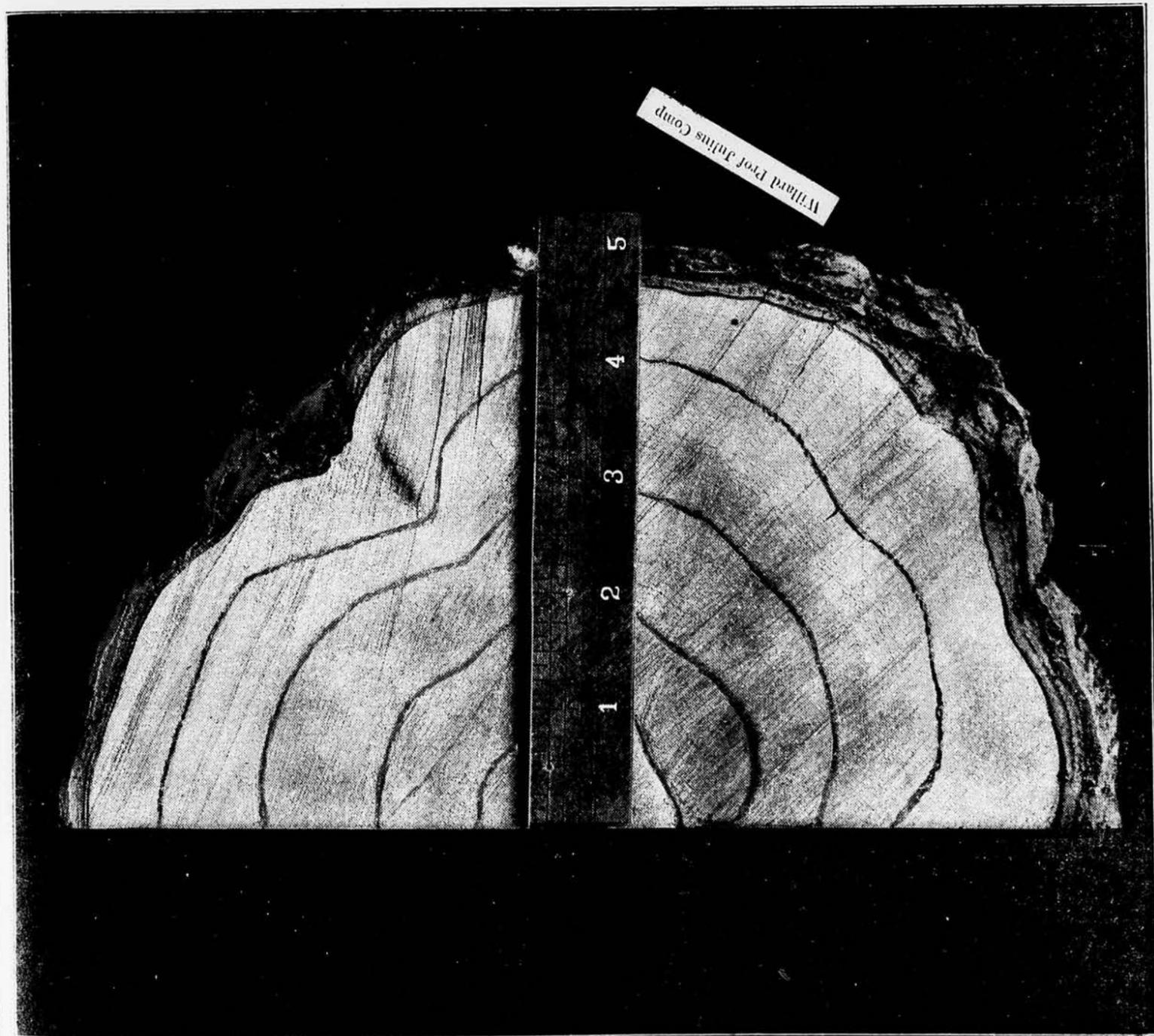


THE FARMERS MAIL AND BREEZE

Volume 42

February 22, 1913

Number 50



Timber Possibilities in Kansas: Half Cross Section of a 5-Year-Old Speciosa Catalpa. Page 11
 (Exhibit from plantation of C. W. Delker, Stafford county, showing 10 inches growth of timber in five years.)

