 3 pecks to 15 bushels per acre. At a recent sale corn brought 82 cents and oats 69. Wheat 73, cream 23.—John Zurbuchen, Aug. 2.

Rawlins County—North part of county had a rain July 17, ranging from 1/4 to 3/4 inches. Most of county still dry. Where rain was heavy corn looks good. Wheat in eastern portion of county is making 6 to 8 bushels. In the eastern part the crop is doing a little better. West it is very irregular, yielding 2 to 8 bushels, with summer fallowed fields making 16 bushels and more. Good deal of plowing done in north part of county.—J. S. Skolout, Aug. 2.

Stevens County—Have had 3 inches of rain in last 10 days and ground is in splendid condition. Growing crops are doing fine and late planted crops coming up nicely. The rain came in local showers. Grass is greening up again. Some farmers are still drilling in cane. Others getting ready for wheat. Large acreage of ground planted to feed will be put into wheat as the feed did not come up. Some pit silos being dug and

CAMP GRAIN DUMPS HAVE THE RIGHT PRINCIPLE

The "Camp" is the only Grain Dump manufactured with the HYDRAULIC PRINCIPLE—that means there's no friction—nothing to get out of order—operated with lightest draft. The "Camp" is free from gears and cog wheels. The one continuous drag chain for receiving hopper and Hydraulic Jack guarantees against elevator troubles. Only the finest cypress used. No. 55 sprocket chains. We are sole patentee on folding both elevator and derrick.

The compact arrangement of this dump insures absolute satisfaction. There are so many good features that you should not buy an elevator until you have investigated the "Camp". Write for our free catalog, then make a comparison and study our principle—you'll be convinced that this product is the one you want.

WRITE TODAY

CAMP BROS. & CO.

DEPT. U

WASHINGTON, - ILLINOIS



ALFALFA SEED

FOR FALL SOWING. From locality where it grows best and most abundantly. Our seed won the gold medal at the St. Louis World's Fair in 1904. Write us today for prices and free samples. Address McBETH & DALLAS, Garden City, Kansas.

Let Me Save You \$50 to \$75



Let me save you \$50 to \$75 on the best portable elevator and wagon dump ever built. You can't buy a better built, stronger, faster working or handier outfit than the Galloway at any price, so why pay nearly twice my price to your dealer? Why not buy a Galloway direct on my positive 30-day free trial offer at my one-factory-profit plan and save \$50 to \$75? Last year we were clear oversold before the season was hardly started. This year we are prepared to supply you promptly if you get your order in at once. Now, don't wait. You can't afford to be without a good portable elevator because it will pay for itself the first season. But don't buy a portable elevator of any size or make at any price until you get my big book telling you about the new Galloway.

Write Today for Low, Direct Factory Prices

Built with metal bottom, grain tight. Any length, 24 feet or more. Equipped for operating by sweep horsepower or gasoline engine. Simplest and most powerful hoisting arrangement ever used on any elevator—easier to raise and lower than any other. Will handle a load of corn or small grain in two to five minutes. Requires less power to operate. Power can be applied from either side. Wagon dump will work on either side. Is suitable for either single or double cribs. Has overhead lifts so you can use it at butchering time to advantage. It's just the outfit you have been looking for.

Write Today Without Fail for low, direct prices. Get our big catalog telling all about it. Write now, before you put this paper down. Just address:

Wm. Galloway, Pres.
WM. GALLOWAY COMPANY
41 Galloway Station
Waterloo, Iowa



30 Days' Free Trial

SCHOOLS AND COLLEGES



YOUR BOY and YOUR GIRL WHAT OF THEM?

You want them to progress; to improve their condition; to become successful workers in the business world. You can realize your ambition and lay the foundation for a successful and profitable future for John and Mary if you will all get together and decide upon a definite plan.

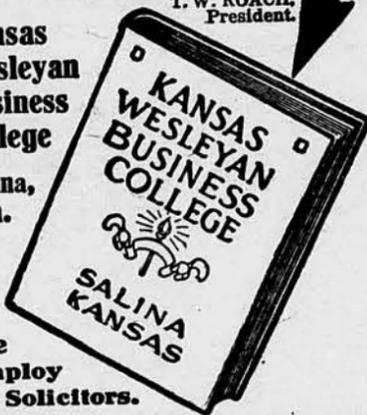
Our Big Free Illustrated Catalogue

will be a real help to you in making this decision. It is cram full of information regarding Expert Business Training, worth dollars to you and your children. It tells in a simple, matter-of-fact way all about our school and our methods. How, in a few months time, we can fit them to earn from \$300 to \$3000 and more a year. How they can become an expert Stenographer, Bookkeeper, Penman, Auditor, Accountant, Telegrapher, Wireless Telegrapher or Merchandiser — be fitted for Clerical work with Railroads, Banks or in Civil Service.

Get this Free Book. Learn the many points of valuable information it contains. Write today for a free copy.

T. W. ROACH, President.

Kansas Wesleyan Business College
Salina, Kan.



We Employ No Solicitors.

Spalding's COMMERCIAL COLLEGE

10th & Oak Sts., KANSAS CITY, MO. 17th Year. \$100,000 College Building has 15 Rooms, including Auditorium and Free Gymnasium. SHORTHAND, TYPEWRITING, BOOK-KEEPING, TELEGRAPHY AND ENGLISH. DAY & NIGHT SCHOOLS. Write to-day for FREE Catalogue "B"

ROCKINGHAM PRIVATE BOARDING SCHOOL For Boys and Girls

Private tutoring in all branches. Write for full information. Effie Holbrook Stuttle, Prin. 2724 Independence Ave., Kansas City, Mo.



The U. S. Civil Service

offers salaries to start of \$900 to \$1,200, with short hours and sure pay.

We prepare for Stenographic, Bookkeeping and Clerical examinations. Write for Catalog A.

Dougherty's Business College
Geo. E. Dougherty, Pres.
Topeka, Kan.

LAWRENCE Business College
Lawrence, Kansas
Largest and best Business College in the West. Capacity 1000 annually. Write for catalog.

Phillips Telegraph College

The Only Telegraph School in Oklahoma. RAILROADS TAKE OUR GRADUATES. Main line wire in schoolroom—Teachers of from eight to twenty-five years' experience—We can't supply the demand for telegraphers—Great opportunity to make good money. Write today. Enid, Okla.

Strickler's TOPEKA BUSINESS COLLEGE
25 years of continued success. Thousands of graduates in good paying positions. We get you the position. Write for our special scholarship plan. 111-113-115-117 E 8th Topeka, Kan.

CENTRAL Business College

13th and Oak, Kansas City's Largest Business School. New Scholarship Plan. Free Employment Bureau. Write for free catalog.

KANSAS CITY Business College
Going to take a business course? Investigate K. C. B. C. If you haven't the money come to see or write us. We aid worthy young people. C. T. Smith, Principal. Young Women's Christian Assn., Bldg., 1018 McGeo St., Kansas City, Mo.

Become Railway Mail Clerk

START OUT AT \$75.00 PER MONTH Parcel Post makes demand greater than ever. 70 per cent insure you employment for life, rapid promotion. We offer other Civil Service Courses. Attend on credit and pay us as government pays you. 4 big buildings, College Band, Athletic Park, Beautiful Campus. Write for catalog. Chillicothe School of Civil Service, 44 McNally St., CHILLICOTHE, MO.

Learn Telegraphy
A practical school with railroad wires. Owned and operated by A. T. & S. F. R. Ry. EARN FROM \$50 TO \$165 PER MONTH. Write for catalog. SANTA FE TELEGRAPHY SCHOOL, Desk G, 505 Kansas Ave., Topeka, Kan.

WE TEACH YOU Special Summer Rate
NOW IN EFFECT. Qualify for repairman, chauffeur or demonstrator. Write for free catalog. LINCOLN AUTO SCHOOL, 2350 "O" St., Lincoln, Neb.

MILLER BUSINESS COLLEGE BUTTS BLDG., WICHITA, KAN.
It is free—Our Blue Book. It will inspire you. Fill out coupon and send today. Name..... Postoffice..... State..... More positions at good salaries than we can fill.

LEARN THIS SECRET
I have a secret I want to tell to every young man and young woman who is contemplating going to a Business College this year, and I will give you the full details if you will write me. This information is not only worth dollars to you, but will assist you in the selection of a good school—and if you do go to school this year you want to go to a good one. Get this information now—before you decide on any school. A postal or letter will bring it to you, together with my Big Free Illustrated Catalog. You obligate yourself in no way. Write me today. C. W. RANSOM, Pres. RANSOMERIAN BUSINESS SCHOOL, 386 Minor Bldg. KANSAS CITY, MO.

Free Ticket to Chillicothe, Mo., to visit JACKSON UNIVERSITY OF BUSINESS. Finest quarters; free night school; positions guaranteed; dancing hall and dancing teacher. Board \$2.50. Backed by World's Desire Bureau. For catalog and free ticket address Walter Jackson, Pres., Chillicothe, Mo.

ATTEND ON CREDIT NO POSITION, NO PAY

You may pay us when in a position. Extensive Employment Bureau maintained. 25 years of prestige, 900 students from 27 states, 115 typewriters, 4 big buildings. Railroad fare paid. Investigate. Write for catalog. CHILLICOTHE BUSINESS COLLEGE, 2244 Monroe St., Chillicothe, Mo.

Would you like to know why the leading music journals and daily press consider Bethany the best music school in the West? If so, read page 76 of our new catalog. Music in all its branches. Famous Messiah concerts every Easter. 803 students from 21 states. For free catalog write President Ernst C. Pihlblad. Mention department in which interested.



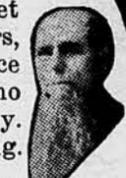
Hardin College and Conservatory For Young Women
Endowed, State Charter, Officially Standardized as a Junior College by Mo. State University. Courses in Art, Elocution, Music, Domestic Science and Business. German-American Conservatory—German Standards. Modern Equipment. For Catalogue address JOHN W. MILLION, A. M., President, 1232 College Place, Mexico, Mo.

THE KANSAS STATE AGRICULTURAL COLLEGE

Efficiency in AGRICULTURE, ENGINEERING, HOME ECONOMICS. offers instruction in SCHOOL OF AGRICULTURE—with three-year courses in Agriculture, Mechanic Arts, Home Economics, admitting students on common school standing. COLLEGE OF AGRICULTURE AND MECHANIC ARTS, with courses in Agriculture, Engineering, Home Economics and Veterinary Medicine, admitting students on high school standing. Fall term opens Sept. 15, 1913. Send for one or both of the following pamphlets: "School of Agriculture," "Collegiate Courses" and the "Catalogue." (Correspondence courses offered.) Address, THE REGISTRAR, KANSAS STATE AGRICULTURAL COLLEGE, BOX D, MANHATTAN, KANSAS.

BE AN EXPERT—BE SOUGHT FOR

Be at the top; have the best position; earn the largest salary;—be a Gem City Graduate. A Gem City Diploma means something—that's why Gem City students get there; that's why they advance so rapidly. Bankers, Railroads, and Business Men everywhere recognize at once in the holder of a Gem City Diploma an expert—one who can be depended upon for the very maximum of efficiency. That's because of our easy, practical method of training.



Our new method of teaching Bookkeeping, Stenography, Accounting, Auditing, Farm Accounting, Banking, Railroading, Civil Service, Merchandising, and General Business, by means of actual business practice, under the personal direction of a corps of Expert Business Trainers, is the most complete, thorough, and practical yet devised—and we can prove it.

WARNING! This is the School that does not employ smooth tongued solicitors to induce you to enroll—solicitors who have no interest in you other than the commission they receive for the enrollment. Neither do we hold out false hopes nor make rash promises. Look out for the solicitors! Look out for the school that tells you it can place you in a \$100 position at graduation! Your advancement in the business world depends upon your own efficiency, and you know it.

Write today for our Free Illustrated Catalog. It contains information you should know. Tells all about our school, our methods, and what a Gem City Diploma means to you. Use the coupon, a postal, or a letter, but send today.

D. L. MUSSELMAN, President
Gem City Business College
Lock Box 144 Quincy, Ill.

MAIL THIS COUPON TODAY
D. L. MUSSELMAN, President, Lock Box 144 Gem City Business College, Quincy, Ill. With no obligation on my part, please send me post paid your Free Illustrated 1913 Catalog.
Name..... Town..... State..... R.F.D.....

a good many more farmers talking about doing so.—Monroe Traver, July 31.
OKLAHOMA.
McClain County—Extremely dry here—no rain since July 1. Early corn will make about two-thirds of a crop. Late planted fields burnt up. Cotton still looks good but needs rain. Pastures dry.—Floyd Harman, July 30.
Canadian County—Weather hot and dry and upland corn is firing badly. Third crop of alfalfa put up. Threshing almost finished. Wheat made 4 to 21 bushels, oats 6 to 30. Wheat 72 cents, oats 30, corn 55, eggs 8.—H. J. Earl, Aug. 2.

Delaware County—Had a good rain July 24. Most of the corn has come out fine but upland fields are damaged. Bottom fields will make a full crop. Kafir and milo look promising. Stubble plowing being rushed as a large acreage of wheat will be sown.—John M. Rock, Aug. 2.
McIntosh County—Local showers on July 25 and 26 filled some creek banks full while other sections are still waiting for rain. Kafir still looks good but some corn is a failure. Silos are being filled. Cotton promises a good crop. Melons on shipping market.—H. S. Waters, Aug. 2.
Caddo County—Frequent local rains have made a fine corn crop. Cotton also looks promising. Wheat is making 15 bushels per

acre. Oats are no good. Hogs scarce and some cholera is reported. Alfalfa hay \$10, prairie \$8, hogs \$8.30, wheat 72 cents, corn 55, potatoes 50, apples 50.—H. Reddington, July 28.
Dewey County—No rain here since June 30. This has been the hottest July we have ever been up against. Except on the best blackjack glades corn will not make anything. Broomcorn has been cut short and kafir needs rain badly. Cotton may make a crop but needs rain too. Pastures dry but we have sheet water here so stock water is plentiful.—Wm. Liston, July 31.
Pottawatomie County—Very hot and dry here but had 1/4 inch of rain July 27. Last good rain was July 1. Corn crop will be 50

per cent short of last year's. Last cutting of alfalfa made a fourth crop. Cotton burning badly and cannot make more than 75 per cent of a crop unless rain comes soon. Pastures are gone and stock water getting scarce. Hot winds the last three days.—L. J. Devore, Aug. 1.
Mayes County—Wheat is about all threshed and has made a yield ranging from 15 to 30 bushels. Oats averaged about 30 bushels. Corn has been damaged by dry weather. Had nine weeks of drouth followed by a good rain over most of county July 20. Pastures good and stock looks well. Haying in progress. Hay \$8 to \$9, wheat 73 cents, oats 35.—L. A. Howell, July 31.

CAPPER BOYS CORN CLUB

Founded 1907

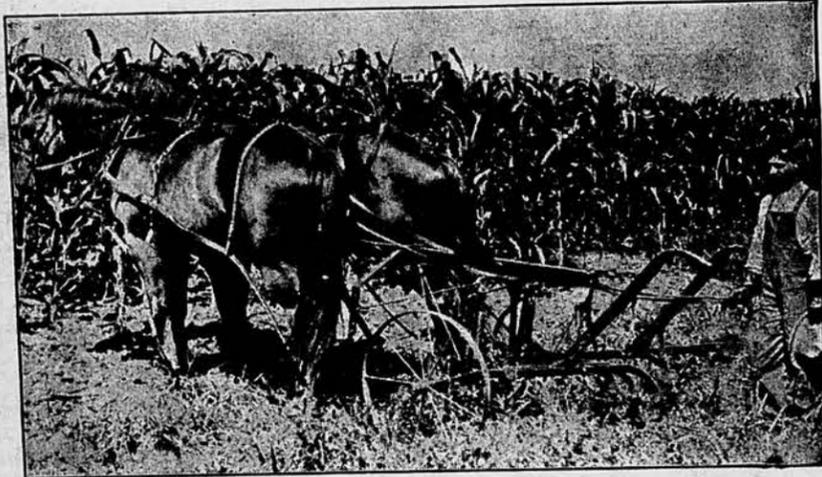


by Arthur Capper

Reports from the boys in the corn contest are not so hopeful as they were a month or two ago. Perhaps some of them will hardly find it worth while to husk their acre patches because the dry weather and hot winds fired the corn before it could develop ears.

But are these boys discouraged and ready to quit growing corn? Well, not much. That's not the way Capper boys do business. We will wager that right now, while the chances of a crop are growing slimmer every day, the boys who won't stay licked are planning for next year—planning how they will fall plow their ground, manure it this winter, and how and where they will get good seed corn.

One of the Corn Club boys that has the right stuff in him is George H. Delfelder of Effingham, Kan. He is 11 years old and has sent us a picture of himself and team taken in his acre field, July 5. "I raked and burned the stalks on my acre April 18," he writes.



George Delfelder, his team, and acre of corn. This picture was taken July 5. George's home is near Effingham, Atchison county, Kansas.

"The next two days I plowed it and April 21 I harrowed it. On April 30 I double disked the ground and May 1 planted it with a check rower. I harrowed my field May 7 and cultivated it May 22. The next day I replanted the patch with a hoe. On May 26, June 3, and 9 I went through the corn and hoed out all the weeds. I cultivated it twice more—on June 10 and 25, and on July 9 I went through it with a single plow. July 10 I cut out all the suckers." All we have to say is that George deserves to win one of the prizes. He is the second boy to win a jackknife by sending in a picture. We have a third knife ready for the next boy who sends in a good picture.

About the only thing left to do to corn now is to drag a mower wheel, or something similar, through the rows in case of rain. This will kill any weeds that may be starting and will also pul-

Advertising Is a Guaranty.

You buy an article that is not advertised—suppose it's a pair of overalls. You do it simply on your dealer's say-so. He is an honest man, but he did not make the overalls—they may go back on him.

But suppose you buy a brand of overalls that is advertised in Farmers Mail and Breeze. You know the dealer's word is backed up by the manufacturer's bond. Because the money the maker has spent for advertising is forfeit if those overalls rip. For the advertiser not to deliver the goods is suicide. It's only the "just-as-good" manufacturer to whom it doesn't matter whether his product is always and uniformly O. K.

verize the surface so the moisture will not evaporate. Big weeds take up a lot of moisture that the corn should have and if any have been missed it will pay to go through the rows with a corn knife or hoe and see that not one is left.

Capper Girls' Tomato Club

Well, the tomato harvest is on and the real fun has begun. But the girls are finding this contest is not all fun. It requires quite a bit of work to keep the tomatoes picked, weighed, and the weights recorded. A ripe tomato will not keep long and every pound will count in the end, but it will be best to keep them in a cool place for a day or two or as long as possible before weighing them. Then weigh all at one time and your weights will be more accurate. Besides, you won't have to bother



Lorene Childs and a sample of her tomatoes.

to win one of the prizes," is the hopeful message she sends the Tomato Club editor. Miss Lorene wins the collection of postcards for sending in this picture according to the offer made some weeks ago. Who wants the second packet of cards? The next good picture sent in takes them.

Capper Boys' Swine Club

In a letter to the Swine Club editor, Walter F. Hahn of Thayer, Kan., writes that he hasn't yet picked out his pig to enter in the contest. Walter's father has three purebred sows, the first of which farrowed April 2. This is the litter from which he will select his show pig but he says they are so nearly alike that it would be difficult to tell which



Clarence Cool of Columbus, Kan., feeding his purebred Brown Swiss calf, "William Tell, Jr."

one would turn out to be the best porker in the end. All of which is perfectly all right—in fact, if there is any advantage in doing so, he may put off selecting his pig until he gets ready to send him to the fair. Walter says the pigs are doing well considering the fact that they have no alfalfa to run on.

Fred Schrick, of Potter, Kan., writes that his pig "is just growing like a weed after a nice shower. That pig," he says, "is fit to go into the show ring right now. He was farrowed April 1. I am feeding him milk three times a day and will begin feeding meat meal soon."

A Short Broomcorn Acreage.

Crop statistics received by Secretary Coburn indicate that this year's broomcorn acreage in Kansas is nearly 50 per cent short of 1912. A large crop, last year, shattered the market and gave the speculators control. The result was that few growers made money on their brush, and last spring, a small crop was put out. With a small supply of brush, this fall, prices undoubtedly will rebound as they usually do in off years. Then next spring everybody will plant broomcorn again. Stevens leads all Kansas counties in acreage of broomcorn this year. The reported acreage in that county is 7,318, as against 14,811 acres in 1912, a decrease of more than 50 per cent.

Hot Weather Comfort For Hogs.

Before shipping a carload of hogs during the recent hot weather, a Sumner county hog raiser took a precaution that was both humane and good business foresight. He put a bed of sand on the floor of the car and hung bags of broken ice from the ceiling. The motion of the car brought down a cool drip, drip, on the hogs and this with the sand on the floor kept the \$9 porkers in comfort until they reached the Kansas City yards.

Help in Your Dressmaking

"Every Woman Her Own Dressmaker," is a fashion book which not only illustrates all the new styles, but gives plain and simple lessons and instruction on how to make the garments fit and hang, like those made by the skilled dressmaker. Patterns may be had from the Pattern Department of Farmers Mail and Breeze for all the designs illustrated. Retail price of the book is 25 cents but we send it free to any reader who encloses two 2-cent stamps to partly pay postage and cost of mailing. Address the Mail and Breeze Pattern Department, Topeka, Kan.

I need the Mail and Breeze and must have it as it helps me out in so many lines.—Albert Marshall, Springridge, Alta, Canada.

Eats Up Silage

Almost Feeds Itself
There's no equal to the original ensilage cutter. Almost feeds itself. Works steadily. Takes everything fed, green or dry, without a hitch. The

BLIZZARD Ensilage Cutter

cuts five different lengths. Knives adjustable when in operation. With its improved wind elevator it carries the cut food to any height, and distributes it evenly. Built so simple and strong it outlasts every machine of its kind. Absolutely guaranteed. Mounted or unmounted. Write today for

Free Booklets: (1) "Why Silage Pays" (2) "What Users Say," contains scores of letters from users. Any or all are free. Write today, stating whether or not you have silo.

The Jos. Dick Mfg. Co.
1456 Tuscarawas St.
Canton, Ohio

Why Silage Pays
1913
Blizzard
What Users Say

You Can Get An INDIANA SILO QUICK

We have all our Silo stock under cover, and its thoroughly seasoned ready to make your Silos.

Write, telephone or wire us, and we will make delivery quick.

Let us send you our Silo Book Free.

INDIANA SILO COMPANY
Distributors, Paper Ensilage Cutter.
The largest makers of Silos in the world. Address nearest factory:
579 Union Bldg., Anderson, Ind.
579 Indiana Bldg., Des Moines, Ia.
579 Silo Bldg., Kansas City, Mo.

Kalamazoo CENTER-SHEAR SILO FILLERS

Different and superior. Operate with less power, do more work at less cost. Only silo filler carrying the famous center-shear cut, and many other exclusive features. Catalog explains completely this wonderful feature and our extra-capacity, power-saving line. Send for it. Address Dept. 81

KALAMAZOO TANK & SILO CO.
KALAMAZOO, MICH.
Branches: Minneapolis, Minn.—No. Kansas City, Mo.—No. Fort Worth, Texas.

WEBER TRACTOR

FOUR-CYLINDER, 35 H. P.

The sensation of the century. Backed by Weber's 30 year's reputation. New Model, 35 Horse-Power. Lightest, strongest, most efficient tractor made. A complete power plant.

SAVE \$1,000.00

A wonderful price revolution. Tractor will pay for itself the first season. **FREE TRIAL** Full factory guarantee. Write quick for illustrated book and amazing price offer.

AMERICAN GAS ENGINE CO.,
Dept. 200 Kansas City, Mo.

CORN HARVESTER with Binder Attachment cuts and throws in piles on harvester or winrow. Man and horse cuts and shocks equal with a corn Binder. Sold in every state. Price \$20.00. W.H. BUXTON, of Johnstown, Ohio, writes: "The Harvester has proven all you claim for it; the Harvester saved me over \$25.00 in labor last year's corn cutting. I cut over 500 shocks; will make 4 bushels corn to a shock." Testimonials and catalog free, showing pictures of harvester. Address **NEW PROCESS MFG. CO., SALINA, KANSAS.**

Our Farmers' Cattle Knife

Free Knife

This Farmers' Cattle Knife is a beauty. It has one large scimitar, one spaying and one congress blade; Extra quality steel, double German Silver bolster and shield, brass lined, stag handle. This beautiful useful knife will be sent you FREE, postpaid, for securing only four 3-months subscriptions to the Mail and Breeze at the regular rate of 25 cents or we will send you our paper one year for \$1.10 and the knife free as premium. We guarantee the knife and will return your money if you are not satisfied. We know you will like it as we have given away hundreds and have never had a complaint. This illustration is one-half actual size. Write today.

MAIL AND BREEZE
Topeka, Kansas

QUESTION CORNER

It is not always possible to print replies to inquiries the first issue after the inquiry is received. Readers who wish a prompt reply by mail are asked to enclose a 2-cent stamp. If of sufficient general interest, the question and answer will be published subsequently. No attention is paid to inquiries not signed in full. Address questions to Editor Farmers Mail and Breeze.

A Way to Exterminate Crows.

Crows are growing numerous in this locality and are doing considerable damage. Is there any way to poison them or can you suggest any other method of getting rid of them?—A. E. A., Noble county, Oklahoma.

There is no safe way of poisoning crows. The best way to exterminate them, we believe, is to get after them in their roosting haunts on moonlight nights. The most difficult task about this plan is to learn where they roost. They usually gather in some isolated grove where they will sometimes be found by the thousands. It is easy to organize a party of men or boys old enough to handle guns for an evening of sport of this kind. Station your gunners about the grove and when all the crows seem to be there start the shooting. The birds not killed will fly around for some time then return to roost. As soon as they alight blaze away again and keep this up until no more return or until they are all killed.

Inspection of Immigrant Stock.

In taking horses and cows into Kansas by rail, where can I have them inspected, by whom, and what will it cost me?—J. R. J., Texas county, Oklahoma.

The best plan would be to have a veterinarian come to your place and test your stock. Any veterinarian with authority from your state livestock commissioner at Oklahoma City can do this work. The laws of Kansas require cattle to be tested for tuberculosis and horses for glanders. You will receive a certificate that will authorize the inspector at Liberal, Kan., to admit your stock into the state. Inspection officers are also located at Caldwell and Arkansas City. The tests may also be made by these inspection officers at the points named but this would mean a delay of 24 to 48 hours in order to give the tests time to show definite results. The maximum fee for inspection by these officers is \$10 on a shipment of stock into Kansas.

Where Pit Silos Won't Do.

How would you advise a pit silo to be made here in eastern Kansas? How would it do to weight the silage down with earth to make it pack sufficiently?—J. W. H., Osage county, Kansas.

We are not advising pit silos for eastern Kansas, as the amount of moisture in the ground is too great. The only way they can be properly constructed would be to provide under drainage to take off the surplus ground water. This would be impractical. It is therefore cheaper and better to build above ground with the exception of 3 or 4 feet.

As to covering the silage, we have found it to be advantageous, as it lessens the loss from spoiling on top. One of the best coverings is made of roofing material cut into lengths to fit the silo upon which 2 inches of dampened sawdust, earth, or half-rotted manure can be placed. These strips of roofing can be rolled up and put away when the silo is opened, thus using from year to year.

A weight on top of the silage is useful in packing and preserving. Several years ago it was common practice to place a board cover over the silage and put several tons of earth or stones on it. This method has been abandoned as it is considered too expensive for the amount of good received. A. S. Neale. Kansas Agricultural college.

Silage or Alfalfa Will Do.

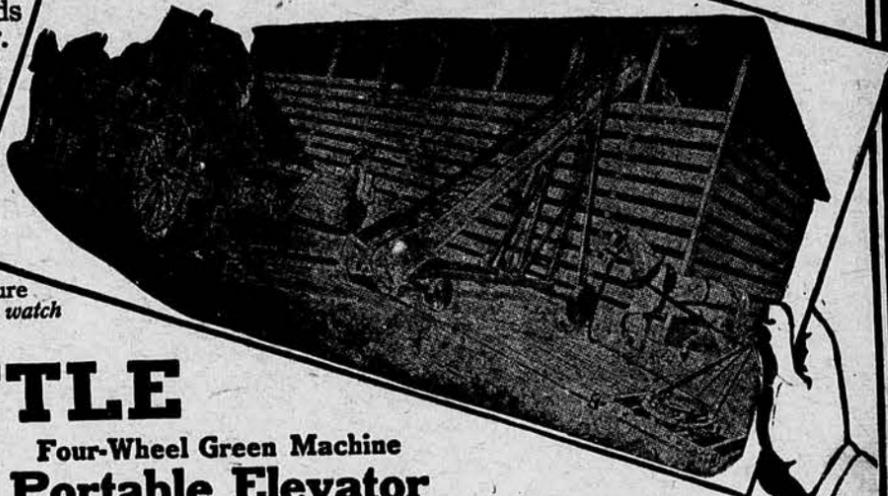
[Prize Letter.]

Mr. Editor—A shortage in pastures in late summer is best bridged by the silo. The size of the silo should depend on the number of cows to be fed, but most silos are too large for summer feeding. For summer use of a dairy herd of from 15 to 20 cows a silo should not be more than 10 feet in diameter. This will insure good silage even in the hottest weather, as it is removed fast enough to keep it from spoiling. If such a silo

How Cribbing is Done Without Scooping!

HERE is a truthful picture of a scene on thousands of farms every year.

It illustrates how work, time and money can be saved by any farmer grain who now cribs corn and small grain by scooping. It shows how the "Little Giant," the famous 4-wheel Green Machine, dumps and elevates a 60-bushel load of corn in 3 to 5 minutes. It shows how to cut out the back-breaking wear and tear on your health by eliminating the scoop shovel. And the farmer in the picture illustrates how much easier it is to watch than to work. You need



The "LITTLE GIANT" Four-Wheel Green Machine Portable Elevator

Think what it would mean to you to drive on a jack, from either side, throw a lever, start horse or engine power and up goes the load, right into the crib, distributed to any part of the bin you desire. There isn't a bit of hard work to it—all done by other power than that produced by your own muscles. And think what a saving in time that means! Think how easy it is to get good

huskers for less money—they work for less where there's a "Little Giant" to do the back-breaking work. And they do 20% more work in less time. We have demonstrated—and we have the proof—that the "Little Giant" makes money, saves work and saves time for the farmer who has 40 acres or more of corn to crib. Let us send you all the facts, figures and proof. If we do not convince you

of the practical investment—value of the "Little Giant" we lose. You take no risk in writing us. We know what the famous 4-wheel Green Machine is doing for thousands of others and we know it will do as well for you. Will you give us the chance to prove that you need the "Little Giant" if you want to obtain your greatest possible profits.

Get All the Facts NOW

The "Little Giant" is a business proposition. It is an investment, the best you can make, because it's money safely spent and pays the biggest interest. It will last a lifetime with ordinary care because it's made of the best and strongest lumber and steel. Has many advantages over all others—features like the Friction Clutch Steel Pulley. Can be furnished with jack and wide-wheeled portable derrick. Elevator has tight bottom to save loose grain—whole outfit can be folded and moved or stored easily, anywhere. Shelled green corn and silk in the crib means rattle and molding. Our new screen feature in bottom section separates it from the ear corn and saves it for feeding. You will be glad you sent for our book and read all the facts. We are glad to send you the coupon or a postal right now, before you forget it. Ask for Free Book of Crib Plans if you are going to build or remodel your cribs. Address

PORTABLE ELEVATOR MFG. CO.,
120 McClun Street, Bloomington, Illinois

FREE BOOK COUPON

Portable Elevator Co., 120 McClun St., Bloomington, Ill.
I am interested in your "Little Giant" Portable Grain Elevator and Wagon Dumps. Please mail me the book checked below, free.
Name.....
Address.....
State.....
 Catalog Book of Crib Plans
Put an X in box to show us just what book to send you.

is from 24 to 28 feet high it will hold enough silage to feed a herd of that size from 60 to 100 days. Then it can be refilled with new corn or Kafir. The new silage may be fed as soon as wanted after filling.

For a herd of cows less than 10 in number, I should prefer a pit or underground silo, as it ought not to be more than 6 or 7 feet in diameter. When empty it can be refilled at little expense and labor. The quantity needed per day—say 200 or 300 pounds—may easily be drawn up by hand.

For only two or three cows I should have a patch of rich ground near the cowlot, in alfalfa. On such ground alfalfa will grow with very little rain and will furnish an abundance of fine, succulent feed. By the time the last is cut the first will be ready to cut again. One must be careful in feeding this rank alfalfa as it is likely to cause bloat. It should be fed out of a close rack so the cows can get it only in small bites. Such a rack may be made of 2 by 4s, resembling the fence rail racks "back East." Also the alfalfa can be mixed with straw or hay. I have fed it both ways and have had little trouble with bloat. The alfalfa should be cut and hauled in no faster than it can be eaten up. J. V. Nauwerth.

Riley, Kan.

Some Mistakes in Irrigation

BY H. M. COTRELL.

[Written for Farmers Mail and Breeze.]

The one thing new irrigators will have to learn is to use intense tillage and as little water as possible. In the best potato growing irrigating section of Colorado the crop is watered two to four times only during the season. The rows are ridged high and a small stream of water is run through the deep furrow between the rows. The water is never allowed to get deep enough in the furrow to touch the tubers. The soil below the tubers is soaked just enough to

be thoroughly dampened. In most irrigated soils, if the water is allowed to touch the potatoes, disease starts immediately.

Killing Crops With Water.

I inspected a field of potatoes in New Mexico, the first crop the grower had tried under irrigation. Water was poured on the field until the ridges and plants were both covered and then the land was left until it began to crack. Just enough water should have been run through the furrows to have thoroughly dampened the ridge and the field should have been thoroughly cultivated as soon as dry enough.

A man with a good windmill built a storage tank and was irrigating an apple orchard. The ground was covered with water every day and, of course, no cultivation could be given. The leaves were turning yellow, and unless the watering is stopped the trees will soon be dead. Once in two weeks would be ample to irrigate that orchard and each irrigation should be followed by deep cultivation.

Successful Irrigation Farming.

At Fort Collins and Greeley, Colo., is one of the most skillfully irrigated and most productive areas in the United States. A few years ago a farmer in that section bought 160 acres and had money to buy enough water to irrigate but half of it. He gave his land intense cultivation and soon found that his 80-acre water right furnished ample water for the 160 acres. He gave still more intense cultivation and four years ago sold half of his 80-acre water right because the other half supplied all the water he needed for 160 acres. This farmer has a reputation throughout the state for large yields.

Another farmer in the same section secured unusually large yields with every crop. He worked his land 12 times before seeding, using plow, disc harrow and leveler and used water sparingly. Irrigated land needs the same thorough tillage advocated by dry-farming experts and then the least amount

Ends The Misery Of Wearing Worthless Trusses

How 60 Days Trial Is The Only Safe Way To Buy Anything For Rupture

Here is something absolutely GUARANTEED to keep rupture from coming out—something that does away with the misery-causing leg-straps and body-springs.



Away With Leg-Strap and Spring Trusses

So far as we know, our guaranteed rupture holder is the only thing of any kind for rupture that you can get on 60 days trial—the only thing we know of good enough to stand such a long and thorough test. It's the famous Clute's Automatic Massaging Truss—made on an absolutely new principle—has 18 patented features. Self-adjusting. Does away with the misery of wearing belts, leg-straps and springs. Guaranteed to hold at all times—including when you are working, taking a bath, etc. Has cured in case after case that seemed hopeless. Write for Free Book of Advice—Cloth-bound, 104 pages. Explains the dangers of operation. Shows just what's wrong with elastic and spring trusses, and why druggists should no more be allowed to fit trusses than to perform operations. Exposes the humbug—shows how old-fashioned worthless trusses are sold under false and misleading names. Tells all about the care and attention we give you. Endorsements from over 3000 people, including physicians. Write today—find out how you can prove every word we say by making a 60 day test without risking a penny. Box 545—Clute Co., 125 E. 23rd St., New York City

"Ropp's Commercial Calculator"
A Book of Great FREE Value to Every Farmer

This book is the greatest time and labor saver ever offered the American farmer. It is also a great money-saver and money-maker. It shows you how to accurately and instantly figure out any problem that may come up—how to figure estimates, wages, taxes and interest on any sum of money, any number of days, at any rate—tells bushels and pounds in loads of grain, correct amount at any price; weight and prices of livestock; contents of cribs, wagons, bins, etc. It is a "lightning calculator" always ready when you want it. Bound in red cloth covers, 128 pages, pocket size. One copy of this famous book free to all who send \$5 for a year's subscription to our well-known home and farm monthly. VALLEY FARMER Dept. 11 TOPEKA, KAN.

that will keep the plants up to their best. Excessive watering lowers the yield and injures the quality.



FOSTER'S FORECASTS

(Copyright 1913 by W. T. Foster.)

Washington, D. C., Aug. 9.—Last bulletin gave forecasts of disturbances to cross continent 8 to 12 and 13 to 17; warm waves 7 to 11 and 12 to 16; cool waves 10 to 14 and 15 to 19. Great extremes of temperatures will result, very warm near Aug. 8 and unusually cool near 12. These being the dates that the warm wave and cool wave will cross meridian 90, eastward bound.

Next disturbance will reach Pacific coast about August 17, cross Pacific slope by close of 18, great central valleys 19 to 21, eastern sections 22. Warm wave will cross Pacific slope about August 17, great central valleys 19, eastern sections 21. Cool wave will cross Pacific slope about August 20, great central valleys 22, eastern sections 24.

With this disturbance the temperatures will turn upward following the comparatively cool weather that followed the last disturbance and the last half of August is expected to be unusually warm and dry. Not far from August 12 showers may be expected.

The most severe storms of August will come with this last described storm wave but no very destructive storms are expected. These storms may be expected along parallel of latitude 40. The Baltimore storm July 29 was in time for our last storm period of July.

They Talked of Silos

BY J. W. JOHNSON
Field Staff of the Farmers Mail and Breeze.

Two hundred and fifty farmers met August 2 at the Beloit court house to hear O. E. Reed of the Agricultural college talk on "Silos and Silage". This special meeting was arranged by Glen White of the Beloit Lumber company. There are nearly 100 silos in Mitchell county and the stock men were eager to learn if the drouth corn would do for making silage and in this way insure sufficient feed for the stock.

Professor Reed made a trip over a part of the county in the forenoon to inspect the corn fields and in his afternoon talk exhibited sample stalks of corn from fields at different stages of maturity and explained how to handle the crop for the silo. He cautioned the farmers not to put up immature corn too soon. The corn will make better silage, he said, if put up rather dry than if it is too green. The stalk should be

well filled with sap or juice but should not contain an excess. If the corn is too green the silage made from it will be sour. If it gets too dry enough water can be added to cause it to pack well in the silo.

Prof. Reed told of the experiments conducted at the college in regard to kafir and cane for silage and gave results showing that these crops make practically as good silage as corn. He urged the farmers to grow more kafir and cane because of the drouth resistant qualities of these crops and the high yields of forage.

Farmers who own stock and are short of feed should put up silos, fill them with the drouth corn and insure a good feed supply to carry their stock through the winter. Corn which has suffered from the drouth will if put into the silo make better feed and keep more stock than if cured and handled in the ordinary way.

Ways of Tilling Wheat Stubble

Mr. Editor—In preparing wheat ground I have tried listing and working down the ridges with a disk corn worker, listing every second row and disking between; double listing and harrowing crosswise until level; also listing and disking every ridge, with all but six disks removed from the center. I have had good results with all these methods in some years, but the method I like best was to list every other row and follow with the disk. However, I have stopped using the lister entirely because it makes such a long drawn out job of preparing the ground, also because of the difficulty in leveling it, and the fight with weeds in wet years.

Still another way that brought good results was to plow early in July and, after usual fall rains came in August, I plowed again crosswise. This left the soil loose and ashy and in poor physical condition. After trying all these methods I am still clinging to an old system that has proven satisfactory through it all. As soon as the wheat is off the ground I put the whole force to plowing at 4 1/2 to 6 inches and keep it up until dry weather or weeds stop us. I double disk the remaining ground to stop weed growth. Several days after the first good rain I harrow the ground plowed first and plow the ground that was disked. This kills weeds and volunteer wheat. The later plowing should be followed with the harrow and if there are late rains follow with a light harrowing before seeding. By this method there will be enough moisture to bring up the new crop.

Lyons, Kan. W. W. B.

The stable fly should be scotched also.

A Puzzle For Mail and Breeze Boys and Girls

THE first four pictures you see here illustrate the names of four farm implements. Pictures in the second row illustrate the names of four domestic animals. A set of postcards will be awarded for each of the best 10 solutions received by Friday, August 15. To your solution attach your name and address, then mail to Farmers Mail and Breeze, Topeka, Kan., being sure to write in the lower left-hand corner, "Puzzle Department." Prizes are awarded not only for your skill in solving the puzzle but for the neatness, originality

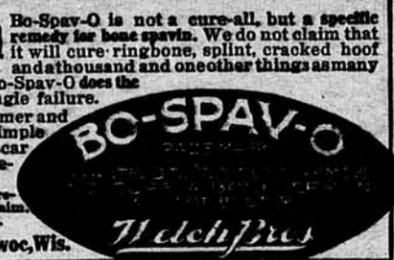


and general care taken in preparing the answers.

The puzzle in July 26 Mail and Breeze represented (1) Roman candle, (2) sky rocket, (3) cannon cracker, (4) flower pot, (5) keeper, (6) cage, (7) birds, (8) animals. The prize winners are Ethel Wilkie, Mooreland, Kan.; Neola Hurt, Mooreland, Kan.; Charles Sidles, Grinnell, Kan.; Alice A. Sidles, Grinnell, Kan.; Sabra Smith, R. 3, Junction City, Kan.; Ayaline Holland, R. 3, Columbus, Kan.; M. C. Hurley, Green, Kan.; Marion Wheeler, 814 Spruce street, Salina, Kan.; Fred Greenwood, R. 1, Eskridge, Kan.; Helen Root, R. 1, Eskridge, Kan.

This Remedy is GUARANTEED to Cure Bone Spavin

Bo-Spav-O is not a cure-all, but a specific remedy for bone spavin. We do not claim that it will cure ringbone, splint, cracked hoof and a thousand and one other things as many so called spavin cures are recommended for. Bo-Spav-O does the work. Tested in hundreds of cases—not a single failure. This great remedy can now be had by every farmer and horse owner at reasonable cost. The remedy is simple and easy to apply. Does not blister, nor leave scar or blemish of any kind. Removes and completely cures a bone spavin in three weeks. Absolutely Guaranteed and your money promptly refunded if it fails to do what we claim. Write today for interesting circular and complete details. Welch Bros. Co., 101 Milwaukee St., Oconomowoc, Wis.



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 10c per gallon? 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.

GET THE BEST TWO MAN POWER PRESS MADE

Here's the best Power Hay Press made. We guarantee it to do as much if not more than any other Press of equal size. Capacity limited only by the ability of the feeder. Sold with or without engine. Make no mistake—get the "MISSOURI." Write today for our liberal proposition and Free CATALOG. THE MISSOURI HAY PRESS CO., 1301 West 11th Street, KANSAS CITY, MO.

THIS SOLID LEATHER SUIT CASE FREE

This beautiful solid leather suit case finished with fine brass lock and trimmings, absolutely FREE to our agents. All that we require is that you show our samples and take a few orders for our celebrated, special made-to-measure clothes. We pay highest cash profits and give extra presents, your choice of 628 valuable premiums such as gold watches, musical instruments, sporting goods, hats, etc. Write for our free outfit and full particulars. SPENCER MEAD COMPANY, Dept. 565, CHICAGO

98 cents
5 YEAR GUARANTEE
Railroad Watch
To advertise our business, make new friends and introduce our catalog of High Watches we will send this elegant Railroad watch by mail post paid for ONLY 98 CENTS. Gentleman's size, full metal silver plated case, luminous on dial, lever escapement, stem wind and stem set, a perfect timekeeper and fully guaranteed for 5 years. Send this advertisement to us with 98 CENTS and watch will be sent by return mail post paid. Satisfaction guaranteed or money refunded. Send 98c today. Address R. E. CHALMERS & CO., 538 So. Dearborn St., CHICAGO.

CHAMPION MOLASSES FEED
Is the feed fed to all cattle that brought the highest prices on the five leading cattle markets during the year of 1912, far superior to cottonseed meal with ensilage, equally good with any feed, will save 30 days' time in feeding period, also a great milk producer. Write us. CHAMPION FEED CO., TARKIO, MISSOURI.

This Big Leather-Bound Webster's 825-Page Dictionary Sent Prepaid to Mail and Breeze Readers

Here is a book that is constantly needed by every man, woman and child. No other one book contains so much of practical educational value. The book illustrated here is a book such as would ordinarily retail for a high price. It is handsomely and substantially bound in soft leather covers and printed in large, clear, easily-read type. It is just the right size for home, office or school use. Contains "Business and Law Terms," "Famous Names and Familiar Phrases," "Punctuation Rules," "Forms of Address," "Patent and Copyright Laws," "1910 Census of Principal Cities," "Declaration of Independence," "Constitution of United States," "Simplified Spelling Rules," "Weights and Measures," "Foreign Words and Phrases," "Abbreviations," etc., in addition to complete definition and pronunciation of nearly 50,000 words. No home library, no reading table, no student's outfit is complete without a good dictionary—and there is none other more authoritative or more complete than the famous Webster. I have just made one of the largest dictionary purchases ever shipped into the West. I got them for a price way 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.

Cut Out and Mail This Coupon Today!

Arthur Capper, Publisher,
Mail and Breeze, Topeka, Kansas.
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.

Name

Postoffice

R. F. D.

State

Let the Government Build Roads.
Mr. Editor—We had a county road meeting here recently. The all important question is how to get them at smallest cost. Let the government do the work, issue money for the road fund, good for all purposes, as stamps pay all postage, hire all transient labor or convicts to do it and allow no graft. Eldorado, Kan. Z. Peffley.

The WOMEN
Conducted by



FOLKS
Mabel E. Graves

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

The woman who owns an electric flat-iron should be happy this hot weather. There is no hot stove, no running back and forth from stove to table, no trouble with cool irons. She simply stands in her cool kitchen, fastens her iron to a string from the ceiling, and irons and irons away. It sounds too good to be true, but it isn't.

Health is one of the great assets of Kansas. The man with poor health, though a millionaire, would give every dollar he owns to step into the shoes of the man who has a sound stomach, sound lungs, and a good liver.