THERE is such widespread interest in Sweet clover this year, from every part of Kansas, that in next week's issue Farmers Mail and Breeze will make it the subject of a leading article by A. M. TenEyck, now of Iowa Agricultural college. He will discuss the whole Sweet clover proposition, from preparing the ground and planting the seed, to its use as feed, as a soil improver, as well as a help in getting land into condition for alfalfa; not omitting to tell you under what circumstances it would benefit you or be less to your advantage than something else. It will be information you can rely on. Something about fences coming, too.

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THE FARMERS MAIL

AND BREEZE

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Number 50

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WHAT SHADE TREES FOR PLANTING IN KANSAS?

KANSAS has lost many trees within the last two years. I am constantly being asked, "What kinds of trees are best to plant for shade in my yard?" The question is usually followed by a statement that the maples, boxelders and cottonwoods that were planted 30 years ago or more are now dying from some cause often not known. Other species have been tried, and for some reason failed to do well.



C. A. Scott.

The drouthy conditions the last two years have caused the death of a great many trees. The short lived species have suffered most, but the White elm, Green ash, and even the Honey locust have been badly injured in some sections.

Insect pests have demanded a heavy toll, also. Borers of various kinds are active in the White elm, Soft maple, cottonwood, Black locust and other species. Scale insects are so numerous in certain sections they are seriously injuring many valuable trees. The spring and fall leaf-eating caterpillars and the bag worms also are on the job and busy.

In Massachusetts the gypsy and brown-tailed moths are destroying thousands of valuable trees and the state has spent millions of dollars in combatting these insects. In Pennsylvania the Chestnut blight threatens the destruction of the chestnut trees. In Kansas we have not yet experienced any such destructive outbreaks, but the general attack by the elm-tree borer and the scale insects are causing an immense amount of injury and some protection must be given the trees to prevent their ultimate destruction.

Kansas is a large state and the soil and climate vary so greatly that a list of trees for street or yard planting must be varied to suit the different conditions. In relation to tree growth the state should be divided into three divisions.

Division No. 1 should include the entire eastern part of the state, extending as far west as the 98th meridian. This is approximately the line between Republic and Jewell counties extended south across the state.

The west end of the state should be divided into

Approved Lists From Which Selections May Be Made For Any Part of the State—Tree Care

BY CHARLES A. SCOTT
State Forester, Manhattan, Kansas

two parts on an east and west line, the Arkansas River valley making the dividing line.

The northwest section of the state makes Division No. 2, and the southwestern section Division No. 3.

Division No. 1 includes the territory within which the annual precipitation averages 28 inches or more. The soil of this division is by no means uniform, but with few local exceptions it is good soil for trees.

In Divisions Nos. 2 and 3, the average annual precipitation is below 24 inches, but the character of the soil is markedly different. North of the Arkansas

in the districts for which they are recommended and as free from insect attacks as any of our native trees.

In favorable locations in Districts Nos. 2 and 3 the Sycamore-Platanus occidentalis can be grown very successfully. The three lists include nearly all of the species that can be made to grow well throughout the districts in which they are listed. Several very desirable species which grow successfully in the southeastern part of the state are not found north of central Kansas.

If the character of the soil is congenial and the weather condition ideal, trees from 4 to 6 inches in diameter and from 16 to 24 feet in height may safely be planted. But during dry weather and high winds, trees of this size suffer great injury. In my judgment, trees of the broad-leaved species about 2 inches in diameter, cut back to about 8 feet in height, recover more readily from the shock of transplanting. In five years' time they will be better trees than they would have been if 3 or 4 inches in diameter when set out. In District Nos. 2 and 3 I should plant even a smaller sized tree, because of the prevailing high winds during the spring months.