During the hot, dry July that has just gone over our heads many Kansas women have seen their hope of winter fruits go glimmering. In a dry year we are willing to take almost anything that can be made to serve. Will some of our Mail and Breeze women who have had experience give us some of the recipes they use when real fruits fail?

When Baby Runs Away.

My little girl 14 months old was continually getting out of my sight until I bought a little 5-cent bell and tied to her arm. After that when I went out to look for her I could soon tell by the sound of the bell where she was.

Mrs. J. M. Nielson.

Marysville, Kan.

Oatmeal That is Oatmeal.

The best way to cook oatmeal or rolled oats is to take 1 part oats to 4 parts water, using cold water instead of hot. Cook slowly until it is a soft mush. They are creamy and delicious cooked this way. Add a little salt when putting on to cook.

Mrs. M. Thayer.

Richland Center, Pa.

Water For the Chickens.

The busy woman will find this a handy way of keeping plenty of water for the little chicks: Take a keg and put a faucet at the bottom. Fill keg with water, then turn the faucet so it will just drip and the chicks will always have water. We have our keg in a box covered with tar paper, and it is always cool.

Mrs. Claud Barrett.

Ozawkie, Kan.

A Help to Good Housekeeping.

Buy a penny tablet, tear off the back, and fasten the remainder with two brass-headed tacks to the inside of the pantry door. Tie a cord to a pencil and hang by the tablet. As groceries and other articles run low write them down. Then when you are ready to go to town you will have your list already made out without waiting to look through the pantry to see what is needed.

Mrs. C. A. Hall.

Oakhill, Kan.

Way to Serve Eggs.

For six persons prepare a cream sauce using 2 tablespoons each of butter and flour and ¼ cup of milk. Cook with ½ cup of grated cheese. Season with salt and paprika or red pepper. Pour half of this sauce into a shallow, well buttered baking dish and break over it 5 or 6 eggs. Cover with the balance of the sauce, sprinkle the top with cheese, and bake quickly until the eggs are set.

Mrs. Etta Adkison.

Starting At the Beginning.

Put ½ cake of yeast foam in ½ cup of lukewarm water at noon. Let stand until evening, then add 1 pint of lukewarm water and thicken the same as bread sponge. Let rise in a warm place over night. In the morning scald 1 cup sweet milk, take off the stove and add ½ cup of lard, and let stand until lukewarm. Add 1 cup of sugar, 1 teaspoon salt, ½ teaspoon nutmeg and 2 well beaten eggs to the sponge, then add the

milk, and stir in flour with a spoon until the desired thickness is obtained. It should not be quite as stiff as bread dough. Let rise and work down, let rise again and roll out. Cut, lay on a floured board in a warm place and let rise 1 hour, then turn them over and let rise 15 minutes. Fry in deep fat, roll in sugar, and lay on a cloth to cool. Do not pile them up until cool.

Mrs. W. F. Rhoades.

Dodge City, Kan.

Mixed Pickles.

Three quarts cucumbers, 1 quart green tomatoes, 1 pint onions, 1 large head cabbage, 4 peppers, ½ cup salt, 1 cup flour, 2 cups sugar, 3 teaspoons dry mustard. Cut all vegetables fine before measuring. Mix the sugar and mustard and add dry. Wet the flour to a paste, add with 3 or 4 quarts of vinegar, and cook till it thickens. Sprinkle with tumeric powder, add celery seed if liked, and seal hot. This will make 6 quarts of splendid pickle.

Mrs. C. Meyers.

Garnett, Kan.

Some Recipes Wanted.

I would like the recipe for making honey like you buy at the store, also a recipe for making lemon crackers and brown bread. I have had only a little experience in house-keeping. I married when only 19. Now I have a baby boy 2 years old. I read so many good recipes in the Mail and Breeze.

Mrs. R. P. B., Guymon, Okla.

The honey you want is probably the strained honey. About all that is needed is to crush the comb honey thoroughly, using a wooden potato masher or something similar, then put in a cheesecloth bag and hang up to drip for perhaps two or three days. If the bag is so coarse that fragments of the comb go through, making it cloudy, it can be strained again through a finer cloth.

How to Can Okra.

I am a reader of Mail and Breeze and like it fine, especially the woman's department and the poultry page. Will someone send a recipe for canning okra? I have lots of it and don't know how to put it up for winter.

Mrs. J. M. C., Fletcher, Okla.

Okra is a vegetable quite commonly raised in the South, but to northern housekeepers it is comparatively unknown. It may be canned in the same general ways as beans, the recipe for which was published last week. It is easily kept and makes a delicious vegetable for the winter. Wash the young and tender pods, cut them in short lengths, pack in the jars, cover with water and sterilize.

Apricot Salad.

One can apricots, 12 chopped marshmallows, ½ cup English walnuts, and some young lettuce leaves. Put together in a double boiler the yolks of 4 eggs, 4 tablespoons vinegar, 1 tablespoon sugar, 1 teaspoon each of salt and dry mustard, a few grains of red pepper and butter the size of a walnut. Stir over the fire 5 minutes. When cool add 1 cup sweet whipped cream and beat thoroughly. Drain the apricots and lay on the lettuce leaves. Add the nuts and marshmallows, and put 1 spoonful of the dressing on each plate.

Mrs. Frank Sloman.

R. 1, Effingham, Kan.

Ideas For Canning Time.

[Prize Letter.]

If the sugar is dissolved in a little hot water before using it in making lemonade it will not sink, and will sweeten the lemon more quickly.

When canning peaches save part of the stones and take out the pit. Put a large cup of sugar and 2-3 cup of water in a sauce pan. When the sirup boils drop in a cup of kernels and let boil gently for 10 minutes, then seal. This makes a delicious addition to fruit salad.

If you run out of new jar rubbers and have old ones on hand try dipping them

in melted paraffine and lay on waxed paper to cool. When cool put on the can and screw the lid on quickly. The paraffine helps seal the fruit securely.

Mrs. Frank Sloman.

R. 1, Effingham, Kan.

Here's Another Carpenter.

I glory in Mrs. Lillie York with her hammer and saw. I am with her as a handy carpenter woman. I surely would not have any coops for old biddy if I didn't make them, for the men folks are too busy. Try making yourself a screen, Mrs. York, if you have any use for one. I would like to send you the picture of mine. They are handy.

Bern, Kan.

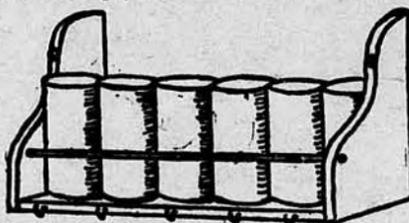
Mrs. Marie Williams.

[We shall be glad to have a description of one of those screens, with a drawing of how it is made.—Editor.]

A Shelf That Saves Steps.

[Prize Letter.]

I am sending a description of my step saver, which is a shelf made on brackets, with rail as in diagram. This holds six baking powder cans painted the same color as the shelf and woodwork, which hold salt, pepper, flour, tea, coffee and



Everything in Place.

sugar. The name of each is scraped on the can before the paint dries. This shelf is just over my oil stove, high enough to clear the oven. Put nails or hooks in the edge of shelf to hang spoons, cups, clock, etc., on.

Portales, N. M.

Clara Wymer.

Let us Have a Variety.

In some farm homes I have visited the same food remains on the table from one meal to another, except such as is served hot, until it is eaten up. There are often several kinds of jellies or preserved or canned fruit on the table at one meal. If hot food is left over it will be served in the same form at the next meal. The baby with two teeth will be fed on meat and then the mother wonders why the baby cries, or is sick. The women in these homes have been so busy with the details of washing, ironing, sweeping and cooking that they have fallen into the habit of cooking the same food in the same way and do not think of the many possibilities of change.

Columbia, Mo.

Ilena Bailey.

The "Once Upon a Time" Stories.

[Prize Letter.]

I wonder if many other women have found the same difficulty I have encountered in finding suitable stories for young children. The stories for children in high class magazines do not interest my children for the reason that they are

written in big folks' language. I have tried them again and again, but they are never interested unless I interpret; and I consider a story that is so incomprehensible it must be explained all the time an abomination.

I have told and retold all the fairy stories beginning "Once upon a time," and after each telling there is always the demand, oft repeated, "Tell it again." I have come to the conclusion that what children like in stories is a good deal of action and a well defined plot. Fairy stories have one great virtue; the good are always rewarded and the bad are always punished. A child's sense of justice is thus satisfied. But what are we to do when fairy stories are outgrown? I believe there is an open field for someone to win fame and much appreciation by writing stories comprehensible to children between the ages of 5 and 10 years. It is an easy matter to impress and interest by stories at this age.

I decided to branch out a little in the story telling for my children in order to instruct them as well as interest them, so I began with the story of Columbus. I told the whole story in short, everyday words, and it held their interest profound. After the story they plied me with questions, showing they had something to think about. It wasn't just an amusement and a "tell it again". Now I am planning other true stories of interesting historical facts, having decided to believe the trite saying that "truth is stranger than fiction." There is no regular time set for telling these stories; they come as special treats, and seem to be all the more appreciated.

"Just Plain Ma."

Making Head Save Heels.

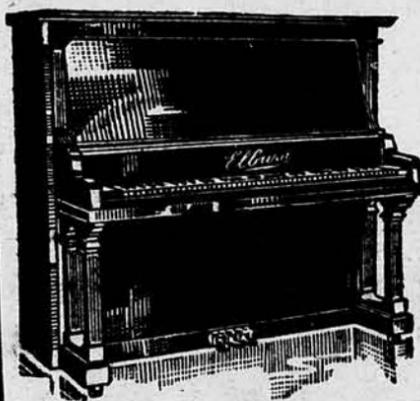
A book on "The New Housekeeping," by Mrs. Christine Frederick, discusses efficiency secured by "standardizing" methods in housework—which our grandmothers epitomized in the old saying "Make your head save your heels." The following questions are suggested for any worker who wishes to eliminate waste motions and increase efficiency:

1. Is my table, stool, board or working surface at the right height?
2. Are my utensils and materials needed for this task all before me when I begin?
3. Do I have to stop unnecessarily? Do I take useless steps?
4. Do I waste motion and energy holding a bowl or utensil in place, when it should be screwed to the table?
5. Is my position comfortable?
6. Are the tools and utensils grouped properly before me for this particular task?
7. Am I using the best and right tool for the purpose?
8. Is the tool properly adjusted and in good condition before I begin work?
9. Am I making any awkward motions or ones I could omit?

If you need anything not advertised in this issue of Farmers Mail and Breeze, write us and we'll tell you where you can get it.

BETTER PIANOS—

LESS COST— EASIEST TERMS.



Every home needs a piano—every home gets one sooner or later. Naturally when you buy you want to buy at a rock bottom price. The Jenkins Music Co., is the oldest and largest piano establishment in the West. The foundation of our growth is A SQUARE DEAL TO EVERYONE. There is no gush—no hot air in our advertisements. We believe that many piano advertisements are an insult to your intelligence with their FREE offers and other deceptive statements. We presume you prefer to buy a piano in a square business like way. We positively sell the best, most dependable pianos made—we positively provide the lowest prices in the U. S.

STEINWAY, VOSE, KURTZMANN, ELBURN, all pianos on comfortable monthly payments. Write for catalogue and prices—new pianos \$125.00 and up. Used pianos as low as \$50.00. Guaranteed new player pianos \$435.00 and up. Call and write.

J. W. Jenkins Sons Music Co., Kansas City, Missouri

Parkville, Mo., May 30, 1913.
Dear Sirs—In the spring of 1912 my brother, C. E. Hughes, of Kansas City, Mo., purchased an "Elburn" piano from you. It has always been satisfactory, and words cannot express the enjoyment we have had from it.
Respectfully yours,
MAURINE HUGHES, Parkville, Mo.

HOME DRESSMAKING

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

The pattern for Ladies' Dress No. 6216 is cut in five sizes, 34 to 42 inches bust measure. Size 38 requires 5 1/2 yards of 36-inch material. Boys' Overalls No. 6264 are cut in



three sizes, for boys 4, 6, and 8 years old. Size 8 years old requires 2 3/4 yards of 27-inch material.

Girls' Dress No. 6244 is cut in four sizes, for girls 6 to 12 years old. Size 8 requires 2 3/4 yards of 27-inch material.

USE THIS COUPON FOR PATTERN ORDERS.

Farmers Mail and Breeze, Pattern Department, Topeka, Kan. Dear Sir—Enclosed find cents, for which send me the following patterns: Pattern No. Size Pattern No. Size Pattern No. Size

Name Postoffice State R. F. D. or St. No. BE SURE TO GIVE NUMBER AND SIZE.

Giving Grandma Her Due. [Prize Letter.]

It is customary in a good many families to send the children to grandma's for a few weeks during the summer holidays. I know this is pleasant for the children, nice for mamma, and if grandma is not too old and has plenty of help it is delightful all around. But it is because I fear that grandma is not getting her full share of consideration I would have you think seriously about it.

It often happens that grandma has patiently and carefully reared her own family and now does not like to be responsible for the manners and morals of a flock of "modern" children, dear though they are. It therefore happens that while they are with her the children form a good many undesirable habits. Then, perhaps, grandma is just strong enough to do the work for herself and grandpa, and the extra cooking, dish-washing and beds are quite a burden to her.

Then grandpa, dear grandpa, so patient and willing to have his whiskers braided, his head crowned with flowers and his cane witched into a big black horse. Yet he is greatly worried when his poultry yard gate is left open, his strawberry bed trampled, or his tools lost in

the grass. So I say parents should wait until their children are larger, when they are sure they can help and not hinder the old folks, before they are allowed to go, baggage and appetite, for grandma to look after through the heated season. Reader.

Making Summer Weather Comfortable. [Prize Letter.]

If you do not have a comfortable dining room in which to eat your meals, try to make the kitchen as cool and pleasant as possible. Do as much of the cooking as you can in the early morning while it is cool, try giving the men folks lemonade, chocolate or cold tea. They will not ask for hot drinks when they find how much more cool and comfortable they are without them.

There are any number of appetizing dishes that can be cooked in the morning and served cold. Among them are fried chicken, beef roast, baked beans, potato salad, pickled beets, sliced tomatoes, tapioca pudding, apple sauce, and fruits of all kinds.

Try to do away with as much of the ironing as possible in hot weather. Fold the towels, dish cloths, sheets and everyday underwear neatly and run them through the wringer. They may not be quite so smooth but you will have a few less wrinkles in your brow, you will live longer, and have more time for the things that are worth while.

Don't be a slave to your work these hot days. Take things easy. Plan some kind of a change in your daily routine. Take a little vacation, even if you can't get away from home. Do something different. Try new methods of work; read some new books; go and visit some new people. Plan some picnic suppers out in the shade of the trees; it will please the children and you will feel younger. Do not worry and fret. Don't talk about the heat, and you won't notice it so much. Mrs. J. C. Tague.

Douglas, Kan.

Well Arranged Farm Kitchen.

By way of suggestion to anyone who might contemplate building a new house I will mention a few features of our house, which we have always considered very convenient. We have a cold and hot water system by means of a compressed air tank in the cellar. Off the kitchen, which is 12 by 18 feet, we have to the northwest a well lighted pantry 7 by 8 feet with an abundance of shelf space, two flour bins, and six spacious drawers; also sufficient wall space for hanging two large dish pans, towel rack, bread pans, colander, slaw cutter, etc. Beneath this is room for flour can—we do not keep the flour in the bins because of their attraction for the weevil and besides we have found them convenient receptacles for other things—a sack of sugar and bread box.

The bathroom is to the southwest of kitchen, a little larger than the pantry. This is furnished with bath tub, lavatory, mirror, comb case, etc., and a strip on one side of the room with hooks on which to hang men's hats, coats, overcoats, etc. The cellar way leads down between these two rooms and affords some hanging space and shelf room.

On the east side of kitchen and toward the south end a large cupboard is built into the wall. The upper portion opens into the dining room and serves as a china cabinet and sideboard, while the lower portion holds the cooking utensils in the kitchen. North of this cupboard sits the kitchen range, with fuel to the north. This allows enough room for fuel receptacles without interfering with passageway into dining room. North of the dining room door and in the corner is a large sink (left open underneath). The sink is along the north wall, and the spigots are as near the west end as practicable, because the kitchen cabinet which serves as work table beneath the north window is directly west of sink.

Since the house was built I have found other shelves necessary for convenience, and we have put them in. Mrs. Theo. Hartman.

A Baby That Never Cries. [Prize Letter.]

We have a baby nearly a year old who never cries. Everyone says, "I never saw such a good baby." She laughs and plays by herself all day long, coos herself to sleep and awakes smiling. She requires but little care. She has had a tub bath every day of her life, and is fed

every four hours as regular as the clock; she has taken no medicine and has never been cross even for an hour.

I attribute her perfect health to the fact that she has never been fed at the table as babies usually are. It is so delightful to watch them eat that when the babies sit at the table we are apt to give them things the rest of us have and then fail to connect the feeding with its unfailing result—nervousness, irritability, sometimes even summer complaint.

A child should have nothing but milk and water until it is past 1 year old. The second year it may have fruit juices, coddled egg, dry bread, chicken broth and oatmeal. Every doctor knows that a child under 2 cannot digest a food which contains starch. When every mother understands this there will be fewer sick babies. Pearl Chenoweth.

Jennings, Kan.

How to Keep Down Expenses

SOME OF THE LITTLE WAYS.

One often hears people say, "Oh, we don't care much for fruit or vegetables and it wouldn't pay us to bother with them." But just set one or both on the table before them and see how much they care for them. If women would only get in the habit of filling their cellars with fruit and vegetables they would see a noticeable difference in their book account at the grocery store. Vermillion, Kan. Mrs. R. S.

We have a small hand corn grinder that any of the children can turn. In that way we have our cornmeal fresh when we want it. We can adjust this grinder so it will crack any kind of grain and have often cracked corn or Kafir for a breakfast food, which does not taste bad when served right. The mill cost only \$3.50 and has paid for itself many times. Frank Mackay. Fair Valley, Okla.

Management is one of the main factors in keeping down living expenses, but good management does not mean that we must deny ourselves the necessities. Nor should we choke on a gnat and swallow a camel—for instance, do without meat and butter on our tables in order to buy a \$15 hat. Agra, Kan. Mrs. Robert Ragsdale.

In many homes the scraps from the table actually exceed the amount of food eaten and nine times out of ten this is the result of the children first being permitted to have more than they can possibly eat. Some grown people have the same habit. Mrs. W. P. L. Pampa, Tex.

Many of us pay as much or more for having a garment made than the materials in it cost. With a little patience much of this could be done at home and we would have a more satisfactory garment than if made to order by a seamstress with one trying on. Blackwell, Okla. Mrs. A. J. H.

A home canning outfit is quite a factor in keeping down living expenses. These canners are cheap, durable, and will can tomatoes, beans, sweet potatoes, and almost anything else grown in the garden or orchard. Galena, Mo. G. W. Browning.

It is a good plan to buy flour in 500-pound lots at the mill at the time of year the most wheat is going to market. Canton, Kan. M. A. W.

Sugar should be bought by the hundredweight either in winter or spring, as it is always higher in fruit canning time. Blue Mound, Kan. C. H. Austin.

One can buy peaches at \$2 per bushel for canning and save money over buying them already canned. Portis, Kan. Mrs. T. N. Garner.

I'd rather tend the garden than entertain the club. Galena, Kan. Mrs. W. G. B.

Dried Beans.

Pick the beans while tender, string them and scald in salted water, then place on tins and dry thoroughly. When wanted for use soak and cook until tender. Season with a piece of meat and an onion. These are fine. Couch, Okla. Mrs. H. H. Ratzlaff.

Victrola IV Oak \$15



This \$15 Victrola is of the same high quality which characterizes all products of the Victor Company.

Why should you hesitate another moment in placing this greatest of all musical instruments in your home? Other styles \$25 to \$200. Write for catalogs.

Victor Talking Machine Co. Camden, N. J. Exclusive Gramophone Co., Montreal Canadian Distributors



MAIL THIS COUPON FOR VICTOR CATALOG Santa Fe Watch Co., Victor Distributors, 823 Kansas Ave., Topeka, Kan. Name Address

This Beautiful 20 Year Watch \$3.75

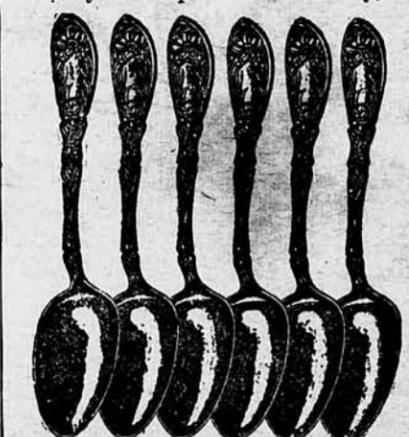
Examination Free. Let us send 11 C.O.D. to your express office, after you examine it, if you think it is a bargain and equal to any \$15.00 watch, pay the express agent your Special price \$3.75. Mention Ladies' Mail or Boys' Mail. THE MAIL AND BREEZE, Topeka, Kan.

We Make Good Cuts!

The Mail and Breeze has the most complete plant in Kansas for the making of first class half-tone engravings and zinc etchings. Particular attention given to livestock and poultry illustrations for letterheads, newspaper advertisements and catalogues. Our cuts cannot be excelled and are guaranteed satisfactory. Lowest prices consistent with good work. Write for information. THE MAIL AND BREEZE, Topeka, Kan.

SIX SILVER NARCISSUS TEASPOONS FREE.

I have just consummated a most remarkable purchase whereby I secured at a ridiculously low figure 5,000 sets of beautiful Silver Plated Narcissus Spoons made by the famous Oxford Silver Plate Company. Each spoon is extra heavy, full



standard length, extra deep bowl and with beautifully embossed and engraved handles. I am going to give a set of these handsome spoons absolutely free, postage paid, to all who send just \$1.00 to pay for a year's subscription to my big farm weekly, The Farmers Mail and Breeze. Send your subscription order at once and secure a set of these beautiful and serviceable spoons. State whether you are new or old subscriber. Time will be extended one year if you are already paid in advance. Address Arthur Capper, Publisher Mail and Breeze, Topeka, Kan.

I want the Mail and Breeze. It is the best farm paper in Kansas, I think.—U. M. Griffin, Girard, Kan.

FARMERS CLASSIFIED PAGE.

Advertisements will be inserted in this department at the low price of 5 cents per word each insertion for one, two, or three insertions. Four or more insertions only 4 cents per word each insertion. Cash must invariably accompany the order. Remit by postoffice money order. No order taken for less than \$1. This does not mean that a single insertion of your ad must cost \$1, but that your total order must reach \$1. All advertisements set in uniform style. No display type or illustration admitted under this heading. Each number and initial letter counts as one word. Guaranteed circulation over 104,000 copies weekly. Everybody reads these little ads. Try a "Farmers Classified" ad for results.

WHY NOT ADVERTISE YOUR LIVESTOCK ON THIS PAGE?

If you have a few pigs, a young bull or a Jersey cow to sell, this is the place to find a buyer. The rate is only 5 cents a word per issue. If you need anything in the way of breeding stock, try a small ad on this page.

HORSES, CATTLE, HOGS, SHEEP.

FOR SALE—4 good O. I. C. boars. 6 Jacks. 3 stallions. Joe Fox, Greeley, Kan.

REGISTERED Shropshire rams, Duroc boars, cheap. Arthur Bennett, Topeka, Kan.

PEDIGREED St. Lambert Jersey bull calf. Pedigreed greyhounds. B. Byers, Troy, Kan.

CLOSE'S up-to-date Poland Chinas. 50 choice Apr. and May pigs at farmer's prices for quick sale. C. D. Close, Gorham, Kan.

FOR EXCHANGE—Registered Standard bred stallion seven years old. Want registered jack or registered jennets. Dan Shore, Simpson, Kan.

EIGHTY RED YEARLING steers to sell or pasturage needed. Christian helpers and tenants wanted. Trained colliers for sale. Jno. Marriage, Mullinville, Kan.

PAWNEE VALLEY STOCK FARM. Double Standard Polled and horned Herefords. 100 bulls, singly or car load lots. Write your wants. Wallace Libbey, Larned, Kan.

MULE FOOT hogs. Choice spring pigs, either sex. I have never yet heard from a dissatisfied customer. Prices reasonable. Lakeview Stock Farm, W. A. Bone, R. 2, Silverlake, Ind.

HORSE OWNERS, something new and better; sure, quick, simple cure for spavin, ring bone, poll evil, fistula, big jaw. Write for easy trial lot offer. D. Hopkins, St. Francisville, Mo.

FOR SALE.

SECOND HAND motorcycles. D.H. Bibens, Larned, Kan.

FOR SALE—Corn, hay, feed, delivered anywhere in carlots. Get our prices. Bennett & Company, Topeka, Kan.

FOR SALE—1910 Sears auto buggy, good condition, very cheap; may take in good motorcycle. J. Krug, Herkimer, Kan.

FOR SALE—Sixteen horse steam tractor, good as new, \$375. Dandy little gas tractor, \$350. S. B. Vaughan, Newton, Kan.

\$9,000 GENERAL merchandise and home to exchange for farm in Kansas. A healthy business. Write owner. E. Hopfer, Alta Vista, Kan.

ONE THOUSAND bushels choice Turkey Red seed wheat \$2 per bushel. Reference, First National Bank, David Killean, Fairbury, Nebraska.

FOR SALE—A big bargain in a 16 horse Avery steam traction engine in good condition. Price \$375.00. Inter State Mer. Co., Louisburg, Kan.

NEW extracted honey 120 pounds \$10.00; 60 pounds \$5.25. Broken comb, 115 pounds \$12.00; 58 pounds \$6.25. Bert W. Hopper, Rocky Ford, Colo.

FOR SALE—Auto truck, good as new, 15 horse, capacity 2,000. Will do the work of 2 teams. Will sell at a bargain if sold soon. Address Wilson, care Capital office.

GASOLINE PLOW—15 H. P. gasoline engine and set of engine plows good as new. Will sell cheap or trade for young cattle. Address "Gasoline Plow," care Mail and Breeze.

FOR SALE—New 14 in. steel-beam, self-sharpening working plows, \$9.00 delivered your station, guaranteed absolutely satisfactory or money refunded. McReynolds Transfer & Storage Co., Chickasha, Okla.

FOR SALE—A limited number New Manson Campbell fanning mills and graders, complete with bagger and sieves for \$25.00 each. This remarkable offer is made owing to changed crop conditions. Inter State Mer. Co., Louisburg, Kan.

FOR SALE—One 40x80 Avery gas tractor. Has threshed 3,000 bu. wheat and plowed not to exceed 250 acres. One 10 bottom Avery self-lift plow, new; one Avery 36x60 Avery separator, feeder, weigher, wind stacker complete, has threshed not to exceed 40 days. They cost \$2,675 plus \$800 plus \$1100 equals \$4,575.00, besides \$280.00 freight; are as good as new. Price \$4,300. \$2,500 cash, balance time on good security. No trade. M. H. Osborn, Danville, Kan.

FOR SALE.

MEAT MARKET for sale in a good town of 500. Only one. Everything up-to-date. Also bakery. Part cash. Good terms. Box 547, Williamsburg, Kan.

FOR SALE—Butcher shop, ice, poultry and hides. In town of 400; the only bus. of this kind in town; paying 100% annually. Address Jno. W. Scott, Ford, Kan.

FOR SALE OR EXCHANGE.

FOR EXCHANGE—Kansas City Income for land. Address H. Mail and Breeze.

FOR SALE OR TRADE. Up to date telephone plant, 500 phones, good town. S. C. Holmes, Yates Center, Kan.

FOR SALE OR TRADE for land: Artificial ice, pop, ice cream and butter factory. County seat town. Good dairy section. Excellent shipping facilities. No near competition. Machinery new and up-to-date. Cheap electric power. Abundance good well water. Owner's health failing. Owner, care Mail and Breeze.

FOR SALE—AUTOMOBILES.

SEVEN passenger 60 horse power Winton six, fully equipped, self-starter, top and windshield. Cost \$3,000 when new. Can be bought for \$1,500. This is a great family car and has only been used by owner. Would also make profitable investment as livery car in country town. Call or address Mr. Wilson, care Topeka Capital, for demonstration.

LANDS.

FOR PRATT county farms, write D. B. Payne, Preston, Kan.

WANTED—To lease an equipped farm. Address H. Mail and Breeze.

BARGAIN—Improved 160-acre irrigated ranch. L. F. Wade, owner, Cortez, Col.

45 ACRES, improved, close in, \$4,800.00. W. R. Axtell, 1352 Mulvane, Topeka, Kan.

FOR SALE—240 acre farm, and other real bargains. Letona Realty Co., Letona, Ark.

HOMES IN THE OZARKS and other safe, profitable investments. Write A. A. Post, Dept. V, Rogers, Ark.

FOR TRADE—Muskogee property, farm land for general merchandise. T. B. Stewart, Muskogee, Okla.

BARGAIN—Fine 200-acre farm, no waste land. Well improved. 3 1/2 miles to live town on main railroad. H. Anton, Ionla, Mo.

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

FOR SALE by owner. 80 acre bottom farm, near town, well improved; 24 acres alfalfa; all alfalfa land. Box 56, Tonkawa, Okla.

WE GUARANTEE to sell or trade your farm or realty, and a square deal if you want to buy. Koller Realty Co., Crab Orchard, Neb.

FOR SALE—Improved 180 acre farm, all tillable, joining St. Paul, Kansas, which has \$100,000 Catholic church. Henry Haberman, Olinitz, Kansas.

SACRIFICE PRICE \$20 per acre Grant Co., Oklahoma, 160 acres, good stock farm, improved, a bargain. For particulars address O. L. Alter, Medford, Okla.

DELAWARE, the diamond state. New booklet; unusual opportunities; ideal homes. Fruit, or diversified farming. State Board of Agriculture, Dover, Del.

160 ACRES land. Improved. 130 acres corn, kafir, broom corn, sowed feed. Good stock range. \$1,000 cash, \$800 time. Dave Wright, R. R. No. 2, Arnett, Okla.

HOWELL county farms on easy terms; buy direct from owner; save commission; I have improved farms, ranging from 20 to 240 acres. C. C. Padgett, Mountain View, Mo.

BEAUTIFUL farm, with magnolia covered homestead, facing navigable stream, near Jacksonville, Florida, \$60 per acre. Might consider some exchange. Boyer, 306 Commerce, Kansas City, Mo.

ARKANSAS LAND FREE: 500,000 acres government land now open to settlement. Booklet with lists, laws, etc., 25c. Township map of state 25c additional. L. E. Moore, Little Rock, Ark.

LANDS.

SECURE CASH for your property, no matter where located. To buy or sell. Write for particulars giving full description. National Property Salesman Co., Dept. 1, Omaha, Neb.

FOR SALE—320 acres of choice land in south west Nebraska, 5 1/2 miles from Benkelman, the county seat. For further particulars address A. M. Clark, Formoso, Kan.

LAND—823 acres central Kansas, well improved; alfalfa in abundance; permanent water; priced low; would take in merchandise, small farm or city income; write or wire Kansas Land Co., Salina, Kan.

BRAZORIA CO., Texas, 80 acres Oyster creek bottom farm, all tillable, well drained, don't overflow, very fertile soil, well improved, \$40 per acre. Write for bargains in other farms. John Gilbert, Anchor, Texas.

ADVERTISE YOUR PROPERTY in Kansas Weekly Capital for quick and sure results. 200,000 circulation guaranteed—among best farmers in Kansas. Advertising rate only 5c a word. Address Kansas Weekly Capital, Adv. Dept., Topeka, Kan.

REAL ESTATE WANTED.

DON'T WAIT forever to sell, trade. We will locate you anywhere or no pay. Listing free. Write us. Farmers' Co-operative Land Market, Virgil, Kan. Agents write.

SEEDS AND NURSERIES.

FOR SALE—Alfalfa seed; clean; extra quality; seven to eight dollars per bushel. H. E. Clark, Republic, Kan.

PURE FULTS seed wheat for sale. We have the best in Oklahoma. Write us for prices. Hogan, Hayden & Co., Pryor, Oklahoma.

AUTO SUPPLIES.

40% TO 75% saved on tires. Printed guarantee for 2,500 miles with every tire. Generally run 3,000 to 6,000 miles. Every tire re-made by hand, free from imperfections and blemishes of all kinds. Our prices, 28x3, \$8.87; 30x3, \$7.35; 30x3 1/2, \$10.46; 32x3 1/2, \$10.96; 34x4, \$14.90. All sizes. All makes. Write for free catalogue and price list. Give size used. Peerless Tire Co., 1588(C) Broadway, New York.

MALE HELP WANTED.

GOVERNMENT FARMERS wanted. Make \$125 monthly. Free living quarters. Write, Ozmert 38 F, St. Louis, Mo.

CITY MAIL CARRIERS—Postal clerks—Wanted everywhere. \$90 month. Apply Franklin Institute, Dept R 53, Rochester, N. Y.

MEN—WOMEN—Get government jobs. "Pull" unnecessary. Thousands of appointments coming. List of positions free. Franklin Institute, Dept R 53, Rochester, N. Y.

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

4TH CLASS postmaster positions now open to everyone. Examinations everywhere may be called any time. Write for full description free. Franklin Institute, Dept S 51, Rochester, N. Y.

MEN AND WOMEN wanted for government jobs. \$65 to \$100 month to commence. Vacations. Steady work. Over 12,000 appointments coming. Parcel post requires several thousand. Influence unnecessary. Write immediately for free list of positions available. Franklin Institute, Dept R 53, Rochester, N. Y.

YOUR opportunity to learn salesmanship quickly. We want ten more good men to act as special representatives in the best territory in Oklahoma and Kansas. Will pay extraordinarily liberal commissions to start. Send one bank reference with application. Address, Circulation Manager, Farmers Mail and Breeze, Topeka, Kan.

LOCAL REPRESENTATIVE wanted. Splendid income assured right man to act as our representative after learning our business thoroughly by mail. Former experience unnecessary. All we require is honesty, ability, ambition and willingness to learn a lucrative business. No soliciting or traveling. All or spare time only. This is an exceptional opportunity for a man in your section to get into a big paying business without capital and become independent for life. Write at once for full particulars. National Co-operative Realty Company, L-157, Marden Building, Washington, D. C.

SALESMEN WANTED.

SALESMEN WANTED in every county. Liberal terms; cash weekly. Outfit free. Write for terms. Fayetteville Nurseries, Dept. 2, Fayetteville, Arkansas.

HELP WANTED.

GIRLS WANTED to take training for nursing; \$180 paid for the course. Baptist Hospital, Kansas City, Mo.

WANTED—2 good white cooks, 3 dining room girls and one dish washer. Address Bethany College, Topeka, Kan.

WILL PAY reliable woman \$250.00 for distributing 2000 free packages Perfumed Soap Powder in your town. No money required. M. B. Ward & Co., 218 Institute Pl., Chicago.

AGENTS WANTED.

CAN USE a few old experienced salesmen for Oklahoma and Kansas to act as special representatives in good territory. Write Circulation Manager, Farmers Mail and Breeze, Topeka, Kan.

SITUATIONS WANTED.

WANTED—Position as farm manager. Soil and farm improvement my specialty. Profit sharing plan only. Good references. Can take charge Sept. 1st. A. Reeves, Conway Spgs., Kan.

HOTEL WANTED.

I WANT TO RENT a \$2 a day hotel, furnished or partly furnished, in a good sized town—will buy perishables. Would buy hotel if satisfactory. Address P. O. Box 217, Tabor, Iowa.

DOGS.

FEMALE COLLIES, three fifty each. S. C. Gardner, La Harpe, Kan.

FOR SALE—White Spitz, Esquimo puppies; beauties. Walter Hobbs, Solomon, Kan.

SCOTCH COLLIES—All sizes. Fourteen females. Southport Sample stock. J. C. Starr, Vinita, Okla.

COLLECTING AGENCY.

BAD DEBTS above \$50.00 collected on commission. Bank references given. N. S. Martin & Co., Arkansas City, Kansas.

OILS.

WRITE us for prices on oil and greases. Complete line; lowest prices; immediate shipments. The Neosho Valley Oil Co., Chanute, Kan.

PATENTS.

SEND FOR FREE BOOKLET, all about Patents and their cost. Shepherd & Campbell, Patent Attorneys, 500 C, Victor Bldg., Washington, D. C.

IDEAS WANTED—Manufacturers are writing for patents procured through me. 3 books with list 200 inventions wanted sent free. Advice free. I get patent or no fee. R. B. Owen, 34 Owen Bldg., Washington, D. C.

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

MISCELLANEOUS.

E. R. BOYNTON HAY CO., Kansas City, Mo. Receivers and shippers. Try us.

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

PLACES found for students to earn board and room. Dougherty's Business College, Topeka, Kan.

THE ANDERSON LOADER, loads manure, cornstalks, stackbottoms, dirt, gravel, sand; no hand work. Write Anderson Mfg. Co., Osage City, Kan.

WANTED—Farmers to write me, I will write them how to buy a \$45 guaranteed sulky plow for \$25 delivered. W. P. Brown, Coffeyville, Kan.

POULTRY MAGAZINE—Big 40 to 80 page illustrated magazine of practical, common sense chicken talk. Tells how to get most in pleasure and profit from poultry raising. 4 months on trial only 10c. Poultry Culture, 304 Jack-on, Topeka, Kan.

Curing Sorghum for Forage

BY A. B. CONNER,
U. S. Department of Agriculture.

Mr. Editor—Sweet sorghum for hay should be harvested when in the late milk stage. If cut at this time the forage is more palatable and will give the greatest feeding value per acre. Large fields can be cut in the same order in which they were planted, which will in most cases allow harvesting at the proper time. Where a seed crop is desired cutting may be delayed until the seed is well in the dough stage

without materially decreasing the feeding value of the forage.

Probably more than half the sorghum grown for hay is improperly cured. Most frequently, in curing, too much sunlight is given, which darkens and injures the hay, allowing much of its flavor and aroma to escape and also burning it, destroying much of its feeding value. Mown sorghum should therefore never be left in the swath to cure, but should be raked into windrows and cocked as soon as thoroughly wilted, which is usually about a day after cutting. The curing usually takes about three or four weeks of sunshiny weather,

and by that time it will have cured into bright, sweet, well-flavored hay. In humid regions these cocks should be made quite small, so that in case of rainfall they will dry out without moulding.

Unless to be fed early from the field the forage should be stacked or stored as soon after curing as possible. Stacks should be made long and narrow, and in line with the prevailing wind. When feeding it from the stack the use of a hay knife will be found the most satisfactory for getting out the hay, and it should always be taken from the end of the stack least exposed to the weather.

If properly cured, sorghum hay is one of the best kinds of roughage grown on the farm and all livestock eat it greedily.

Old Files Make Good Chisels

Mr. Editor—The best cold chisels I ever used were made from old files ground sharp. Grinding them on a dry stone generally takes out enough temper so they will not be too hard and brittle. By bending the sharpened end at right angles I have a chisel with which I can cut a rivet head out of a counter sunk hole.
Zeandale, Kan. P. G. Smith.

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.

WRITE J. M. McCown, Emporia, Kansas, special bargain list, farms and ranches.

320 ACRES Franklin Co., Kansas. 1 mile town, new house and barn, good location. \$60 a. A. E. Clark & Son, Pomona, Kan.

GET on the new R. R., where land only sells for \$10 to \$15 per a.; best land in state; fine water. Life Real Estate Co., Hugoton, Kan.

BARGAIN: 80 a. imp. 4 miles out. \$3,800. Send for list. F. C. LIBBY, Blue Mound, Linn Co., Kansas. J. L. Wilson, Salesman.

1143 A. ranch, adjoining shipping point. 100 a. best bottom. Good imp. Price \$40,000. Cowley-Hays & Co., Cottonwood Falls, Kan.

SPECIAL: 1/4 section, imp. All tillable. Stevens Co., near new R. R. Ten fifty, part cash. Write for list. Luther & Co., Rolla, Kan.

FOR SALE: Choice imp. farm close to school, church, phone. R. F. D. On creek. Terms, 1/2 cash, bal. 6%. J. H. King, Cawker City, Kan.

FOR SALE—6 room modern house, cellar, porch, 3 lots, barn, cistern, fruit and shade trees, near Central park. S. S. McFadden, 1424 Lincoln, Topeka, Kan.

WIDOW MUST SELL a clean, clear \$3,500 stock general mdse. at a sacrifice. Poor health the cause. A little cash, bal. approved security. J. A. Decker, Valley Falls, Kan.

FURNITURE and fixtures for an 8 room hotel, all up to date, in live eastern Kansas town; cheap rent, desirably located, brick building. \$800 value. Splendid opening for right man. Libby & Wilson, Blue Mound, Kas.

CLARK CO., KAN. 800 a. 7. ml. south of Bloom, 12 of Minneola; 400 broken and planted 1913. About 200 hay and grazing; inexhaustible springs; fenced; \$15,000. Terms. Owner, Robt. C. Mayse, Ashland, Kan.

ARK. land. 444 a. sandy loam adjoining town of Washington; large house, 4 tenant houses, fine timber, plenty water, 80 a. Bermuda grass. \$25 a. Terms. Write for list. Horton & Co., Hope, Ark.

FINE FARM IN CHASE CO., KAN. 360 a. 2 ml. R. R., 175 a. bottom land, 40 a. in alfalfa, 185 a. grazing land. Fair Imp. No better land in Kan. This bottom land. Running stream, abundance timber. \$20,000. Very liberal terms on \$12,000. J. E. BOCOOK, Cottonwood Falls, Kan.

SPECIAL STOCK FARM BARGAIN

The hot dry weather has come and gone, leaving us in as good or better condition than the best, which is evidence that Coffey Co. is the best place to buy a good cheap farm.

320 a. fine land, 3 1/2 ml. of town, 7 room house, small barn, good orchard; fine location, plenty of good water; good surrounding country; 1,000 a. in cult., bal. good grass, but can be plowed. The price is right. Will divide and sell 160 a. or 200 a. Good terms. Write for description.

W. H. Lathrom, Waverly, Kans.

Do You Want a Larger Farm Cheap?

I own 1056 acres 85 miles S. W. of Kansas City and 1 mile from R. R. Sta. Blue grass pasture, Clover, Timothy and Wild Grass meadow. Fine corn and wheat land. Two sets of improved mounds. I will sell in one body or will subdivide. I will take clear E. Kansas Land up to 25 per cent in part pay. If you want a good big farm at a very low price write. Don't offer any cats and dogs in trade.

J. P. Slaughter

313 Woodlawn Ave., Topeka, Kansas.

Southeastern Kansas Land

Best stock ranch in eastern Kansas, 1394 acres, splendid land, all fenced and cross fenced; 3 1/2 miles woven wire fence with posts of osage orange; 620 a. in cultivation; 400 a. meadow; 350 a. pasture, with 2 miles creek water; lined with 100 a. timber of best varieties through pasture. House No. 1—7 rooms; barn 32x200 feet, mow room for 350 tons of hay, 40 stalls. House No. 2—4 rooms; barn 28x40 feet, mow room for 35 tons of hay. House No. 3—4 rooms; shed barn for 10 horses; granary for 2000 bushels wheat; small barn for 9 horses, with hay mow; warehouse 20x40 feet; 3 stock wells, wind pump, abundance of excellent water. Land has been used as a horse ranch for over 30 years. 1000 loads of manure applied annually. Land is in a high state of cultivation, and constantly improving. Located 4 miles from R. R. station, and 7 miles from county seat. This is not only the best but the cheapest stock ranch in eastern Kansas. Price \$50,000; \$35,000 down, \$15,000 in 5 years at 5 per cent. No trades.

480 a. best second bottom land 2 1/2 miles from R. R. station, 5 miles from Chetopa, Kan.; 195 a. in cultivation; 195 a. meadow; 90 a. pasture. 6 room house; barn 20x30, with hay loft; sheds, cribs, etc. Meadow cuts two crops annually. No rocks, hills, swamps, or any other blemishes. A flowing artesian well of purest water—has cured many sick people; splendid location for a sanitarium. All black, sandy, second-bottom land. No trades. Price \$17,000, in payments.

102 acres, high bottom land, on bank of Neosho river; 50 a. in cultivation; 50 a. fenced for pasture, timber in pasture; frame house, four rooms; stable for four horses; excellent alfalfa land; buildings need repairs. Very cheap at \$3,000; \$1,000 down, long time on balance.

Other bargains; send for list.

J. B. Cook, Owner,
Chetopa, Kansas.

320 A. good land in Stevens Co., Kan., 6 r. house, stable, well and mill; fenced; 100 a. cult.; ideal stock or dairy farm; carry \$1,250 if desired. John A. Firmin, Hugoton, Kan.

FARM 320 acres, 40 a. pasture, 10 hay, balance under plow; 8 miles to Caldwell, Kan., 3 miles to R. R. station, 1/2 mile to school house, 1 mile hedge, 1,000 posts; 7 room house; 3,000 bu. granary; new barn 32x36, mow for 10 tons; good water; a bargain at \$45 per acre. Nice 6-room cottage, Caldwell, Kan., close in. Write L. L. Knowles.

ROOKS CO., Kansas, snap; 160 1/4 miles of Paico, well improved, all fine land, ideal home and money maker, for thirty days can sell at low price of \$36.50 an acre. Some terms. Buxton, Utica, Kan.

HAVE A GOOD RANCH proposition near Wichita Mountains. 200 acres—80 a. in cultivation, good barn and 6-roomed house. Will sell \$4,000. Plenty free grass close. Would form partnership with man with a bunch of Shorthorn cows. Dr. F. Dinkler, Ft. Cobb, Okla.

I HAVE the finest grain, stock, and alfalfa farms in Sumner county, from \$45 and up, per acre. Well improved. Good water. Fruit and vegetables. Write me what you want. Information free. I also make exchanges. Write H. H. Stewart, Wellington, Kan.

FOR SALE BY OWNER. 16 quarters, adjoins German settlement Minneola. Small pay, bal. 8 years 6%. Write at once. Box 317, Minneola, Kan.

FARMS FOR THE POOR. Imp. E. Kan., Neb., and Mo., EASY PAYMENTS, or exch. Also Topeka homes. Kaw Valley Exchange, 104 E. 6th, Topeka, Kan.

FOR SALE. 320 acres level wheat land \$9.00 per acre. Carry 1/2 on land. Also many other good bargains in corn, wheat and alfalfa lands. L. E. PENDLETON, Dodge City, Kan.

FOR SALE. Flour mill, 60 bbls. Both water and gas power. Plenty of wheat at home. Must be sold in a short time. OSCAR SCHMITZ, Alma, Kansas.