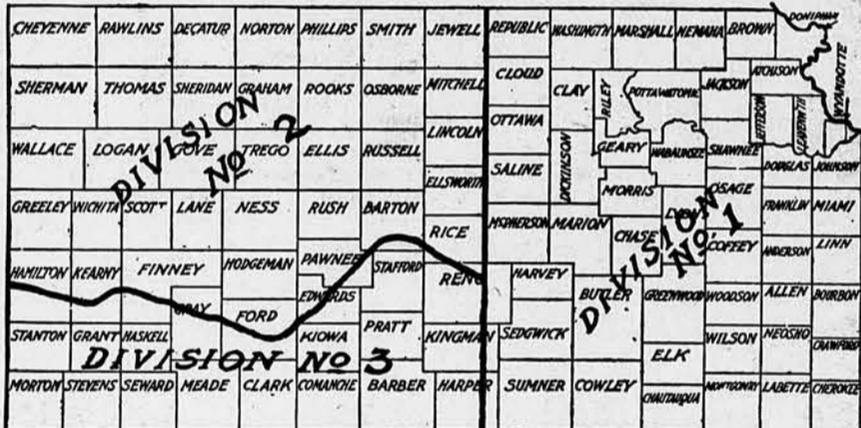
Transplanted, or root pruned trees, recover from the shock of being taken up and set out in a new location more quickly than wild seedlings and for this reason nursery-grown stock is always preferable to wild seedlings.

Trees for the yard or street should have good straight stems and well-developed symmetrical crowns. Trees with crooked stems have a tendency to straighten when set out where they have plenty of room, but they never make such desirable trees as those that are straight to begin with.

The most satisfactory planting-size for conifers, or evergreens, are once or twice transplanted trees that vary from 2 to 3 feet in height. Larger trees are handled with more difficulty and less success. In my judgment the failure of many to succeed in growing conifers is due to setting out trees that

were too large, and in not being careful enough to protect the roots from the sun and wind before planting. Another safeguard that should be carefully observed in Kansas, especially in the western part of the state, is to protect the trees from injurious winds during the first month or six weeks after they are set out. An evergreen tree set out in full foliage suffers a greater shock in transplanting than do the

(Continued on Page 13.)



The state forester's tree-planting map. Any of the trees listed in Table No. 1, on this page, are suitable for planting in the territory marked Division No. 1 on the map. Lists of trees are given for all the divisions.

river, excepting within the other river valleys, it is a hard loam. South of the Arkansas river it varies from a sandy loam to light drifting sand. Within each of these divisions the greatest factor of difference will be between the bottom land and upland soils.

The trees named in the three lists given on this page, are recommended for street and yard planting because they are long-lived species, perfectly hardy

Trees For Division No. 1	Evergreens For Division No. 1	Trees For Division No. 2
Sugar or Rock MapleAcer saccharum.	The coniferous trees that are suitable for yard and ornamental planting are as follows:	Thornless Honey LocustGleditsia triacanthos.
Norway or Sycamore Maple Acer platanoides.	White Pine Pinus strobus.	Hackberry Celtis occidentalis.
Purple-leaved MapleAcer schwedleri	Red or Norway Pine Pinus resinosa.	White Elm Ulmus Americana.
White Oak Quercus alba.	Table Mountain Pine Pinus pungens.	Green Ash Fraxinus lanceolata.
Red Oak Quercus ruba.	Pitch Pine Pinus rigida.	Russian Wild Olive Oleaeginus angustifolia
Pin Oak Quercus palustris.	Western Yellow Pinus ponderosa.	Pagoda Tree Sophora Japonica.
Burr Oak Quercus macrocarpa.	Austrian Pine Pinus Austria.	Osage Orange Toxylon pomiferum.
English Oak Quercus pedunculata.	Scotch Pine Pinus sylvestris.	Red Cedar Juniperus virginiana.
Hackberry Celtis occidentalis.	Swiss Mountain Pine Pinus mugho.	Dwarf Juniper Juniperus communis.
White Elm Ulmus Americana.	European larch Larix Europea.	Chinese arbor vitae Thuja orientalis.
Rock or Cork Elm Ulmus Thomasi.	Colorado Blue Spruce Picea parryana.	Austrian Pine Pinus Austria.
English Elm Ulmus campestris.	White Spruce Picea Canadensis.	Scotch Pine Pinus sylvestris.
Tulip Tree Liriodendron tulipifera	Black Hills Spruce Picea Canadensis.	
Sycamore or Plane Tree Platanus occidentalis.	Norway Spruce Picea excelsa.	Trees For Division No. 3
Orientalis Sycamore Platanus orientalis.	Douglas Spruce Pseudotsuga mucronata.	Hackberry Celtis occidentalis.
Black Cherry Prunus serotina.	White or Silver Fir Abies concolor.	White Elm Ulmus Americana.
Red Bud Cercis canadensis.	Chinese arbor vitae Thuja orientalis.	Russian Wild Olive Oleaeginus angustifolia.
Kentucky Coffee Tree Gymnocladus dioleus.	Bald Cypress Taxodium distichum.	Russian Mulberry (non-fruiting only.)
Thornless Honey Locust Gleditsia triacanthos.	Dwarf Juniper Juniperus communis.	Kentucky Coffee Tree Gymnocladus dioleus.
Basswood or Linden Tilia Americana.	Red Cedar Juniperus virginia.	Pagoda Tree Sophora Japonica.
Linden or Bee Tree Tilia heterophylla.	Irish Juniper Juniperus communis.	Osage Orange Toxylon pomiferum.
White Ash Fraxinus Americana.	Swedish Juniper Juniperus communis.	Red Cedar Juniperus virginiana.
Green Ash Fraxinus lanceolata.		Chinese arbor vitae Thuja orientalis.