ALFALFA AND WHEAT LANDS at \$20 up. Grass lands \$10 up. Crops are good; prices are rapidly advancing—NOW'S the time to buy. List free. A few exchanges considered—they must be gilt edge. PICKENS & DENSLAW, Meade, Kan.

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

NORTHEASTERN KANSAS BARGAINS. 195 acres, imp., 4 miles out, \$42.50 per a. 160 acres, improved, 4 miles out, \$60 per a. 80 acres, improved, 5 miles out, \$65 per a. 100 acres, improved, 3 miles out, \$70 per a. 200 acres, finely improved, 3 ml. out, \$70. COMPTON & ROYER, Jefferson Co., Valley Falls, Kan.

SEDGWICK COUNTY FARM BARGAINS. 80 a. farm near R. R. town, good 6 room house, large new barn, orchard, fine water, good land, only \$4,500.00. Terms, one-third cash, 145 acre farm, good house, 2 barns, best land, \$58 per a. Terms to suit. 21 a. bottom farm, good house, barn, 12 a. alfalfa, in suburbs of Wichita, \$6,500. 280 a. bottom farm—alfalfa proposition; soft water, 15 feet any place on farm. \$50.00 per a. Terms to suit. Call or write. H. E. OSBURN, 227 E. Douglas Ave., Wichita, Kan.

ALFALFA FARMS Write for list of farms and ranches near the best college town in the state. GATTLER RANCHES T. B. GODSEY, Emporia, Kan.

Hot Weather Prices

During July and August only you can buy any of my choice town lots in Plains, Kansas, on terms of \$1.00 down, balance \$2.00 per month, if you will cut out this ad and send to me. Prices ranged from \$17.50 to \$50.00. All well located lots and "monemakers." Act quick for the best. JOHN W. BAUGHMAN, Plains, Kan. Desk G.

Half section choice blue stem grass land; spring water. F. L. McCoy, Eskridge, Kan.

SECTION, 1/4 alfalfa land; balance hay or pasture. Fine imp. Plenty of water. Five miles town. P. D. Stoughton, Madison, Kan.

240 A. well improved; 150 a. broke, balance grass, fine stock farm; \$50 per a. Write for photo. Gutech, the land man, Hope, Dickinson Co., Kansas.

400 A. improved ranch, \$40 acre; well watered. Glen Riley, Waverly, Kan.

158 a. Impr., Furnas Co., Neb., \$5,000; mtg. \$1,200; want less land, east. 400 a. impr. Washington Co., Kan., \$30,000; mtg. \$8,000; equity for N. E. Kansas land. 240 a. Impr., Washington Co., Kan., \$85 a., mtg. \$10,000; equity for Cheyenne Co., Kan., farm. PRALLE BROS. REALTY CO., Bremen, Kan.

80 ACRES in Greenwood county, just fairly improved. Price \$3,200. Terms, \$500 cash, balance like renting. Address owner. Lock Box 367, Iola, Kansas.

A SNAP TWO MILES FROM TOWN, on the new railroad in Southwest Kansas. A fine level quarter, 2 ml. from Rolla; good house, barn, good well, wind mill, reservoir, and tanks; chicken house; 70 a. in cult.; fenced; 240 a. pasture adjoining; low rent. About 300 growing trees of various kinds. Imp. worth \$800. Price only \$1,600. Unimp. land not so well located, selling for \$2,400 and \$2,600 per quarter. A forced sale and a snap. Rolla is one of the best towns along the new railroad. Write for further information. DON VAN WORMER, Rolla, Kan.

"OWNERS MUST SELL." 160 acres; 50 acres in hay meadow; remainder in clover and timothy; 3 miles town. Price \$55.00 per acre.

165 acres located 1/2 mile of a good town in Franklin Co. 85 acres creek bottom; 15 acres timber; 40 acres clover and timothy. 7 room house; barn 30x40. Price \$10,000.00.

175 acres located half mile of town in Franklin Co., Kansas. 7 room house; barn 40x52 with basement; 2 never failing wells; all hog tight. Price \$56.00 per acre. Enc. \$4,000.00 at 5%. Come at once. MANSFIELD LAND COMPANY, Ottawa, Kansas.

NEW YORK

WE HAVE all kinds of farms for all kinds of people. Bargains coming every day. Write for catalog. Hall's Farm Agency, Owego, Tioga county, N. Y.

NEW MEXICO

FOR SALE—Improved and unimproved farms. Also city properties, cheap. Good investments. Jas. J. Hall, Tucumcari, N. M.

CHEAPEST, best irrigated lands in the world \$25.00 to \$40.00 per acre. For information address Dan Vinson, Portales, N. M.

CANADA

CANADA For sale, improved farms, ranches and raw lands in Southern Alberta. LYNN W. BARRETT, Aidersyde, Alberta.

FOR SALE OR EXCHANGE

TRADE improved Osage Co., Kansas, 80 for residence; 160 for smaller farm. W-P Farm & Mortgage Co., Burlingame, Kan.

NEW brick bldg., in good town, \$2,800; mtg. \$1,200. What have you clear for equity? Walter Hanson, Real Estate, Sabetha, Kan.

\$16,000 GENERAL merchandise, never changed hands; for good Kansas land. A. W. BREMEYER & CO., McPherson, Kan.

FOR TRADE—Stock of gen. mdse., in small town; invoice about \$5,000. Want farm of equal value; clear. Address Box 80, Watova, Okla.

WE BUY, sell and exchange real estate. Write today. Tell us what you want to buy, sell or trade, or trade for. J. M. Garrison, Attica, Kansas.

320 A., 115 a. river bottom; bal. valley land; 7 r. house; price \$22,000. Want hardware or mdse. Owner's Sale & Exchange, Independence, Kansas.

IRRIGATED lands; any size tracts for sale or exchange; terms to suit. We exchange property in any state. Give full description in first letter. Southwestern Lands Co., Colorado Springs, Colo.

ACCOUNT death of proprietor, widow will trade for farm property or sell cheap for cash. 2-story brick hotel, 75 foot front on Main street; doing \$3,000 to \$4,000 business a year. Sallie Boyer, Owner, Tyro, Kan.

341 A. 3 1/2 ml. of Laramie, Albany Co., Wyo., for sale or trade for E. Kansas, N. W. Missouri or E. Nebraska land. 183 a. Jefferson Co., Kan., for sale. A bargain. Box 295, care of Farmers Mail and Breeze.

120 A. 3 ML. OF WELDA, KAN. 80 cult., 40 pasture, \$60 per acre, mort. \$2,100, wants mdse. 320 acres 2 ml. of Garnett, Kan., 200 cult., bal. meadow and pasture, \$30,000, clear, wants smaller farm, timber or rental. SPOHN BROS., Garnett, Kan.

TO TRADE OR SELL

480 acre Pawnee River bottom farm, well improved for cattle ranch in western half of Kansas. Want grazing land. If you really want a deal and have something you will price right, write me for full particulars. Address M. W. PETERSON, HANSTON, KANSAS.

LOUISIANA

DON'T be a renter, we sell finest improved corn land in North Louisiana on 15 years' time. Write HUGO JACOBSON, Sallina, Kansas, immigration agent.

LOUISIANA LANDS.

We offer some bargains in Louisiana lands near Shreveport. Write for free map of state. W. A. Jones, Shreveport, La.

COLORADO

HOMESTEAD. If you want a homestead, now is your chance to get a fine 320 acre homestead relinquishment in eastern Colorado. Write Box 418, Goodland, Kan.

WILL SELL you eastern Colo. alfalfa farms. Irrigated \$65 to \$150; non-irrigated \$5 to \$35. Trades considered. Demaray & Paschall, Holly, Colo.

CHASE COUNTY BARGAINS.

240 a. 155 a. creek bottom in cult., 52 a. alfalfa, 6a. timber, large orchard and fruits, 9-room house, attic, basement, 2 barns and tenant house. Price \$75.00 per a. 4 miles good town. R. F. D. and telephone. A. J. Klotz & Co., Cottonwood Falls, Kan.

SPLENDID FARM \$12.00 PER ACRE.

480 acres extra good, level, rich productive land in best part of Pleasant Valley, 6 miles from new growing town of Brandon, Colo., on main line of Mo. Pacific. Fine, free, open range adjoining. Good grass on all; livestock does well the year round. Ideal location for dairy or stock farm. Good markets. Price is half value for quick sale. Write for full information or come and see for yourself. This is strictly desirable land and great bargain. Land prices going up fast here. S. S. Sanger, Brandon, Colorado.

READ AND INVESTIGATE.

Alfalfa lands in the shallow water district of Colorado from \$15 to \$25 per acre. Crops fine. Richardson & Hamilton, Agate, Colo.

320 HOMESTEADS 320

I now have a few 320 acre homesteads relinquishments at from \$200 to \$1,000, perfectly level, every acre tillable, no better soil, fine water, good schools, in good neighborhoods. They will not last long. If you want a home write me now. R. T. CLINE, Towner, Colo.

Lamar, Colorado

The Helvetia Milk Condensing Co., who make the celebrated "PET" brand, are erecting a modern condensing plant there to take care of the milk of 8,000 cows. The factory will be ready by Feb., 1914. Lamar is the center of a vast irrigated district in the Ark. Valley. Alfalfa, Sugar Beets, Wheat, Oats, Kaffir-corn and Seltzer are grown in large quantities. Now is the time to locate there with a herd of Holstein cows. Alfalfa lands can be purchased in any size on reasonable terms. Great opportunity for practical dairy men. If interested write to THE LAMAR COMMERCIAL CLUB.

GROCERIES for land or land for mdse. F. Gass, Joplin, Mo.

EXCHANGES—all kinds—free list. Foster Bros., Independence, Kan.

2 ARKANSAS fruit farms for mdse. or E. Kan. farm. Watkins Co., Quenemo, Kan.

FARMS, stocks, and city property for sale or trade. What have you to offer? Bigham & Ochiltree, 802 Corby-Forshee Bldg., St. Joseph, Mo.

FOR SALE AND EXCHANGE. Washington Co. improved farms at \$50 to \$180 a. Write F. E. Beeson, Washington, Kas.

WANTED, SMALL FARM. Will trade 640 acres well improved land for a small farm in Kansas or city property, elevator or mill. What have you? Frank Curry, Panhandle City, Tex.

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

For Sale or Exchange

Three 5 room cottages in good repair near Carnegie Library, So. St. Joseph, Mo. Annual rental \$450. Always rented and for cash in advance. Will exchange for stock of hardware, furniture or both. See, call on or write us for N. W. Mo. famous bluegrass farms. Splendid crops of all kinds. Terms and prices reasonable. W. L. BOWMAN REALTY CO., King City, Mo.

DON'T HESITATE—WRITE US TODAY

Two improved 80 acre tracts near Independence, Kansas, to exchange for Mo. or N. Ark. land and a nice 60 acre tract adjoining same city for income; all three tracts priced right. LIST WITH US; it costs you nothing but the commission after we have found just what you want.

FOSTER BROS.
Independence, Kansas.

MISSOURI

WRITE Morris & Walker for list of south Missouri farms. Mountain View, Mo.

200 A. valley farm, impr. \$20 acre. Maps, views free. Arthur, Mountain View, Mo.

OSARK FARMS. Write Southwestern Land and Immigration Co., Springfield, Mo.

80⁺ ACRES practically all tillable, 4 miles from Amsterdam, Mo. 60 miles south of K. C. Well watered and fenced. No rock. Price \$52 per acre. J. D. Sage, Amsterdam, Mo.

NORTHWEST Missouri farms for sale. Where corn, wheat, clover, bluegrass and alfalfa grow. From 40 to 1,120 acres. Write for particulars. J. W. Everman, Gallatin, Mo.

VALLEY FARMS, \$25 to \$50; unimproved lands, \$6 to \$20; orchard and berry farms, \$40 up; water and climate unexcelled. Literature and free list. ANDERSON REAL ESTATE CO., Anderson, Mo.

SOUTHEASTERN MISSOURI LANDS—If you want to become independent, buy a farm in Scott Co., Mo., in the rich drained lands that raise anything and raise it certain. All we ask is a chance to "Show you." Prices very reasonable. Write F. S. Bice, Oram, Mo.

ONE of Howell Co., Mo., good farms. 279 a.; 170 cult., 9 room house, good cellar. Large barn, other buildings. Orchard, fine water. 3 mi. railroad town, 6 mi. county seat, West Plains, on R. F. D. and phone line. 1/2 mi. school. \$40 a. No trade. A. P. COTRELL LAND CO., Pomona, Howell Co., Mo.

A SNAP FOR THE CASH. 200 acres, 160 fenced, 120 cultivation. 2 1/2 miles to postoffice, 1 mi. to school, 10 to county seat. Good house and barn; everlasting spring, fruit; price \$4,000. Will give terms. KIRWAN & LAIRD, West Plains, Mo.

CASS COUNTY, MISSOURI. 40 acres, smooth and improved, \$90.00. 80 a. res, fine second bottom, \$75.00. 120 acres, fine and dandy, snap, \$75.00. These farms are improved, well located. Can give terms to suit; they are priced right. CHARLES BIRD, Harrisonville, 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.

Ozark Unimproved Farm Bargain

150 acres of good unimproved farming land, near Van Buren, county seat of Carter Co. Fine pasture land, good for dairy, fruit and in fact you can raise almost anything you can raise in the North. Located in the Ozarks of Missouri. Makes the climate the very best. Excellent water. Price \$10 per acre. For full particulars write JOHN M. CARNAHAN, Van Buren, Mo. (County Recorder Carter Co.)

OKLAHOMA

N. E. OKLA. prairie farms. Easy payments. Write J. T. Ragan, Vinita, Okla.

90 ACRES all bottom, 4 miles R. R. town this county. 50 a. cultivation; all tillable. Crop good. Fair improvements. \$32 per a. Southern Realty Co., McAlester, Oklahoma.

FOR SALE—A 440 acre valley farm, very rich land. No overflow. \$5,000 worth of improvements. 3 houses, barns, windmill, etc. 3 mi. from Vinita, Oklahoma. Price reasonable. One-third cash. Sell part if desired. W. M. Mercer, Aurora, Ill.

FOR SALE—A bargain in 280 or 340 acres choice rich second bottom land in the Pryor Creek valley in Northwest corner of Mayes County, Oklahoma, 3 1/2 miles Southeast of Chelsea, Oklahoma, in the Chelsea-Alluwe oil fields. All fenced and cross-fenced, over 100 acres in cultivation, balance native meadow. Excellent alfalfa land. Has never failed to produce a crop. Not subject to overflow. Price \$35.00 per acre, one-half cash, balance five years, eight per cent interest. If you contemplate a change, here is a golden opportunity. Address M. S. RUNYAN, Owner, Vinita, Oklahoma.

FOR RENT. 500 acres first class bottom land joining Chickasha, Oklahoma. Level, no rock or stumps. Price \$4 per acre cash in advance. This farm is for sale also. Golden Gate Trust Co., Chickasha, Okla.

21 IMPROVED FARMS, just ahead of oil field. Write FITZ, Davenport, Okla.

ARKANSAS

160 A. imp. val. farm; 46 cult.; 3 mi. R. R. town; \$13.50 a. Robt. Sessions, Winthrop, Ark.

891 A. alfalfa and cotton land; some improved, tracts to suit. \$75 per a. New list free. Pope Co. R. E. Co., Russellville, Ark.

17,000 ACRES, no rocks, hills or swamps. Any size farms Grant Co. \$1.50 per a. down, bal. 20 yrs. at 6%. Employment. TETER & Co., Op. Union Depot, Little Rock, Ark.

CHEAP homes in Arkansas. Healthful climate, pure water, timber. Crop failures unknown. Write for list. Hindsville Realty Co., Hindsville, Ark.

320 A. AND 160 A. 5 mi. Bates, Scott Co., Ark. R. R. town; 2 houses, barns; several hundred dollars worth saw timber. Price \$11.50 per acre. Mtg. \$1,440, 3 yrs. Bal. time or trade. Write W. F. Colton, Heavener, Okla.

NORTHWEST ARKANSAS. 20th year in Benton Co., best Co. on the MAP; fine crops all kinds; healthful climate; prairie and timber lands at low prices and easy terms. For particulars and list write GENTRY REALTY CO., Gentry, Ark.

TEXAS

BARGAIN: 34 acres of land near Tomball, Tex. 3 room house, barns, 8 acres in cultivation, bal. timber and prairie. \$50.00 per acre. \$500.00 cash, balance terms to suit. J. M. MILLER, Tomball, Texas.

MARKET PROBABILITIES

(Written Specially for Farmers Mail and Breeze.)

Out of a run of 30,000 cattle in Kansas City Monday more than 15,000 were marketed prematurely on account of dry weather in Kansas, Oklahoma and Missouri. The drouth movement did not extend to other markets but will within the next 10 days unless general rains are received. Prices on Monday were lowered 10 to 25 cents on killing cattle, 35 to 50 cents on stockers and feeders, and 25 to 50 cents on calves. The general market is in a very unsettled condition with further declines expected. Prime grain fat steers are holding nearly steady.

The markets are being adjusted to drouth conditions. Cattle prices with few exceptions are sagging and prices for grain and all feedstuffs are advancing. Corn is the leader in the up movement and grass cattle are prominent in the receding column. The man who can guess best on the weather is the one who will profit the most in the present moving conditions. Last week closed with the West ordering cars freely, general sunshine promised over Sunday, and the probability of more hot weather to follow. Pasturemen have withstood drouth conditions that have existed with but temporary relief since the first of June. Now they are either forced to ship or take long chances on rain and the unprofitable policy of holding fairly fat steers on short grass. August receipts, on present conditions, will equal the big supply in the drouth year of 1901, and prices that will follow in 1914 will be as much higher than 1913 as 1902 prices were than values in 1901. The future promises a big supply of near beef, a short supply of prime beef, and well filled cans in canning departments. The greatest hope for favorable conditions developing lies in the fact that only the Central West range section is dry, and that the Northwest, Southwest and West will suspend shipping until the drouth run subsides. This will equalize the supply materially and give the market a chance to bear up under heavy receipts. Some pasturemen have moved their cattle out of dry sections, but the general trend of the movement will be to market.

Movement Broadens Gradually.

Last week the market was shut up to no extreme action. Receipts at river markets increased on the native side, but the run from below the quarantine line remained moderate. Prices for grass fat steers and short fed native grades were off 25 to 40 cents, good to choice steers were down 10 to 20 cents, and strictly prime beefs in all weights were steady. Ruling top prices were at \$8.75 to \$9.15. There was a noticeable decrease in the steers that graded better than good, and prime beefs seem near the vanishing point. The present outlook is that full feeding west of the Missouri river this winter will be the smallest in several years past, and it is up to Iowa, eastern Missouri and the East to supply this winter's corn fat cattle. Montana steers reached Chicago Monday of last week. They sold at \$6.25 to \$7.10, the bulk of them going to corn belt feeders. Much better offerings are expected from the Northwest in the next few weeks. They have plenty of grass and lower prices will make their marketing season late.

Receding Butcher Cattle Prices.

Conditions that govern the butcher cattle market are the same as those that control the steer movement. The worst element is that dry weather may cause the return of a good many female cattle that were intended for the basis of new herds. Increased production will receive a serious jolt if such a curtailment results, and at the same time medium to plain cows and heifers will go much lower. The first evidence of receding prices came when canner cows were purchased last week at \$3.75 to \$4.25, or 35 to 50 cents under the preceding week, and the lowest this season. On the other hand the dry lot baby beefs made \$8.75 to \$9, which is more than a reasonable spread in prices. Cutters and fairly good cows were down about 25 cents. Veal calves are coming more freely and prices were reduced 75 cents to \$1 and the market is weak. Bulls are off 50 cents.

TEXAS

BRAZOS bottom farm, 320 acres, 110 cult.; 2 houses, very fine soil. \$45 per acre, 1/2 cash, balance easy. Winston McMahon, 317 Beatty Bldg., Houston, Tex.

CORN, cotton, potatoes and rice are making our farmers good money. Prices from \$25 an acre up. A few special bargains. Fidelity, Immigration Co., Eagle Lake, Tex.

BARGAINS IN GULF COAST LANDS. FACTS about the Mid-Gulf-Coast Country of Texas. Production, climate, rainfall, soil, markets, water. Large or small tracts. Write at once for free booklet and price lists. Reference given. John Richey & Co., Blinn Bldg., Houston, Tex.

EAST TEXAS LANDS FOR SALE. 25,000 acres in farms from 50 to 500 acres, \$8 to \$50 per acre. 1/4 to 1/2 cash, bal. to suit. In center of fruit and berry belt, fine well and lasting spring water. The poor man's paradise. RUSK COUNTY LAND COMPANY, Henderson, Texas.

Mixed shipments in the past 10 days have increased materially. Whole farm herds from 2 weeks old calves to dry cows and herd bulls have been thrown on the market, compelling large sorts and affording excellent buying opportunities. More such bunches will be here in the next few weeks.

Cattle Feeders Want Advice.

Commission men are receiving requests daily for advice on the future of stocker and feeder prices. They are answering that "weather conditions control," and "that if a person is well prepared to care for cattle the next 30 days is a good time to buy." If general rains fall in the next 10 days prices will bound upward; if not many common cattle will be placed on the bargain counter, and even at low prices may prove unprofitable. The country can care for a large number of thin cattle if fall pastures are revived, but many stockers will go to shambles if dry weather continues. Stocker and feeder prices last week broke 35 to 50 cents and closed in a weak position.

Dry Weather Hits Hog Prices.

Packers lowered hog prices last week, at least their purchases on the open market looked 15 to 25 cents lower, but in the final test, the pork returns, there was only a meager dime off. The difference came in the fact that a large number of common dry weather hogs shifted to market and in eagerness to get prices below \$9 packers bought that kind and shippers took the better classes above \$9. Quotations took on a \$1 spread, reaching from \$8.50 to \$9.50. Firmness appeared late in the week however and it now looks as though strength will show in the next 10 days. If dry weather compels general shipping it will be nothing less than disastrous to the moderate surplus of breeding stock the country has accumulated since the cholera scourge of 1912. Rains will hold that surplus back and open 1914 with the best prospects for increased production since 1907. The years of drouth runs have always been followed by a year to 18 months of excessively high prices. Average weight of hogs is on the decrease, due to less feeding and close marketing. Medium and choice light weight hogs are commanding price premiums, and demand is on a fresh pork basis. St. Louis, St. Joseph and Kansas City each reported shipments of stock hogs to country points, at prices ranging from \$7.50 to \$8.75.

Western Sheep Movement Beginning.

The range sheep movement has begun. The number received at the five western markets last week was above 200,000, and by the latter part of August receipts will be around the 400,000 mark or better. Utah, Montana, Texas, Idaho, Nevada, and New Mexico sections were the principal contributors and as the season advances their consignments will increase. The movement will be made by easy stages as practically no dry weather factor has appeared, and late ranges promise fair returns for those who hold for weight. Offerings thus far have shown only fair flesh on the sheep and the lambs are in excellent condition. Flock masters make final consignments just prior to going into winter quarters early in November. Prices eased off some under the increased supply. Western lambs are bringing \$6.50 to \$7.50 from killers and \$5.50 to \$6.25 from feeder buyers. Ewes are quoted at \$4 to \$4.65, and wethers \$4.25 to \$5. As the movement increases country demand will expand and prices fully as good as last year are expected for feeding lambs.

The Movement of 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	51,175	37,850	27,960
Chicago	46,790	130,000	105,000
Omaha	9,400	43,800	47,600
St. Louis	24,800	29,700	28,500
St. Joseph	11,400	33,000	6,700
Total	142,475	274,350	216,110
Preceding week	139,350	315,100	295,900
Year ago	134,415	271,350	234,600

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

	Cattle	Hogs	Sheep
Per 100 lbs.	1913 1912	1913 1912	1913 1912
Chicago	\$9.10 \$9.85	\$9.30 \$8.52 1/2	\$5.90 \$5.60
Kan. City	8.90 9.75	8.90 8.35	5.50 5.00

July Livestock Receipts.

The drouth line shows strongly in last month's livestock receipts. Kansas City was the center of the movement and receipts of cattle were nearly 30 per cent larger than in 1912. Hogs increased 16 per cent, and sheep a slight degree. The movement to other markets was less affected as they were out of the dry zone. The combined receipts at the five western markets show an increase last month of over 11 per cent, hogs 4 per cent, and sheep 3 1/2 per cent. For the

seven months this year the five western markets received about the same number of cattle as in 1912, and 1,065,000 fewer hogs, and 255,000 fewer sheep.

The following figures show receipts of cattle, calves included, hogs and sheep at each of the five western markets in July, also the seven months this year, compared with the same period in 1912.

CATTLE.

	July, 1913	July, 1912
Kansas City	193,250	147,000
Chicago	211,200	206,200
Omaha	44,900	46,100
St. Louis	108,700	95,000
St. Joseph	31,000	32,000
Total	589,050	527,300

HOGS.

	July, 1913	July, 1912
Kansas City	198,100	168,700
Chicago	519,400	497,250
Omaha	226,500	220,400
St. Louis	182,000	177,400
St. Joseph	146,000	155,800
Total	1,270,000	1,219,550

SHEEP.

	July, 1913	July, 1912
Kansas City	106,400	110,750
Chicago	424,000	421,800
Omaha	158,800	140,300
St. Louis	133,000	119,800
St. Joseph	44,000	39,500
Total	866,200	831,950

CATTLE.—Seven months—

	1913	1912
Kansas City	881,100	853,400
Chicago	1,651,800	1,821,450
Omaha	470,800	473,600
St. Louis	526,600	459,000
St. Joseph	233,400	246,900
Total	3,863,500	3,859,350

HOGS.—Seven months—

	1913	1912
Kansas City	1,517,500	1,612,750
Chicago	4,250,900	4,563,850
Omaha	1,695,000	2,559,800
St. Louis	1,525,000	1,554,700
St. Joseph	1,035,200	1,297,900
Total	10,023,600	11,089,000

SHEEP.—Seven months—

	1913	1912
Kansas City	1,110,300	1,165,800
Chicago	2,641,450	2,834,900
Omaha	1,088,600	1,034,300
St. Louis	570,500	586,350
St. Joseph	446,300	391,280
Total	5,857,150	6,012,630

Fairly Good Demand for Horses.

Demand for horses continues active at steady prices, though the trade in mules has been quiet. Within the next two weeks traders expect an improvement in the inquiry and a general increase in receipts. The dull season of the year is about over, and increased inquiry will mark the beginning of the fall trade.

Sensational Rise in Corn Prices.

Rapid deterioration in the growing crop, and a scarcity of old corn sent prices up to new high levels for the year. Old corn sold as high as 74 cents a bushel in Kansas City and in Kansas where the crop will be a complete failure higher prices are being obtained. The dry weather is causing worry in Missouri, Nebraska, Iowa, Illinois, Indiana and Ohio, and unless heavy rains come soon this year's crop will be one of the smallest produced in the past 10 years. The Kansas crop is beyond redemption, and other states are spotted. Texas corn is made and is one of the best crops on record for that state. Enough damage has been done over the entire corn belt to insure the highest winter prices for corn in a number of years past, and will be too high for large feeding operations. Wheat prices were strengthened by the advance in corn as growers are holding wheat with the expectation of having to use that grain as a substitute for corn. The weather in the Northwest is ideal for the maturing crop and the entire yield of wheat this year will afford a fair surplus. Oats were higher.

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	1913 1912	1913 1912	1913 1912
	94 1/2 c \$1.10	72 1/2 74 1/2	44 52
Kan. City	87 c	97 78	78 44 38

Another Advance in Hay

Prairie, clover, alfalfa, and packing hay were advanced 50 cents to \$1.50 a ton last week and the market is firm at the advance. Higher prices are forecasted in diminishing receipts and increased demand. Large areas are being forced to feed hay on account of drouth conditions, and city requirements are expanding rapidly. Growers are holding for firm prices, and the next few weeks will find receipts meager.

Butter, Eggs and Poultry.

Elgin, Aug. 4.—Butter this week is firm at 26 1/2 cents. Kansas City, Aug. 4.—Prices this week on produce are: Eggs—Firsts, new white wood cases included, 19c a doz.; seconds, 12c. Butter—Creamery, extras, 26c a lb.; firsts, 25c; seconds, 24c; packing stock, 20 1/2 c. Live Poultry—Broilers, 15@16 1/2 c a lb.; spring chickens, 15@16c; hens, 12c; roosters, 9c; young turkeys and turkey hens, 15@16c; old toms, 12@14c; cull turkeys, 6@7c; young ducks, 12 1/2 c.

Produce Prices Now and One Year Ago.

(Quotations on Best Stock.)

	Butter	Eggs	Hens
	1913 1912	1913 1912	1913 1912
Chicago	26 1/2 25	18 18	13 1/2 13 1/2
Kan. City	26 24	19 18	13 11 1/2



Conducted for Farmers Mail and Breeze
BY DR. F. S. SCHOENLEBER,
Professor of Veterinary Science
Kansas Agricultural College.

Our readers are invited to consult Dr. Schoenleber in an advisory way in case of trouble with livestock. Be sure to state the history of the case, location of the disease and the conditions under which animal has been kept. If a horse state weight. Also write across the top of your letter to be answered in Farmers Mail and Breeze and always sign name in full. Unsigned inquiries will not be answered. Answers will be published in turn.

Treatment for Distemper.

I have a half Arabian stallion colt that has a bad case of distemper. He has a sort of breaking out on head and neck but seems to be getting better. What can I do for him?—C. A. L., Okfuskee county, Okla.

Begin by giving this horse 1/2 ounce of Fowler's solution in the drinking water. Gradually increase this until he receives 1 ounce daily.

Rheumatic Sow.

One of my sows is just weaning her fourth litter of pigs and is sore and stiff in her legs. She has been in this condition for three weeks and acts as if she had rheumatism.—J. M., Jefferson county, Kansas.

Your sow may be rheumatic. Feed her in a little milk, 1 dram of salicylate of soda every 2 hours for one day and after this the same remedy and same dose but only three times a day. If it is rheumatism this will effect a cure.

Kidney Troubles?

I have a 5-year-old mule which discharges bloody urine. It seems to make him weak at times. He has been troubled about two months. What is your advice?—W. F. W., Brown county, Kansas.

I am unable to say what is the exact cause of the trouble. Whenever the trouble comes on administer internally as a drench, 1/2 ounce of fluid extract of ergot. This should not be repeated oftener than once a day, neither should it be given to animals not showing any symptoms.

Depraved Appetite.

We have a Jersey cow that has not done well this summer. We couldn't find any cause for it but lately have noticed that she eats horse manure. What is the trouble?—M. B., Barber county, Kansas.

Your cow is suffering from a depraved appetite and treatment consists in giving abundant nourishing food and in addition you should feed the following mixture:

Powdered nux vomica..... 2 ounces
Phosphate of soda..... 6 ounces
Artificial Karlsbad salts..... 1 pound

Two tablespoonsful of this mixture should be given in the feed morning and evening.

Bog Spavin.

One of my 2-year-old colts has something wrong with her hind legs. There are soft puffs on her hocks in the hollow places between the bone and cord. The front of the hock joint also is puffed a little. These are not sore to the touch and the colt is not very lame as yet. Your advice would be appreciated.—G. W. K., Marshall county, Kansas.

Your colt probably is affected with small bog spavins. The treatment is as a rule unsatisfactory and difficult. Try clipping the hair from the swollen places and apply once daily with a stiff bristle brush the following application: Spirits of camphor, 2 ounces; tincture of iodine, 2 ounces.

Nettle Rash.

For the last five or six years one of my mares has had a breaking out during the hottest part of the summer. Itching lumps about the size of peas form on her skin and in a few days they dry up, leaving a scab which later comes off taking the hair with it. It is worst about the head and neck but she has it all over her body. Where the harness rubs there are itching sores.—T. H. L., Pratt county, Kan.

Your mare is probably affected with nettle rash caused by heat. Keep the harness thoroughly clean where it rubs the affected parts and wash the animal's body with a bucket of water in which has been added 1/2 pound of baking soda. Internally you should feed about a tablespoonful of flowers of sulphur and the same amount of powdered saltpeter.

Ailing Cow.

One of my cows, 4 years old, has swellings on the inner side of both hind legs. The swellings extend from the joint to the udder and seem to follow the course of the blood vessels. The latter are hard and

knotty and much enlarged. She is quite lame. This cow is due to freshen in six weeks.—W. B., Scott county, Kansas.

I believe the swellings in the hind limbs of your cow are due to approaching parturition, though it may be possible that abscesses are forming in the lymphatic glands just above the udder. Sometimes these abscesses are tubercular in character. Have a graduate veterinarian make a personal examination in order to determine the exact nature of the trouble.

Dry Eczema.

What will take the itching out of a horse's neck? I have a 3-year-old colt that has it on the top of her neck under the collar.—W. S. J., Coffey county, Kansas.

The itching of your horse's neck undoubtedly is due to what is spoken of as dry eczema. Treatment consists in washing out the mane very thoroughly once a day with a 2 per cent solution of hog dip.

Fistulous Swelling.

I have a 6-year-old mule which is taking the fistula. I noticed the swelling only a few days ago but it has probably been there a month. It will probably not break for some time. Meanwhile can I do anything to prevent its breaking?—W. F. M., Creek county, Oklahoma.

Try an application of anti-phlogistine, about 1/2 inch thick, on the horse's neck for fistula of the withers. If this does not reduce the swelling in a week or 10 days, then it would be advisable to open the swelling to permit the pus to escape. After opening it and giving it good drainage it should be washed out daily with a 2 per cent solution of carbolic acid.

Ailing Pigs.

My pigs, 4 months old, began to get lame, first in the forelegs, then got down and couldn't walk. They seem to be nervous and wild and have the "jerks." What can be done for them?—W. N. G., Lipscomb county, Texas.

I am unable to determine what the trouble is with your hogs, from the symptoms given by you, but very frequently hogs affected with intestinal worms will show some of these symptoms. I would suggest that you give each pig about a teaspoonful of turpentine in the swill, on an empty stomach, about twice a week. Also feed some laxative food, such as ground oil cake. This may correct the trouble.

Pink Eye Treatment.

My cattle have had something, the matter with their eyes for some time. They

STATE FAIR-TOPEKA

SEPTEMBER 8TH TO 12TH 1913

Mammoth Livestock and Agricultural Exhibits.

New Fireproof Concrete Buildings for Stock and Exhibits.

Four Grand Band Concerts Daily.

New and Up-to-Date Free Attractions.

Patterson's New Shows on the Midway.

Five Days' Racing with Free Acts and Band Concerts—Five Days.

EXCURSIONS ON ALL RAILROADS
T. A. BORMAN, President

Aeroplane Flights.

Every Night—Pain's Mammoth Spectacle, "Old Mexico-1847."

The stoning and capture of Fortress Chapultepec. The awful and awe inspiring spectacle of Mt. Popocatepetl in volcanic eruption. Scenic effects 350 feet long, 200 performers, followed by the greatest fireworks display ever seen in Kansas.

The Fair at Topeka is in a class with the big State Fairs of the Western Country. Every Day a Big One.

H. L. COOK, Secretary.

\$40,000 in Premiums and Speed

water for a few days then a film spreads over the ball of the eye and the animal is blind. Can anything be done for this trouble?—O. G. B., Butler county, Kansas.

Your cattle undoubtedly are affected with pink eye and the best thing you can do is to separate the healthy from the diseased ones. You should wash out the eyes of the diseased ones with a 2 per cent solution of boric acid and as soon as the eyes quit running, when a film remains over the ball, then you should blow into the diseased eye, twice a week, about as much calomel as you can hold on the point of a knife blade.

Deformed Ankle.

Please let me know what to do for a mule colt 3 days old that is weak in the ankle joint of the front foot. When it walks the foot turns back. I tried liniments and also put on some splints to make it walk on the hoof but it is hard to keep anything on the foot.—J. J. R., Two Buttes, Colo.

From your letter I am unable to make out whether the colt breaks over at the ankle causing it to walk on the front part of the hoof or whether the ankle is weak causing the latter to sink under the colt's weight, making the toe turn up. For the condition first mentioned, an operation is almost always necessary. You should have a graduate veterinarian do this as it is difficult to perform. It

consists in cutting the tendons back of the canon bone. For the second condition mentioned, that is where the toe turns up, you should trim the foot making the toe as short as possible and lowering the heel. Do this as often as possible and in the course of three or four months the tendons will contract, drawing the hoof back into position. Liniments are valueless in conditions of this character.

Injection Instruments.

I had your prescription filled and gave it a thorough trial with the exception of injecting the boric acid into the four quarters of the udder. I can get no instrument for this purpose.—R. H. B., Crawford county, Kansas.

The instrument to be used for injecting cow's udders can be purchased from any veterinary instrument company through your local druggists. You can use a milk tube if you wish, attaching a piece of rubber tubing about a foot long to it and then by means of an ordinary fountain syringe or bulb syringe, inject the antiseptic fluid into the cow's udder. You should boil and sterilize all instruments before you use them.

I can't live in Oregon without the Mail and Breeze.—L. D. West, Mooreville, Ore.

THE KANSAS STATE FAIR

There is But
One State Fair
In Kansas

Hutchinson, Sept. 13-20, 1913

Under the Management of the State Board of Agriculture

Created by Law and Located at Hutchinson

There is But
One State Fair
In Kansas

\$40,000 IN PRIZES—TO BE PAID TO EXHIBITORS

13 Years of Unequaled Success. Located in the heart of Agricultural Kansas. The Natural meeting place of Breeder and Buyer. Unrivalled Railroad Facilities. Electricity for Light and Power. Electric Rapid Transit, two Tracks. Steam Railroad into the Grounds. City Water—Pure and Plenty. Good Buildings—Good Shade. Cement Walk to Grounds.

The Great Agricultural and Livestock Show of Kansas. It is the Farmers' and Businessmen's Fair. Educational—Inspirational—Recreational. It always has been and still is the Peoples' Fair. Six Great Races Daily on Best Track in the West.

A New Feature is the Horse Show

Tues., Wed. and Thurs. nights under Electric Lights. The Highest Class Free Attractions Ever Brought to Kansas. Carnivals, Bands, Free Acts—Something Doing Day and Night. The Greatest Display of Tractor Engines in America.

There is But
One State Fair
In Kansas

It is just a nice auto ride from any point in Kansas. Special Trains, Special Equipment, Special Service on all Railroads. For Prize List or Information address

There is But
One State Fair
In Kansas

Geo. B. Ross, Pres., A. L. Sponsler, Secy.

WHAT BREEDERS ARE DOING

FRANK HOWARD,
Manager Livestock Department.

FIELDMEN.

A. B. Hunter, S. W. Kansas and Oklahoma, 1124 So. Market St., Wichita, Kans.
 John W. Johnson, 820 Lincoln St., Topeka, Kan., N. W. Kansas and S. Nebraska.
 C. H. Walker, N. E. Kansas, N. Missouri, 3632 Flora Ave., Kansas City, Mo.
 Geo. W. Berry, N. Nebraska and W. Iowa, Copper Bldg., Topeka, Kans.
 Harry W. Graham, E. Iowa and Illinois, Chillicothe, Mo.
 Ed R. Dorsey, S. E. Kansas and S. Missouri, Girard, Kans.

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. 12—H. Fesenmeyer, Clarinda, Ia.
 Aug. 13—J. W. Pfander & Sons, Clarinda, Ia.
 Sept. 5—Jas. T. Ellis, Adrian, Mo.
 Sept. 6—J. C. Stalter, Jasper, Mo.
 Sept. 17—L. R. McClarnon, Bradyville, Ia.
 Oct. 1—D. C. Lonergan, Florence, Neb.
 Oct. 4—Frank Rainier, Logan, Ia.
 Oct. 10—Dietrich & Spaulding, Richmond, Kan.
 Oct. 21—H. B. Walter, Effingham, Kan.
 Oct. 15—R. E. Davis, Hiawatha, Kan.
 Oct. 16—M. Nesbitt, Aledo, Ill.
 Oct. 17—Thos. F. Walker & Son, Alexandria, Neb., at Fairbury, Neb.
 Oct. 18—Lambert Bros., Smith Center, Kan.
 Oct. 20—Roy Johnson, South Mound, Kan.
 Oct. 22—H. C. Graner, Lancaster, Kan.
 Oct. 23—Deming Ranch, Oswego, Kan.
 Oct. 23—U. S. Byrne, Saxton, Mo.
 Oct. 25—J. H. Hamilton & Son, Guide Rock, Neb.
 Oct. 25—J. W. Leeper, Norton, Kan.
 Oct. 27—Herman Groninger & Sons, Bendena, Kan.
 Oct. 28—W. R. Webb, Bendena, Kan.
 Oct. 28—Joe Hemmy, Hill City, Kan.
 Oct. 29—Walter Hildwein, Fairview, Kan.
 Oct. 30—Harry Wales, Peculiar, Mo.
 Oct. 30—Merton Williams, Valley Falls, Mo.
 Nov. 3—Joe Schneider, Nortonville, Kan.
 Nov. 5—R. E. Davis, Hiawatha, Kan.
 Nov. 6—W. E. Epley, Diller, Neb.
 Nov. 7—U. S. Byrne, Saxton, Mo.
 Nov. 8—John Naiman, Alexandria, Neb., at Hebron, Neb.
 Nov. 15—John Kemmerer, Jewell, Kan.
 Feb. 3—J. H. Hamilton & Son, Guide Rock, Neb.
 Feb. 10—H. B. Walter, Effingham, Kan.
 Feb. 11—H. C. Graner & Son, Lancaster, Kan.
 Feb. 12—Thos. F. Walker & Son, Alexandria, Neb., at Fairbury, Neb.
 Feb. 13—J. E. Willis, Prairie View, Kan.
 Feb. 13—W. E. Epley, Diller, Neb.
 Feb. 14—J. F. Poley, Orinogue, Kan.
 Feb. 17—L. E. Klein, Zeandale, Kan.
 Feb. 18—J. H. Riter, Westmoreland, Kan.
 Feb. 19—J. L. Griffiths, Riley, Kan.
 Feb. 24—M. T. Shields, Lebanon, Kan.
 Feb. 27—W. A. Davidson, Simpson, Kan.

Duroc-Jersey Hogs.

Aug. 27—W. A. Williams, Marlow, Okla.
 Oct. 17—Moser & Fitzwater, Goff, Kan.
 Oct. 30—A. T. Cross, Guide Rock, Neb.
 Oct. 31—A. M. Rinehart & Son, Smith Center, Kan.
 Nov. 1—N. B. Price, Mankato, Kan.
 Nov. 5—W. E. Monasmith, Formoso, Kan.
 Nov. 7—Leon Carter, Asherville, Kan.
 Jan. 23—J. J. Hartman, Elmo, Kan.
 Jan. 26—Ward Bros., Republic, Kan.
 Jan. 28—W. E. Monasmith, Formoso, Kan.
 Jan. 29—N. B. Price, Mankato, Kan.
 Jan. 30—Geo. P. Phillippi, Lebanon, Kan.
 Jan. 31—A. M. Rinehart & Son, Smith Center, Kan.
 Feb. 3—Howell Bros., Herkimer, Kan.
 Feb. 4—Moser & Fitzwater, Goff, Kan.
 Feb. 5—Samuelson Bros., Cleburne, Kan.
 Feb. 6—Leon Carter, Asherville, Kan.
 Feb. 7—E. G. Munsell, Herington, Kan.
 Feb. 9—E. A. Trump, Formoso, Kan.
 Feb. 10—Agricultural College, Manhattan, Kan.
 Feb. 11—Thompson Bros., Garrison, Kan.
 Feb. 20—John Emigh, Formoso, Kan.
 Feb. 21—Dan D. Shuck, Burr Oak, Kan.
 Feb. 25—A. T. Cross, Guide Rock, Neb.

G. I. C. Hogs.

Feb. 18—H. L. Bode, Friend, Neb.
 Feb. 19—Chas. H. Murray, Friend, Neb.

Hampshire Hogs.

Nov. 4—H. D. DeKaib, DeKaib, Ia.

Galloway Cattle.

Sept. 16—C. D. McPherson, Route 2, Topeka, Kan.

Shorthorn Cattle.

Oct. 14—C. J. McMasters, Altona, Ill.

Aberdeen Angus Cattle.

Oct. 22—W. F. Eckles, Green City, Mo.

Hereford Cattle.

Dec. 30-31—Mousel Bros., Cambridge, Neb.
 Feb. 12-13—Nebraska Hereford Breeders' association, at Grand Island, Neb.

Percheron Horses.

Sept. 16—C. D. McPherson, Route 2, Topeka, Kan.

S. W. Kansas and Oklahoma

BY A. B. HUNTER.

Y. Eckman of Vinland, Kan., reports that his Duroc-Jersey pigs are doing better than any bunch he has raised since starting in the purebred business. He will have a few at Topeka during the fair and may take some to the Kansas State Fair at Hutchinson. We do not believe we have seen a more even lot of spring pigs than those owned by Mr. Eckman. Many of them are out of sows by E. & C.'s Col. and other noted state fair champions. Put this herd down on your list for ready reference

when the time comes to make your selections of high class male hogs for fall use.

Holstein Dairy Cattle.

W. G. Merritt & Son, Great Bend, Kan., are now offering a fine lot of high grade Holstein cows and heifers. Buyers can choose either springers or fresh cows and heifers to suit. Special prices will be made on car lots. This is an unusual opportunity for those who are looking for good dairy cows. Call or write today mentioning Farmers Mail and Breeze.

A Grand Champion Duroc Sale.

W. A. Williams, Marlow, Okla., will sell at auction 40 head of Duroc-Jerseys, Wednesday, August 27. Mr. Williams has won at the Oklahoma State Fair for the last three years far more prizes than any other exhibitor of Durocs. Grandmaster Col. II, to whom 37 of these bred sows and gilts are either bred or sired by, has been a grand champion the last three years. This sale includes many of the best sows and gilts of this good herd. Mr. Williams is proud of this offering. It is the same blood he has been so consistently winning with each year at the fairs. Come and buy one of these sows or gilts and raise prize winners. Buy a sow bred to this three times champion Grand Master Col. II, and raise a boar good enough to head your herd. Don't wait but send for a catalog giving an interesting description of this offering. Please mention Farmers Mail and Breeze.

Do You Want to Buy Cattle?