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PASSING COMMENT

by T.A. McNeal

CONDITIONS IN MEXICO.

It is not blasphemous to say that the present condition in Mexico is nearly hell. Neither human life nor property are protected. Anarchy nearly describes the state of affairs in Mexico.

A great many people jump to the conclusion that orderly government in Mexico is an impossibility. I have heard dozens of people say that the Mexicans are entirely incapable of self-government and that an unlimited despotism is the only kind of government that can possibly succeed in that unhappy country on account of the ignorance and worthlessness of the masses of the people.

It is true enough that under present conditions a republic as we understand it is impossible in Mexico, but it has been the fault of the ruling classes in that country a great deal more than the fault of the masses. Tens of thousands of Mexican peons have come to the United States during the past few years to work. It has been said that the Mexican peon will not work.

I have often heard men say that it was no use to give Mexican peons living wages because they would work just long enough to earn money sufficient to buy the miserable fare they have been accustomed to and loaf the rest of the time. However, when these same peons have been given a chance to work just as common laborers in this country at wages that seem small to us, but which are five or six times as much as they could get at home, they have proved to be steady and reliable workers.

They are disposed, as a rule, to take advantage of the privileges they enjoy in this country. They send their children to school and these children are reported to be as studious and bright as the American children. Sometimes there are quarrels among these Mexican laborers and after the manner of their race they are more prone to use a knife than American workmen are when they get into a quarrel, but as a general rule these laborers are orderly, industrious and saving. They do not waste their money, they save it—showing that the story told so often that they have no ambition and thrift is not true.

The trouble with Mexico is that the masses have never had a chance to become fitted for self-government. Diaz established a despotism. He tried to build up the industries of the country and did build them up, but he did not build up the character or open the door of real opportunity to his people.

Wages were raised somewhat, but the greedy upper classes only exploited the laborers the more and at the end of Diaz's long reign the laborers were still steeped in poverty and ignorance. The overlords still held possession of the lands to the extent that in some cases it took a railroad train traveling at moderate speed all day to traverse the estates of a single Mexican hidalgo. Cunningly devised laws were created that robbed the humble Mexicans of lands they

supposed they had owned or their fathers had owned before them for generations. No wonder there was revolution.

Madero has made a failure. Whether his intentions were good or not he has not been strong enough to control the situation and must give up sooner or later. Perhaps some strong man will arise like Diaz who will be able to control the situation, and if he is the right sort of a despot it will be fortunate for Mexico. If he is a despot who has the will and the power to give the masses of Mexicans a fair show, if he can put into operation a plan that will break up the vast estates of Mexico and distribute the lands among the masses and at the same time establish a system of schools that will give the peons a real opportunity to acquire a good, common school education, in time it will be found that these same Mexicans are capable of self-government. There never can be permanent peace and prosperity in Mexico so long as the masses are ground down in poverty and ignorance and without an opportunity to acquire homes for themselves. The vast landed estates must be broken up. The system of practical feudalism must be supplanted by freedom and opportunity. Do you blame the common Mexican for being a revolutionist? Why, under heaven, shouldn't he be a revolutionist? What has he to lose by a revolution?

POSTAL BANKS SHOULD LEND MONEY.

Writing from Cawker City, J. V. Boggs says: "I would make every postoffice a bank and pay 2 per cent on deposits, then lend such deposits to the people at 4 per cent per annum, making the loan a lien on all the property the borrower had, and if he had no property subject to execution, then make a lien on his labor."

No money should be lent for purely speculative purposes. If there is not sufficient paper money, let the government issue so much as may be necessary.

ASKS SOME QUESTIONS.

Editor Mail and Breeze—I read with much interest and profit your Passing Comments. Your ideas on government loans, state insurance and graduated land tax are, to say the least, fine. I would be much pleased to have you give your ideas on occupancy and use as the only title to the possession of lands. Also what you think of the action of the senate in the case of Senator Stanton. Lebanon, Kan. A. F. DUNTON.

I have already given my opinion concerning the action of the senate in the Stanton case and have seen no reason to change that opinion. Eventually, the principle will be recognized by progressive governments that land is as necessary to human life and happiness as air and that no one has a moral right to hold land for speculative purposes purely.

We cannot, of course, abruptly destroy titles nor should we do so. I am in favor of a graduated land tax for the reason that I wish to encourage the ownership and cultivation of small tracts of lands by the owners themselves. I would, therefore, tax very lightly if at all small tracts of land that are being cultivated by the owners.

I would gradually increase the tax on larger bodies of land until it would not be profitable to hold large bodies of land for speculative purposes. I would discriminate, also, in favor of the man who was cultivating his land as against the man who was not cultivating it. In other words, I believe that the ideal agricultural condition is small farms cultivated by the owners.

Tenantry is bad for the tenants, bad for the owners and bad for society. If our farm lands were properly cultivated the average yield would be doubled or quadrupled and at the same time the fertility of the lands would be increased instead of continually decreased as is the case under the present wasteful system.

MORE ON GOVERNMENT LOANS.

Editor Mail and Breeze—I have been very much interested in the proposition of government farm loans. What class of people, having as good security to offer, is paying near the amount of interest and commissions the farmer pays? Go to the average county recorder's office and see what per cent of the farmers are mortgaged and the rates of interest they are paying. From 7 1/2 to 12 per cent and sometimes more, counting interest and trimmings is paid, the commission notes on some being as high as 5 per cent. Most of this is being paid to the so-called money trust.

There is now a bill pending in congress providing that the government issue bonds not exceeding 4 per cent interest, the proceeds to be loaned direct to farmers, taking their land as security at not to exceed 60 per cent of its value and loaned at not to exceed 4 1/2 per cent. Also provides for certain restrictions, such as at least half of land must be under cultivation, and the land be used for a home, etc.

This bill sets the maximum in interests, etc. The rate might be much lower. Four per cent government bonds, not taxable, would probably sell at a high enough premium that the rate to the farmer would be 4 per cent and maybe less. Two per cent government bonds would probably sell readily at par, and 2 1/2 per cent bonds at some premium by making the time 20 or 40 years.

Suppose such a bill would pass and the bonds be issued. What would happen? Probably the farmer would borrow the 2 1/2 or 3 per cent money of the government as soon as possible and pay off this money trust. The money trust has the money on hand and wants good, safe action on this money, and so buys a government bond at, say 2 1/2 per cent. Would that put us "more firmly in the grip of the moneyed interests" than we are already, paying them indirectly, through the government 2 1/2

instead of 7 or 12 per cent? Wouldn't that be a good trade?

These government bonds might be issued in popular denominations, say \$100 or \$50 or \$500. There would be hundreds of thousands of dollars come out of hiding, maybe from your nearest neighbor, old people wanting a good, safe place to put their money where it can be cashed at any time and at the same time drawing a little interest; from retired farmers and business men who are not classed with the money trust.

For the life of me, I cannot see anything to shy at in this pending bill and it will pass if the people are not too particular just what kind of a silver platter it be handed to them on. Maybe not this term of congress, but soon.