Again we invite you to read in this issue the display cattle ad of Frank Rockefeller, Belvidere, Kan. Here is a golden opportunity for anyone who wishes to launch into the purebred cattle business. Mr. Rockefeller has been a consistent breeder, never commercializing, and has spared neither money nor pains for over 20 years in developing according to his ideal these two great herds of cattle. The Herefords are strong in the blood of Anxiety 4th, Grove 3d, Lord Wilton, Columbus, Beau Brummel, Earl of Shadeland 30th, Java, Corrector, Diplomat and others of like note. In this Hereford herd are daughters and granddaughters of Columbus 17th by Columbus. Mr. Rockefeller has also used to good advantage one of his sons, Columbus Busy Body, out of Busy Body, raised by the Queen of England. There are over 200 head of these purebred Hereford cows and heifers. They will be priced so you can afford to buy them. This is a wonderful opportunity for readers of Farmers Mail and Breeze to buy purebred Shorthorns rich in milking strains and combined with scale and quality. Pure Cruickshank bulls have been used all over exclusively on Shorthorn females of such families as Young Mary's Rose of Sharon, Cruickshank, Duchess, Bates, Lady Elizabeth, Josephine, Phyllis, Kirk Learl-Elizabeth, Barrington Bates, Matilda, Ruby and Geon. This is one of the greatest herds for both beef and milk the writer has ever seen. Get in touch with Mr. Rockefeller. These cattle will be priced for quick sale. Special prices by the car lot.

The Hutchinson State Fair.

The Hutchinson State Fair is the youngest state institution. It was created by the legislature last winter and placed under the management and control of the Kansas state board of agriculture. It was located at Hutchinson because of the central position of that city and its accessibility to a large portion of the state's population who are remote from educational and recreational features of a similar character. Furthermore, a most successful fair had been conducted at Hutchinson upon which the state could build more readily and start with success assured. The grounds given the state by Reno county comprise 112 acres within the city limits, and have ample facilities for holding a big state fair. Exhibitors may be assured of the same high class treatment they have always enjoyed at Hutchinson and the visitors to the fair that it will be well worth the expense of time and money to attend it. The Kansas State Fair is so located that one of its big features is the display of tractor engines. Practically all of the great manufacturers have engaged space for the coming fair the week of September 12-20. In Reno and 11 other counties of that locality all contiguous to each other there were produced from the farms in the 10-year period ending with 1912 \$486,146,573 worth. It is obvious why the farm machinery people put on such big exhibits there. In livestock it is the great show of the big Southwest. Kansas is the third cattle state of the Union and much interest is manifest in the exhibition of purebred cattle. While it is on the sunset side of the corn belt it is nevertheless a great corn country and farmers are on the lookout for stock. It is advertised as "the natural meeting place of the breeder and buyer" which just about tells the story of the "why" of the great livestock show. There are 17 general departments and prospects bid fair for them all to be well filled. Racing is and always has been conducted in a clean, high class way and many a thrilling event has been witnessed on the splendid track. The horse show three nights in the week is a new

LIVESTOCK AUCTIONEERS.

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

COL. T. E. GORDON, WATERVILLE, KANSAS
Livestock Auctioneer. Write for open dates.

L. J. Calloway, Lebanon, Kansas
Livestock Auctioneer. Write or phone for dates.

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

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

LIVESTOCK AUCTIONEERS.

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

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

CHAS. M. SCOTT Livestock Auctioneer. Thoroughly posted on pedigrees and values. Formerly of Scott & Singer, Poland China breeders. Hiawatha, Kan.

W. B. Carpenter Livestock Auctioneer
1400 Grand, KANSAS CITY. Also Land Salesman

John D. Snyder HUTCHINSON, KANSAS
LIVE STOCK AUCTIONEER
Wide acquaintance and practical knowledge of draft horses and pure bred live stock, all breeds.

Col. N. B. PRICE Mankato, Kan.
LIVESTOCK AUCTIONEER
Phone or write for dates. Bonney K. heads my Duroc-Jersey herd.

LIVESTOCK AUCTIONEERS.

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

G. A. Drybread The Auctioneer
Eik City, Kan.
Live Stock and Farm Sales made anywhere. Prices reasonable. Give me a trial. Satisfaction guaranteed.

FRANK J. ZAUN FINE STOCK AUCTIONEER
Independence, Mo., Bell Phone 675 Ind.
My References: America's best breeders for whom I have been selling for years.
Get Zaun He Knows How

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. Write today for big, free catalogue of Home Study Course, as well as the Actual Practice School, which opens Oct. 6, 1913.
MISSOURI AUCTION SCHOOL
Largest in the World. W. B. Carpenter, Pres.
1400-04 Grand Ave., Kansas City, Mo.

Oldenburg German Coach Horses

We are the oldest and largest breeders of the Oldenburg German Coach west of the Mississippi River. Our 1912 winnings at the leading western shows exceeded those of any other individual horse exhibitor. We have stallions and mares of serviceable ages for sale. Write us. **JOS. WEAR & SON, Barnard, Kan.**



60-Bergner & Sons' Coach Horses-60

German Coach Stallions at prices you will be able to pay for at one season's stand. Also mares and fillies; all good bone with plenty size, style and action and the best general purpose horse that has ever been imported. The St. Louis Fair Champion Milon 3159 and the Kansas State Fair prize winner Mephistoles 4221 at head of herd. We are pricing these horses to sell and guarantee satisfaction. Write today or call soon.
J. C. BERGNER & SONS, Waldoch Ranch, PRATT, KANSAS.

OVERLAND GUERNSEY FARM

THE FINEST HERD OF IMPORTED GUERNSEYS IN THE COUNTRY

MAY ROYAL, by Hays Royal, a line bred Golden Secret, and "the best Guernsey sire in America," chief stock bull. Cows and heifers of best imported strains. All cows tested for advanced registry.

In order better to introduce the Guernseys in the West, we will make attractive prices on young bulls and cows and heifers, bred and open. Special inducements to new breeders in herd foundation material.

If you wish to improve the quality and production of your milk, cream and butter, use a Guernsey sire. Unsurpassed in constitutional vigor, adaptability, and richness of product. Correspondence invited—your personal inspection preferred. Call on or address.

Overland Guernsey Farm, Overland Park, Kan.
C. F. Holmes, Owner. W. C. England, Mgr.
Eight miles S. W. of Kansas City on Strang Line. Station on Farm.



PEGGY OF OVERLAND (Trade Mark)

Rockefeller Disperses Herefords and Shorthorns 500 HEAD TO SELL at Private Treaty 300 Shorthorns -:- 200 Herefords

The greatest opportunity to buy pure bred cattle ever offered in this country.

This offering consists of cows, heifers and calves that carry the most fashionable blood of these breeds. Every animal is registered and two-thirds of the Shorthorns are Polled and registered in both associations.

The best breeding animals from America's greatest herds have been bought and used as a foundation for these two herds, regardless of expense. A striking feature of both herds is the splendid quality combined with unusual bone and scale. This herd has been so carefully selected for the last 20 years that it is practically a dairy herd. They are in excellent breeding condition but nothing pampered. A nurse cow has never been used on this farm. Every animal sold accompanied by health certificate of inspection issued by State of Kansas.

8,500 Acres of Land

The best improved and stream watered land in Kansas. The extent of finely constructed buildings on this farm is not equalled in any western state.

Both cattle and land should be seen to be rightly appreciated. 60 Buffalo, either sex and various ages also sell. Write your wants. Do it today, or call soon.

FRANK ROCKEFELLER, Belvidere, Kans.

PUREBRED HORSES

PERCHERONS

Raise more colts and make more horse money by having your own stallions. Buying now at breeder's prices from my big bunch of young studs, sound, broke to work, and with BRED BILLS, will be the most profitable for you.



Truman's Pioneer Stud Farm America's Largest Importers

Shire, Percheron and Belgian Horses Write for Illustrated Catalogue.

TRUMAN'S, Box E, BUSHNELL, ILLINOIS

DAIRY CATTLE

18 Holsteins 10 Guernseys

All good cows and will freshen soon. JACK HAMMEL, 215 Adams Street, TOPEKA, KANSAS.

Holstein Bred Cows and Heifers

"EIGHTY HEAD" Choice individuals personally selected, Wisconsin bred tuberculin tested, pure bred, unrecorded and high grade females, recorders, bulls. Grade bull and heifer calves. ARNOLD & BRADY, Manhattan, Kans.

HOLSTEINS - CHOICE BULL CALVES

H. B. COWLES, TOPEKA, KANSAS.

OAK HILL HOLSTEINS

Bulls ready for spring service by Shadybrook Gerben Sir Kornelke out of A. B. O. Sams. Heifers bred. Also a few fresh cows. All tuberculin tested. BEN SCHNEIDER, NORTONVILLE, KAN.

BANKS' FARM JERSEYS

Quality with milk and butter records. One of the best sons of CHAMPION FLYING FOX, imported, at head of herd. Stock for sale. W. N. BANKS, Independence, Kan.

ABERDEEN-ANGUS

DENTON'S ANGUS Bulls all sold but a fine lot coming on for fall trade. Write your wants. W. G. DENTON, DENTON, KANSAS

ANGUS CATTLE

Bulls and females for sale; singly or in carload lots. Address SUTTON & PORTERUS Lawrence, Kan.

GUERNSEYS

A GUERNSEY HERD BULL FOR SALE. I am offering Trixie Lester, my registered herd bull for sale. No fancy price. JOHN FERRENOUD, HUMBOLDT, KAN.

SHORTHORNS

10 High Class Scotch and Scotch Topped Shorthorn Cows

of dairy quality, for sale, also two extra fine 10-months-old bulls. One by Baron Cumberland, the other, a show prospect, by Silk Goods.

DR. W. C. HARKEY, Lenexa, Kan.

HOLSTEINS

FOR SALE—Holstein herd bull, 5 yrs. old; also bull calf. G. E. BERRY, Garnett, Kansas.

HOLSTEINS Large type, State inspected and tuberculin tested. Fine registered bulls, cows and heifers; also 100 grade cows and heifers. M. P. Knudsen, Concordia, Kan

HOLSTEIN CATTLE High grade Dairy cows and heifers sold in lots to suit purchaser. Special prices on car lots. The best of milking strains and at prices you can afford. Write today. W. G. MERRITT & SON, Great Bend, Kan.

Bonnie Brae Holsteins

For sale, about 80 head of high grade young cows, 2-year-olds and bred yearlings. These cattle are strictly first class, with many heavy springers. Come and see them. IRA ROMIG, Sta. B, TOPEKA, KANSAS.

HOLSTEIN Cattle

During the next 60 days I will sell:

125 High-grade, well-marked Holstein heifers, age one year to 1 1/2, just being bred to a high class registered bull.

250 High-grade, well-marked Holstein heifers, ranging from 2 to 3 years old, all bred to extra good registered bulls, 15 freshen from Aug. 1 to Dec. 1, 1913.

100 Matured cows, springing bag ready to freshen. Most of them in calf from registered bull.

40 Select, well-marked registered bulls, extra nice individuals, ages from 6 months up.

A few good registered cows in calf by an A. R. O. bull. Write me for particulars. JAMES DORSEY, Dept. M. B., Gilberts, Kane Co., Illinois

feature. This is a class of entertainment fast growing in popularity at all the state fairs. A good list of prizes is hung up and there will be a number of stables of fine horses present from several states. The free attractions and amusements for 1913 fair are costing more than ever before, but the people of Kansas when congregated can afford the best. As a whole it will be a great week and everybody is invited to everybody's fair; both as exhibitors and as visitors.—A. L. Spenser.

N. E. Kansas and N. Missouri

BY C. H. WALKER.

Few auctioneers of pedigreed livestock have come nearer earning their money, giving value received, and made more friends by their work than has Frank J. Zaun of Independence, Mo. Col. Zaun has proved his ability. He has been crying sales for the past several years for the best breeders of the country and is able each year to go back and help on the same sales. He wears well and he makes good. That is the reason that he has his date book usually pretty well filled. He is naturally fitted to the best advantage for the work, having an iron constitution, a good voice and a dynamo of energy. We have seen sales that looked absolutely dead and were pulled out with a good result by Col. Zaun's hard work and untiring efforts. That's what counts and it has made him a mighty valuable acquisition to many a sale in the corn belt. To those who have not yet secured their auctioneer for fall and winter sales they will do well to get in touch with Col. Zaun.

Good News From Riverside Farms.

Jno. H. Neef of Boonville, Mo., proprietor of the Riverside Farms herd of O. I. C.'s, writes that the spring pigs are coming along in fine shape and that he has an extra good lot of bred gilts to farrow in September. Also a fine lot of summer pigs just about ready to ship now. Mr. Neef owns one of the biggest and best herds of O. I. C.'s in the West and supplies breeding stock to customers all over the country. His territory is the whole United States and he has shipped stock to most every state in the Union. His last year's customers are customers again this year and besides each year he adds a lot of new ones. In order to supply the trade for his stock he has to maintain a large herd. He does his and under his personal supervision. He knows just what he ships out and it has to have his O. K. before it leaves the farm. To those in the market for good stock we suggest that they write Mr. Neef about what he has for sale. Also if you are in the market for purebred seed wheat of the Early Ripe, Harvest King and Turkey Red varieties, no better place to buy it is offered than the Riverside Farms. These are exceptionally good varieties and the seeds on hand this year are of extra quality. Mr. Neef writes that he also has an extra good lot of seed rye and he is looking orders now for both wheat and rye for September 1 delivery.

W. Iowa and N. Nebraska

BY GEO. W. BERRY.

Fesenmeyer's Poland Sale August 12. Poland China breeders are reminded for the last time that the sale of big type Poland Chinas announced by Henry Fesenmeyer, Clarinda, Iowa, will be held on Tuesday, August 12. The announcement of this sale has attracted universal attention of swine breeders and doubtless this event will be one of the most important sales of the year. The Fesenmeyer offering is strictly representative of two of the greatest sires of the breed, namely: A Wonder and Big Joe. There are 20 head of yearling and tried sows which are bred to A Wonder or Big Joe and 27 choice boars by the above named sires. On the day following Mr. Fesenmeyer's sale, J. W. Pfander & Sons will hold a sale of boars and bred sows, so that visitors from a distance will have the opportunity to attend both sales. Mail or wire bids can be sent to G. W. Berry, fieldman, with assurance that same will receive careful attention.

Pfanders' Poland Sale August 13.

Breeders are reminded of the sale of Giant Poland Chinas scheduled by J. W. Pfander & Sons to be held at their farm adjoining Clarinda, Iowa, on August 13. This event presents a splendid opportunity to breeders to visit at the home of one of the greatest herds of big type Poland Chinas, and at the same time, the opportunity to purchase boars and sows which will make valuable attractions in the best herds. Among the features in this sale will be found a large number of big type sows bred to the herd boars, King of Wonder, pronounced by good judges the greatest yearling of the breed, or to Big Ben, a boar combining remarkable size and show yard quality. The Pfanders' sale will be held on the day following that on which Henry Fesenmeyer will hold his sale of Poland Chinas at Clarinda, so that breeders from a distance can conveniently attend both sales. G. W. Berry will attend the sale and handle mail bids, which should be addressed to him in care of J. W. Pfander & Sons, Clarinda, Iowa.

State Fair, Topeka, Kan.

The importance of the Kansas State Fair to be held at Topeka, September 8 to 12, and especially the splendid success of the livestock section, is assured by the general interest manifested by leading breeders representing nearly all the corn belt states. Indications, as evidenced by the preparation being made by the breeders of horses, cattle, swine and sheep, point to a larger aggregation of purebred stock to be seen at the Topeka fair in September than has ever been seen in the state. Exhibitors residing in Iowa, Nebraska, Missouri, and other states as well as Kansas, who have applied for space, have their herds in splendid condition for this fair, and farmers and breeders who visit Topeka during the week of the state fair will have the opportunity to inspect a superb exhibition of the improved breeds, greater in numbers and superior in quality, to that of any former event of its kind west of the Missouri river. Breeders who have exhibited at the Topeka fairs in the past are so well pleased with the courteous treatment, and the generous prizes they have received in the show ring

GALLOWAYS

G. E. CLARK, W. W. DUNHAM. CAPITAL VIEW GALLOWAYS. 12 Miles West of Topeka. Can furnish car of good bulls ranging in ages from calves to 3-yr.-olds. Can suit your wants. Write CAPITAL VIEW RANCH, Silver Lake, Kan.

GALLOWAY CATTLE and OXFORD DOWN SHEEP

Imported and home-bred, absolutely equal to the best. C. S. HECHTNER, Box 44, Chariton, Iowa

POLED DURHAM

Polled Durham Bulls

Six well bred young bulls and a limited number of cows and heifers for sale. C. M. HOWARD, HAMMOND, KANSAS.

Polled Durhams

Headed by the undefeated Roan Hero, shown since a calf at International, American Royal and State Fairs, assisted by the superb show bull Acacia Prince. For sale at most all times young bulls to head herds and foundation stock. Look for my exhibit at the State Fairs. D. C. VAN NICE, RICHLAND, KANSAS.

Hampshire Sheep

Shipping point. Walle, Kansas. Address, E. S. Tallafarro, Russell, Kansas

SHROPSHIRE SHEEP.

ELK GROVE Shropshires!

Imported Delta, sire of show flock winning 100 prizes, 1912, assisted by Wordwell's Kedge, by Tysul Champion at head of flock. For sale—50 rams, including 30 yearlings and Wordwell's Kedge, and 20 lambs. Send for catalog. FRANK RAINIER, LOGAN, IOWA

BERKSHIRES.

J. T. BAYER'S BERKSHIRES

Eighty early spring pigs by Bayer's Beacon and B. D. Centerpiece, 30 extra fine sows and gilts bred and open, four winter and fall males. Pricing to sell. Write for prices. J. T. BAYER, YATES CENTER, KAN.

BIG TYPE UNPAMPERED BERKSHIRES

150 sows bred to Fair Rival 10th, King's 4th Masterpiece, Trustype, King's Trustype, and the great show boar King's 10th Masterpiece. All long, large and heavy boned. Sows farrow from August 1st to December 1st. Open gilts and boars ready for service. Not a poor back or foot. Every man his money's worth. E. D. KING, Burlington, Kansas

POLAND CHINAS.

BIG BARGAINS—BRED SOWS. 6 of our herd sows, bred and safe to Gold Mine, for July and September farrow. 5 last fall gilts, safe to Best Price. Best bunch of spring pigs we have ever offered. Priced right. DIETRICH & SPAULDING, Richmond, Kan.

100 SPRING PIGS Sired by King Hadley, King Blain, Jr., King John and Long John 2nd; priced right and guaranteed. W. Z. BAKER, RICH HILL, MISSOURI.

Joe Beneda, Agenda, Kan. 40 March Poland China boars and gilts for sale. No public sales. Prices right. Address as above.

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. OLIVIER & SONS, DANVILLE, KANSAS.

Schneider's Poland Chinas! 20 head of good fall gilts. Some bred for September farrow, others offered open. A few good fall boars that I am pricing cheap to move them. JOE SCHNEIDER, NORTONVILLE, KAN.

PLEASANT HILL STOCK FARM POLANDS

Long King's Best, Sampson Ex and Moore's Halvor, a trio of unusually fine big-type boars in service. Booking orders now for spring boars and gilts—over 100 head to select from. These are bred right, fed right and priced right. HENRY GRANER & SON, LANCASTER, KANSAS.

Robinson's Mammoth Poland Chinas!

My herd boars weigh from 800 to 1,025 lbs. Now have for sale, two good tried boars and a few extra good last fall pigs of both sexes. My terms are: If you are not satisfied return the hog and I return your money. F. P. ROBINSON, Maryville, Mo.

Columbus Poland Chinas Public Auction

Central City, Nebraska, Thursday, August 14

The head of the undefeated Grand Champion COLUMBUS will predominate in this offering. For catalogue and further information write

R. B. Baird, Central City, Nebr.

Big Orange, Big Sensation & Ott's Big Orange

In service in my herd of POLAND CHINAS. For sale—Pigs of both sexes, and boars of most all ages of the correct type that will please you.

J. O. JAMES, Braddyville, Iowa



JERSEY CATTLE

LINSCOTT JERSEYS

Only register of merit herd in Kansas. For sale: Grandson of Noble of Oakland, ready for service. Also sons and daughters of the great Gamboge's Knight. Prices reasonable. R. J. LINSOTT, HOLTON, KANSAS

HEREFORDS.

KLAUS BROS.' HEREFORDS

Two choice yearling bulls, herd headers for sale, sired by Fulfiller 2nd, Fulfiller 26th and Beau Onward. Our calf crop is the best we ever had. KLAUS BROTHERS, BENDENA, KANSAS.

RED POLED CATTLE

Foster's Red Polls

Write for prices on breeding stock. C. E. FOSTER, R. R. 2, Edwards, Kansas.

Red Polled Cattle

Cows and heifers for sale. No bulls over six months. Poland China big type registered fall boars. Write CHAS. MORRISON & SON, Phillipsburg, Ka.

Red Poll Females

of all ages, choice individuals, show animals, priced to sell. A few choice bulls, also Duroc-Jersey swine sows and gilts, bred for early fall farrow. Boars any age by our choice herd boars. Ask for testimonials. GEO. W. SCHWAB, CLAY CENTER, NEB.

18 Ram lambs for sale. Also young ewes, from yearlings up. Everything registered.



BERKSHIRES

LEON A. WAIT'S Berkshires

A good herd at Winfield, Kan., headed by Lord Duke 2d, 18292.

Hazlewood's Berkshires!

Choice spring boars and gilts priced to sell. Write today. W. D. Hazlewood, R. 2, Washita, Kansas

Berkshire Pigs

Choice pigs, either sex, 10 to 16 weeks old, sired by ROBINHOOD-PREMIER 2d, or Adam, a son of Rival's Lord Premier. Nothing but the very choicest specimens shipped. Price: registered, crated F. O. B. here—one \$20; two \$35; three \$50. W. J. CRIST, Ozawie, Kas.

POLAND CHINAS.

Polands, with Size and Quality Bred sows and gilts also boars all ages for sale, sired by Wachira's Referee, Quamo and King Hadley, Lambert Bros., Smith Center, Kan.

Albright's Fall and Winter Boars and Gilts for sale. 40 head of nice, smooth individuals, sired by Cavett's Mastiff, by King Mastiff, and out of big type sows. Write for prices. A. L. ALBRIGHT, Waterville, Kansas

Large Type Yearling Sows

Sired by and bred to boars weighing between 800 and 1000 pounds and due to farrow in August and September. Thos. B. Murphy & Sons, Corbis, Kans

Dean's Mastodon Polands

Poland China hogs, the big-boned type, will weigh when mature, 800 to 1,000 lbs. Will sell a few boars of serviceable age, also choice brood sows and gilts, bred to my herd boars. All

Immunized by Double Treatment

Herd headed by Mastodon Prince, Columbia Wonder and Gritter's Longhorn 2d. Everything guaranteed and sold worth the money. Address OLARENCE DEAN, WESTON, MISSOURI

POLAND CHINAS.

Sunny Side Poland Chinas Bred sows and spring boars for sale, priced right. Satisfaction guaranteed. J. G. HART, Solomon, Mo.

50 Poland China

March and April boars and gilts for sale. No public sales. Write for descriptions and prices. G. A. WIEBE, BEATRICE, NEB.

Geo. E. Smith, Agenda, Kan.

15 years breeding Polands in Republic Co. No public sales but 70 choice boars and gilts of March farrow for sale. Address as above.

THURSTON & WOOD'S Poland Chinas

The large, smooth kind. Fall boars, handsome fellows by U. Wonder by A. Wonder, also gilts by this great son of A. Wonder and bred to Orange Lad by Big Orange. Thurston & Wood, Elmdale, Kan.

GEO. W. NOWELS, GLASCO, KAN.