Suppose such proposition as advocated by some writers in Mail and Breeze go into effect. What would happen? Say every county in every state should issue bonds bearing any per cent interest, the government take these bonds as security for the same amount of greenbacks, send this money back to the county for the county commissioners or any other local men to dispose of.

"How would it be loaned?" the commissioner would say.

"There's my son Tom, he hasn't a very good farm, but he seems to be trying to reform and I would like to help him all I can, so I will recommend that he have a few thousand dollars' loan. Then there is Bill Goodman, he is a good political worker, helped me to be elected this last time and I may need his help again this coming election, and he will feel hard if I don't recommend his loan. Then there is Topeka that wants a few hundred thousand to do a bit of paving, etc. Then here comes another, a steady, industrious, tend-to-his-own-business boy, just married, wants to borrow enough to finish paying out on a little 20-acre piece of land, to make a home by raising an orchard and trucking, poultry, etc."

Mr. Commissioner: "No, can't do it, Bob, money's all gone. Like to, but can't do it," etc., etc.

Again, suppose all of this new money should be put into circulation at about the same time. It would be in volume of millions. Who could guess just what would happen with all our varied interests? In all probability it would throw the whole machine out of balance and we would get some jolts that we would remember for some time.

Suppose the county or district would vote No when it comes to voting bonds. There might be 45 or 20 or even 10 per cent of the people that a good loan would be a great benefit to, but they could not get it and must go to the money shark, one of the majority, and still pay his 7 or 12 per cent.

To make this money trust divide this big rate of interest it is now getting, and the farmer get a low rate, the money trust will not squeal very much. But cut them out altogether and leave them no place to invest their money and see the size of lobby that they will have at Washington to kill any such a bill. And would it be consistent in the supporters of such a measure to point at the money trust as being greedy and selfish? Not exactly.

The borrowing of this government money to make public improvements, and the like, or to lend to industries, and to take all manner of securities is another proposition altogether. To include all in one the farmers will get but little good of it, and they are the very ones it was intended to help.

The quickest way to kill all prospect of any such a bill as is now introduced, is for every one to write his congressman that he wants it some other way. "The corn must be shelled," or "I'll get your goat. If you really want to see government farm loans, on the same general principles the government has in doing business, ask your congressman to support the bill and it will finally come. Pond Creek, Okla. C. W. DILLON.

The foregoing letter has some good suggestions. I do not believe that a government 2 per cent bond could be floated at par. It is true that 2 per cent government bonds have been and are now sold at par and even a trifle above par, but the reason for that is because they are used by the national banks as basis for their currency. A bond bearing 2 per cent interest without such a privilege, in my judgment, could not be sold at par. However, I feel certain that a 3 per cent bond could be sold at par.

Now while I feel certain that there is no necessity for the government borrowing any money or issuing any bonds for the purpose of raising money to lend to the people, I recognize the fact that the plan favored by Mr. Dillon would be a great improvement over what we have now, and rather than have no cheap money for loaning purposes by the government I would favor such a plan with certain modifications.

The Bathrick bill, to which he refers, was published in the last issue of the Mail and Breeze. I also published my objections to that bill as it stands now. I have seen no reason to change my views about the objections urged. However, if we are to have the government bond plan I suggest this: First, let the government make the bonds a popular issue bearing 3 per cent interest. Second, let the bonds be issued in denominations as small as \$25. Third, provide that depositors in the government postal savings banks as soon as their deposits amount to \$25 in any case, may exchange their postal savings bank certificates for a \$25 3 per cent government bond, with the provision that at any time they desire they may exchange their bonds for currency to the amount of the face of the bonds. Fourth, the funds derived from the sale of such bonds shall be lent through the postal savings banks on approved real estate, either farm or city property, at 3 1/2 per cent per annum, the loan in no case to exceed 60 per cent of the assessed value of the property. Fifth, the bonds so issued should be untaxable.

The amount of deposits reported in the 1,922 savings banks of the country aggregates in the neighborhood of 4 1/2 billions of dollars. The amount already deposited in the postal savings banks of the country amounts to about 50 millions. The average rate of interest paid by savings banks to their depositors is not much if any more than 3 per cent per annum and in most of the states, if not all, these savings are subject to taxation.

The average savings bank depositor would much prefer to put his savings into government bonds rather than placing them in a savings bank, if he

could obtain the same rate of interest. It is therefore reasonable to assume that a considerable part of the savings bank deposits would be changed into the 3 per cent government bonds of small denominations. I am not disposed to quit asking for what I want, but if I cannot get what I want I will take what I consider the next best thing. A 3 per cent popular bond issue in bonds of small denominations could be floated, I think, without a doubt, and the money so derived could be lent to the people at 3 1/2 per cent. While I believe that the government should issue the currency direct based on securities deposited in the treasury, I freely admit that this sort of a bond plan has a good many things about it to recommend it.

In this connection I might relate a little incident. A good banker friend of mine, one of the most successful and shrewdest bankers in the state of Kansas, took me to one side the other day. He said that he wanted to talk with me.

"Now," he said, "I read with a great deal of interest your articles on getting cheap money for the people. The only trouble is that our people are a race of gamblers. Cheap money would be a great misfortune to them. It would encourage wild and reckless speculation."

And my banker friend wasn't saying this as a joke. He was in dead earnest about it. And you can't get away from a part of the logic of his reasoning. Make it difficult for a man to get money and he is not so apt to speculate. Make it so that he can't get money at all and you cure him of the speculative fever. There is no doubt about that. The hobo is not apt to speculate. I might say also that a very considerable number of farmers in those parts of the state of Kansas where they have been suffering from crop failures for several seasons in succession, have arrived at the point where they don't speculate except in their minds.

Where my banker friend is wrong is in supposing that if the people could get money at low rates of interest they would immediately proceed to waste it. The old maxim that the fool and his money are soon parted is true enough, but the fool and his money are soon parted, no matter what rate of interest he may have to pay to get the money.

I have seen the time when money in Kansas was being freely borrowed at 12 to 15 or 18 per cent, or even 2 per cent a month and I have seen men who borrowed at that exorbitant rate proceed to waste the money as soon as they got it.

But at least it might be said that it would take a longer time for the fool to waste his substance when he could get money at 3 or 3 1/2 per cent interest than when he has to pay from 12 per cent to 24.

Not only is the theory of my banker friend absurd on its face, but it has been proven wrong in practice. Low rates of interest have always tended to prosperity for the masses of the people, while high rates have made prosperity for the money lenders and no one else. In times of panic and general distress interest rates always run high. In times of confidence and general prosperity interest rates fall.

WILL ARMIES AND NAVIES PRESERVE PEACE?

Editor Mail and Breeze—I do not believe the way for our nation to be peaceful is to have a large standing army and navy. If so, why do we pass laws prohibiting the carrying of concealed weapons? If a citizen goes around carrying two six-shooters and a bowie knife, do we take that as a surety of peace? If it is, why not have all citizens go heavily armed and have more peace?

Again, if your neighbor buys a .22 rifle, according to the well armed theory, you should buy a shotgun. Shall we say that in order to keep peace we must buy more and better arms than our neighbors have? Nations are made up of individuals and it is an axiom that what is true of the component parts is true of the whole, therefore the rule that applies to the individuals applies to the nation only on a larger scale.

There was a time when individuals settled their differences by fighting duels. Duelling is now a felony in the most civilized nations, although it was once permitted by law. The result of war is a matter of strength, not of right and wrong. You cannot force people to be patriotic. You must give them something to be patriotic for.

If half the money spent on wars and preparation for war were spent in reclaiming land, so that the people could have homes, there would be more patriotism. A man will fight harder for his own home than for the home of anyone else. The United States labor report, 18th volume, pages 54-55, shows 81.1 per cent of the workers are home-fighting in case of war. How can we, as Christians, advocate and educate people to the art of killing called war, when the Bible says, "Thou shalt not kill." "Peace on earth and good will to men." McCune, Kan.

FRANK DEVEL.

SOME THINGS THEY WANT.

In these times the days of a legislator are apt to be full of trouble and his nights devoid of rest. His constituents are wanting things and they are mind concerning what they want, which makes it worse for the legislator.