45 March boars and gilts for sale. Medium type. Size and quality. Pairs and trios not related. Prices right. Address as above.

KLEIN'S TABOR VALLEY HERD

Some choice January Poland China boars by Chief Price #1067. Also two Sept. boars same breeding. Fall gilts, bred or open. Tops of 30 February boars. All out of big mature dams. Satisfaction guaranteed. L. E. KLEIN, Zeandale, Kan.

John Harter's September Boars

25 selected Sept. boars to pick from. Sired by Mogul's Monarch, Long King, Prince Hadley and Gebhart. Well grown and desirable as herd boars. Prices right. Satisfaction guaranteed. J. H. HARTER, WESTMORELAND, KAN.

Poland China tried sows and fall gilts, bred or open. Big type boars and big mature dams. J. F. FOLEY, Oronoque (Norton Co.), Kan.

BIG SMOOTH BRED GILTS

By A. Wonder's Equal by A. Wonder out of dams by Knox All Hadley by Big Hadley. Growthy yearlings with extra size and quality. Bred for early fall litters to the noted Orphan Chief. A. R. ENOS, RAMONA, KANSAS.

Get Your Name to Me Soon

Drop me a card and I will send you a catalog of my Poland China Sale of September 5th, 1913. J. T. ELLIS, ADRIAN, MO.

HILDWEIN'S BIG POLANDS

Make your selections from my large herd of the "big kind". They are the kind that make good. Public Sale October 29. WALTER HILDWEIN, FAIRVIEW, KAN.

Fall and Summer Gilts

15 fall gilts open, 10 summer gilts bred and open, yearling and tried sows bred for fall farrow. Also an attractive herd boar offer. E. C. LOGAN, (Mitchell Co.) SOLOMON RAPIDS, KAN.

Mt. Tabor Herd Poland Chinas

BIG AND MEDIUM TYPE. Herd Immune. For sale: Fall boars and gilts and 100 spring pigs, by Big Mogul and College Special 5th. Bred sows and gilts of either type. J. D. Willfoung, Zeandale, Kan.

Special 30-DAYS OFFER

Choice Poland China spring pigs, either sex, \$20, express paid. Certificate with every pig. Satisfaction guaranteed. Howard R. Ames, Maple Hill, Kan.

POLAND CHINAS!

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

A. D. JONES of DUNLAP, IOWA

has for sale 40 fall boars sired by 1,000 pound boars and from 600 and 800 pound dams; strictly big type Poland Chinas. I breed for length, bone, large litters and quick maturity. I also have 50 fall gilts, to be in the market this fall and winter and 100 spring pigs that are doing fine.

HAMPSHIRE.

REGISTERED HAMPSHIRE PIGS FOR SALE. Priced to move quickly. DR. E. G. L. HARBOUR, SALDWIN, KANSAS.



WRITE J. F. PRICE, Medora, Kans. For prices on Pedigreed Hampshire Hogs

Pedigreed Hampshires of various ages. Boars Every hog properly vaccinated. C. E. Lowry, Oxford, Kas

Pure Bred Hampshires

Some extra choice, well-bred spring boar pigs for sale. ALVIN LONG, Lyons Kansas.

SUNNY SLOPE FARM

Regards Mail and Breeze space as a good advertisement, but a satisfied customer as a much better one. We offer high bred, well belted Hampshire hogs on a money-back plan. That's the only way we sell. Let's get acquainted. FRANK H. PARKS, OLATHE, KANSAS.

at this place that they express their desire to return with their best fitted animals. No doubt, the splendid barns, water system, and conveniences on the fair grounds, together with the nice location and the best of transportation facilities have been means of contributing materially to the rapid growth and success achieved by the Kansas State Fair association at Topeka during the past three years, until this fair is ranked as one of the five largest stock shows in America.

S. E. Kansas and S. Missouri

BY ED. R. DORSEY.

J. T. Ellis & Son of Adrian, Mo., successors to A. J. Erhart & Sons, breeders of high class Poland Chinas, will hold their entire herd and ship no more hogs until after the sale of September 5. On that date they will sell 50 head by Long John's Equal, Major B. Hadley, Giant Wonder, Big Spot and Young Hadley. Andy Erhart was one of the best hog men in the country and kept his herd to a high standard. The herd is in as good hands now as it ever was. We hope to see Mr. Ellis have a great sale on September 5 because his hogs are deserving of it. Mr. Ellis has \$54,000 invested in this great herd and the farm on which these fancy hogs grow.

Editorial News Notes.

The Best Studding Anchor Plates. If you are going to build any kind of wood building with concrete foundation, don't run any risk—use the Studding Anchor Plates, the best known device for connecting a wood stud to a concrete foundation. Full information furnished by Stud Anchor Works, Mendota, Ill.

Cream Buyers' Examinations

All persons buying milk or cream on a butter fat basis in Kansas, are required by law to first obtain a permit from the state dairy commissioner. This law is the outcome of an effort to limit the business to those persons who are competent to sample and test, and who are familiar with common sanitary laws. The producer gets the benefit by enabling him to receive proper returns for his milk and cream.

To avoid undue hardship to cream buyers in coming under this law, examinations are being held at various points throughout the state. The remainder of the schedule of examinations now being given is as follows:

Table listing examination dates for various locations: Wa Keeney, Russell, Hill City, Lincoln, Hutchinson, Great Bend, Ness City, Scott City, Lakin, Dodge City, Meade, Coldwater, Kingman, Wichita, Winfield, Independence, Columbus, Manhattan.

With the exception of the examinations at Manhattan, all meetings will be held at the court house in the cities named, at 9:30 a. m. A lecture and general discussion will be held in the morning and the written examination follows in the afternoon. George S. Hine, dairy commissioner at Manhattan, will be glad to give detailed information concerning the state dairy law to anyone who will ask for it.

Expose Quack Veterinarians.

Mr. Editor—As the "horse plague" season is approaching why not have a few good letters concerning the numerous forms of graft employed by veterinarians, so-called, to separate the unlucky and panic-stricken horse owner from his money. A little airing would not hurt the few square vets—the others need advertising. J. C. Yager. Scott City, Kan.

Farmers Mail and Breeze Pays Advertisers.

Farmers Mail and Breeze, Topeka, Kan. Gentlemen—I have had good trade the past year. I shipped last week, one boar to J. A. Conley, Eskridge, Kansas, and 7 bred gilts to J. C. Cave, Hugo, Colo. Yours very truly, D. O. BANCROFT, Breeder of Duroc-Jersey Swine. Osborne, July 1st, 1913.

Farmers Mail and Breeze, Topeka, Kan. Gentlemen—I am getting good returns from my advertising with you, and business has already commenced to pick up. I have made several sales lately, and have some good prospects lined up. Yours very truly, DON VAN WORMER, Dealer in Real Estate. Rolla, Kansas, July 18th, 1913.

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

MULE FOOT HOGS.

Mule-Footed Hogs... hardy; resist disease; the best rustlers known; pigs can be sixteen weeks old, \$30 pair. Circular free. DR. W. J. CONNER, LABETTE, KANSAS.

MULE FOOT HOGS

More premiums won in 1912 than any herd in U. S. Spring boars and gilts and pigs in pairs not related. Zeno G. Hadley, R.F.D. 5, Wilmington, O.

O. I. C.

50 O. I. C. Pigs Henry Knapling, Elmore, Kansas.

O.I.C. Boar Pigs HARRY HAYNES, Meriden, Kansas.

Maple Leaf Improved Chester Whites All ages, the best of the breed, out of sows not akin. Priced to sell. R. W. GAGE, Garnett, Kan.

100 Spring Pigs, early farrow (both sexes) and choice yearling boars. Ask for prices now. Well grown and extra good. Immune. Chas. H. Murray, Friend, Neb.

BOOKIN'S O. I. C. HOGS. Booking orders for five different boars, out of sows not akin. Priced to sell. F. C. BOOKIN, RUSSELL, KANSAS.

RUSSELL'S O. I. C.'s February and March pigs ready for shipment. The large prolific type. Satisfaction guaranteed. H. R. RUSSELL, Sedgwick, Kan.

50 O. I. C. Pigs for Sale

Sired by my leading herd boars. Write for prices and descriptions. Andrew Kosar, Glasco, Kan.

NEEF'S CHOLERA IMMUNE O. I. C.'s

Spring pigs of either sex in pairs and trios no kin. Also tried sows and fall gilts bred fall farrow. Pure bred seed wheat, seed rye and Collie pups for sale. Riverside Farms, J. H. Neef, Boonville, Mo.

DUROC-JERSEYS.

Smith's Durocs Fashionably bred boars, including grandsons of the great Graduate Col. and a herd-heading son of the champion, Tatarax. Also spring boars. J. R. SMITH, NEWTON, KANSAS

MODEL AGAIN Duroc boars, \$12.00 Baby gilts, \$25.00 Bred gilts, \$50.00. R. W. Baldwin, Conway, Kan.

Red, White and Blue Duroc Farm Priced from Taylor's Prize Winners. 25 early Duroc Jersey pigs from prize winners of State Fairs. \$20 for one, \$37 for two, \$50 for three. Bred sows \$25 to \$35, for August farrow. Fall boars \$30.00. J. L. TAYLOR, Olean, Missouri.

A FINE OFFERING Spring pigs sired by R. C. Buddy Watson's Col. and Model Top. Priced \$20 and up. R. C. WATSON, Altoona, Kansas.

Deep Creek Herd Durocs! Orders taken now for early spring pigs, dams either state fair prize winners or sired by prize winners. Write for low prices. C. O. ANDERSON, MANHATTAN, KAN.

Big-Type DUROCS Fall gilts bred or open. Booking orders for spring stock. Monarch, Wonder, Col. and Buddy strains. Fall sale Oct. 17. MOSER & FITZWATER, GOFF, KANSAS

Big Stretchy Durocs A choice lot, either sex, for sale, also S. C. White Leghorns, extra fine stock. HARRY GIVINS, Madison, Kansas

PERFECTION STOCK FARM Duroc-Jersey boars, Nov. and Dec. farrow, sired by sons of B. & C's Col.; Buddy K IV and Grand Master Col. First Choice \$25; Second choice, \$20 for next 30 days. Weight 150 to 175 lbs. CLASEN BROS., Union City, Oklahoma

Good E. Nuff Again King 35203

Heads our great herd. Sale average: March 11, sows, \$77.50 sows and gilts, \$52.00. Write for prices. W. W. OTEY & SONS, Winfield, Kansas



Royal Scion Farm Durocs

The great Graduate Col., assisted by Col. Scion, heads this herd. Spring and fall boars, some of them show and herd header material; also a few gilts and spring pigs, either sex. G. C. Norman, R. 10, Winfield, Kan.



DUROC-JERSEYS.

TAYLOR'S SPRINGDALE DUROCS Spring pigs for sale from ancestors that were leading State Fair winners in 1911 and 1912. Fall gilts same breeding and quality. Chas. L. Taylor, Olean, Mo.

E. A. TRUMP, Formoso, Kan.

Breeder of fashionable Duroc-Jerseys Stock for sale at all times. Write for prices and descriptions.

ILES' Farm Duroc-Jerseys

A selected lot of early boars and gilts sired by and out of prize-winning boars and sows. The big kind with quality and guaranteed to please. Priced right. Visitors met by appointment at Everest or Pierce Junction. E. C. ILES, Everest, Kansas

Clearview Stock Farm Durocs

All ages. A few open gilts, also tried sows, bred for September and October farrow. Spring pigs, pairs or trios. Satisfaction guaranteed on mail orders. A. J. HANNA, ELMDALE, KANSAS.

Duroc-Jersey Spring Pigs

Dark cherry, sired by Bull Moose Col. 12255, he by King Col. 89533 and out of large prolific sows of popular breeding, priced reasonable, and f. o. b. your station. Arthur A. Patterson, Ellsworth, Kan. if desired.

McCarthy's Durocs

A few October boars by J. R.'s Col. by Graduate Col. Also a son of the champion, Tatarax, that should head some good herd. Dan'l McCarthy, Newton, Kan.

FORTY MARCH PIGS

Also a few October Gilts bred to farrow last of September. Prices right. Descriptions and prices by return mail. J. E. JACKSON, KANOPOLIS, KANSAS.

Stith's DUROCS

Sows and gilts bred to and young boars and gilts by Model Duroc, one of the best sires of the breed. His half brother and sister were grand champions. His sire was a champion. Write today. CHAS. STITH, Eureka, Kansas

Quivera Place Durocs

A few, choice summer boars and gilts, sired by Quivera 106611. E. G. MUNSELL, Herington, Kansas.

BONNIE VIEW FARM DUROC-JERSEYS

Extra fine spring pigs, sired by Tat A Walls and S. C.'s Col. Searle & Cottle, Berryton, Kans.

HILLSIDE DUROCS

1 yearling boar for sale cheap. Spring pigs of both sexes, a few by the Jr. Champion at Topeka Fair, priced right. W. A. WOOD & SON, ELMDALE, KANSAS

Duroc Pigs, Popular Breeding

I am offering 100 spring pigs, by Eckman's Special 124663 and Gold King 126195 out of sows by B. & C's Col., Buddy K IV, Chief's Martial, Belle's Chief 2nd, Golden Goods, etc. Youdon Eckman, Vinland, Kans.

Dreamland Colonel

Summer and fall boars and gilts for sale. Everything immune. Nothing but desirable animals offered. Prices reasonable. LEON CARTER, Asherville, Kan.

10 Duroc Jersey Boars

of summer and fall farrow. \$25 each to move them quick. Sired by Model Chief and out mature sows. Dana D. Shuck, Burr Oak, Jewell Co., Kansas

Bancroft's DUROCS

We hold no public sales. Nothing but the best offered as breeding stock. September gilts open or bred to order for fall litters. 30 March pigs. Pairs or trios no akin. Prices right. Customers in 10 states satisfied. Describe what you want. We have it. D. O. BANCROFT, OSBORNE, KANSAS.

GRAND CHAMPION DUROC-JERSEY SALE

AT Marlow, Oklahoma, Wednesday, Aug. 27

35 Fall Yearling Gilts, 2 Tried Sows, 3 Extra Good Yearling Boars

20 of these gilts are bred to and 17 sows and gilts are by the greatest son of Graduate Col.

GRANDMASTER COL. II (three times grand champion), Reserve Grand Champion 1910, and Grand Champion 1911-12 at Oklahoma State Fair.

Mr. Breeder, these hogs will please you. Be sure to attend this sale. Buy one of these sows and raise a boar good enough to head your herd. Catalogs are now ready. Send your name today, mentioning Farmers Mail and Breeze.

W.A. WILLIAMS, Marlow, Okla.

Auctioneers—J. D. Snyder, Lafe Burger, Fieldman—A. B. Hunter.

I'll Save Your Hogs

Rid Them of Disease! Make Them Grow Faster and Fatten Quicker!



All I ask is an opportunity. You don't need to send me one cent—you don't obligate yourself for a single penny, unless I prove to you beyond any question of doubt that I have made you money. All I ask of you is to try my time-tested Hog Conditioner under a positive guarantee that it will make your hogs grow faster and fatten quicker or **no pay**. I want to show you what a remarkable change my Hog Conditioner will make in 30 days—make your hogs weigh more, look better and be **worth more money**.

SIPE'S Hog Conditioner kills intestinal, stomach and kidney worms and does it quick—not like lye and poisonous mixtures that toughen the membranes of the stomach and intestines—but more effectively and quicker than any other hog conditioner on the market. I will give you a positive guarantee on this point—I know it.

90% of all Hog Diseases are due to worms and indigestion. Less than 3% of so-called "hog cholera" is real cholera—but is a weakened condition directly or indirectly due to worms and nothing else. Keep your hogs free from worms and in a healthy condition, and they will not be subject to cholera, pneumonia, typhoid fever, measles, etc.

PRACTICALLY every hog breeder in Missouri and Kansas can tell you about Sipe, "The Hog Man," and Sipe's Hog Conditioner. Many of them have been feeding it now for nearly ten years. Time after time hog breeders whom I never heard of before would telegraph me, "My hogs are dying. They tell me you can save them. Come and help me out"—and Sipe, and Sipe's Hog Conditioner, did save them. That's why you will find my remedy on the farms of all the big breeders; **they can't afford to be without it**. But it's impossible for me to get acquainted with all

of you farmers as I have with the breeders, and it's worth just as much to you as it is to them. So to introduce my Hog Conditioner to you, I will make you the following trial offer:

I Will Feed Your Hogs for 30 DAYS!!

You don't need to send me one cent—just tell me how many hogs you have and I'll send you enough to feed them 30 days, with full directions. If at the end of the month you don't agree absolutely that your hogs are benefited, that they are in better condition than they ever were before, you won't owe me one cent. All I ask of you is to pay the small freight charges and to feed the Conditioner according to directions. If you don't find your hogs in better shape than you ever saw them before you won't owe me a single penny—if you do, then just the regular price of the Conditioner which is the lowest of any on the market, efficiency considered.

HERE'S THE IDEA IN A FEW WORDS—

It's the Healthy Hog that Brings Home the Money!

Sick hogs never made anybody any money—to make money you have got to keep your hogs healthy. To keep hogs healthy you must keep them free from worms. Hog worms stunt hogs—sap their vitality and weaken them so that they are subject to many hog diseases. All hogs are "wormy"—by their very nature they are so when pigs and grow more as they get older. Eating germ laden and germ producing slops and swills, dead

and decayed animals and refuse of all kinds, a hog hasn't a chance in the world to be in any other condition but "wormy." There's only one way to get rid of them and that is feed a worm expeller, but better yet feed a worm expeller and conditioner—give your hogs something not only to rid them of worms but **tone up the system**, clean the stomach and intestines, sharpen the appetite, put **snap and vigor** in their whole system.

Read What the Hog Breeders Say:

Ship us at once 500 pounds condition powder for hogs.—**THE DEMING RANCH**, Oswego, Kan.

I have been feeding your conditioner since about the first of April to 65 spring pigs and find it the best conditioner I have ever used. Also have fed it to my brood sows with good results.—**AUSTIN SMITH**, Dwight, Kan.

We think your condition powders are as good as there is on the market. Please ship at once another 100 pounds for it takes a long time to get a shipment through to us.—**EDMUNDSON YERGER**, Breeder high class Duroc-Jersey Swine, Mound, La.

Enclosed find check for \$5.50 for a 50-pound sack of your remedy. I am certainly pleased with it and I believe it saved me \$100. I have used it before and am certainly pleased with it.—**J. D. VANANBURG**, Marysville, Kan.

We are using your conditioner and are pleased to state that our hogs are in fine condition and doing well.—**HOWELL BROS.**, Herkimer, Kan.

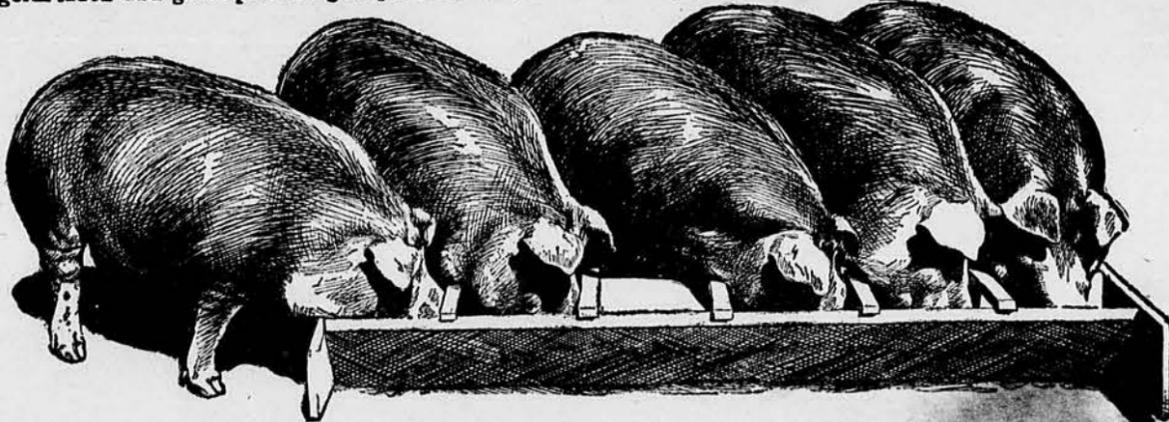
I have used several barrels of your hog conditioner in the last two years. It does not hesitate to say that I find it has more merit than anything of the kind that I have ever used. By feeding your conditioner to my 500 Mammoth Poland China hogs I have been able to keep the entire herd healthy and doing well, and making money. I have had hog diseases on all sides of my farm and my neighbors haven't any hogs left, but my herd stands out prominent as a well and healthy herd, free from disease.—**W. B. WALLACE**, Ellerslie Stock Farm, Bunston, Mo.

Replying to your letter of _____th will say I have lost no more hogs since using your conditioner. They seem to be coming along all right now.—**L. R. KERSHAW**, Muskogee, Okla.

I have been feeding Sipe's Hog Conditioner for 6 years. I have great confidence in it and can recommend it as being the only reliable conditioner I know of.—**ROY JOHNSON**, Breeder of Big Poland China Hogs, South Mound, Kan.

I have used Sipe's Conditioner for the last 5 or 6 years and I like it better than any hog conditioner I have ever used. It has proven to be a good worm destroyer and general conditioner.—**TOM MEISER**, Breeder Poland China Hogs, Sabetha, Kan.

My hogs were very much out of condition when Mr. Sipe came along and induced me to try his hog conditioner. Can say by feeding according to directions I straightened up the herd and put them in fine shape.—**WEBB**, Vandena, Kan., Breeder Big Poland China Hogs.



Here's My Offer:

Now you read what I have to say on the hog question,—you have read letters from some of my customers. I now want to prove it to you with your own hogs. Fill out the coupon here, just give me your name and address and the number of hogs you have,—I'll send you a whole 30 days supply. Take it—use it. Only follow our directions. Then if you don't find your hogs in an improved condition, free from worms or disease, up on their feed, coming fast, looking better than ever before, growing faster and putting on more weight, you won't owe me a single cent. That's my plain guarantee—no money down—you are the judge—can you ask anything better? Why take any chances? Send the coupon today. I don't care how many stock foods or conditioners you have used I'll guarantee "Sipe's" to do exactly what I tell you or **no pay**

YOU'VE just got one simple proposition to decide; which are you going to raise—Hogs or Hog Worms—worms don't live or exist on nothing—the stomach worm gets its nourishment before the hog has a chance. Other worms sap the life blood from the hog by fastening themselves in the stomach, intestines, or some other vital part of the body and keep the hog working overtime to develop power and vitality to withstand their ravages. Your hogs can't grow and fatten as they should when worms are growing and multiplying on their very life's blood.

SIPE'S CONDITIONER MFG. CO., Hiawatha, Kan.

Ship me enough Sipe's Hog Conditioner to feed my hogs for one month. I will pay the freight charges, and if it does as you claim I will pay for it at your regular prices, at the end of 30 days. Otherwise you are to cancel the charge.

I have _____ old hogs, _____ shoats, _____ pigs.
If your hogs are sick now write me a special letter describing them as near as possible.

Name _____

P. O. _____

Shipping Station _____ State _____

M. B. 39.

Prices
30 lbs. \$ 3.50 50 lbs. \$ 5.50
100 " 10.00 250 " 22.50
Sold only in Trade Marked packages. Never sold in bulk.

BRUCE SIPE, Gen'l Manager
SIPE'S CONDITIONER
MFG. CO. Hiawatha, Kan.