Here, for example, is a copy of a few demands sent in to the members of the present legislature. I do not know how many have signed this list of demands, but you can scan them at your leisure and then, perhaps, you will be thankful that you are not a legislator yourself:

You are now in session to make laws for progress, the elevation and advancement of our country, and for equal treatment and justice to ALL

We call your attention to some things needing to be changed to accomplish that end.

A law is proposed to build roads across the state with prison labor. For what purpose are these across-the-state roads but for automobiles alone? We have the railroads to ride on from city to city and across the state. City auto owners are asking for these roads, not the farmers. Make a law taxing automobiles \$50 to \$100 each a year and apply the money so raised to the public roads, as farmers are overtaxed now without making their burden still heavier.

We do not wish to build auto speedways any more than we wish to build railroad tracks at the farmers' expense. Farmers are taxed on their land in the public roads which autos from the cities damage without paying anything to build and keep them in order. Prison labor taken for roadwork would mean the closing of the penitentiary twine plant and trust prices on twine. If we have too much prison labor, why not build state packing and slaughter houses for meat, eggs, butter, etc., and cold storage buildings to pay the producer living prices and wages and sell to the consumer at actual cost? Why not have a state flour mill to prevent trust prices on flour? Why not prevent middlemen's soft snaps and grafts on producer and consumer?

Why not have a law reducing the legal rate of interest to 5 per cent and the contract rate at no more than 7 per cent? Why shall the farmers who cannot and do not make on an average 5 per cent interest on their investment without throwing in their labor pay more than 5 per cent interest; and why shall the state legalize such a graft? Are Christianity, law, justice and right in order and correct only as long as they touch the other fellow's pocket?

The farmer pays the full taxes on his mortgaged real estate. Shall he pay the taxes also on outside of the state money when he cannot get the money without agreeing to pay all taxes, etc., levied on the loan company's money? Would it not be better to reduce the rate of interest on city bonds and farm mortgages alike by law to 4 per cent? Why shall investors in city bonds pay no taxes and investors in farm mortgages pay taxes to the disadvantage of the farmer who is the true foundation of a nation's prosperity and without whom you would have to eat your silver and gold and starve? Do you lawmakers really think that the farmer will tamely submit to such discrimination forever?

Some money lenders have demanded a deed for the money lent and give a bond for a deed to the borrower, but nothing is put on record and the assessor does not get the money. A penitentiary penalty should be given to both if both keep secret such transactions. We want a law to regulate commissions of real estate and loan agents so as

not to exceed 2 per cent on a sale or loan. We want a law demanding all shoes to be stamped to show if they are made of split leather, imitation leather, full stock, etc. We want a law to protect the sheep breeder from depredations of dogs.

We want a law to prohibit any editor, publisher, stockholder or owner of a newspaper or magazine of public or general circulation from using said publications for seeking or holding a public office or postoffice, while in connection with such publications. A newspaper or magazine is a public institution and no one interested in such should be allowed to use them to procure or hold public office any more than a stockholder of a bank shall use funds of the public for his private benefit.

You indorsed a tariff putting meat and cattle on the free list. Hides are already on the free list, but why are shoe and leather goods not on the free list? Is the producer of shoes of greater importance than the producer of hides, without whose product no leather shoes, etc., are possible? We farmers believe in fair play and a square deal, but can we expect to get consideration of our rights from bankers, lawyers and city men as our representatives? Can we expect justice and equal rights to all from men who look upon the dollar as of greater importance than justice and right?

CONCERNING OIL LEASES.

Editor Mail and Breeze—In 1911 one of my neighbors gave an oil lease on his farm. He had been in the hospital off and on for two years and had been home just two weeks after having his leg amputated. His wife was absent and did not sign the lease. The lessees put down a well and got some oil and quit. The adjoining farms are getting plenty of oil by going a little deeper. They won't drill or give up the lease. As the man's wife didn't sign the lease and he wasn't capable of doing business, couldn't the parties who secured the lease be forced to go to work or sign a release? A SUBSCRIBER.

Ponca City, Okla.

Certainly, if it is true that the man was incapable on account of his mental condition to make a lease and his wife did not sign it the lease was invalid and could be set aside. This would, however, require an action to be brought in court to set the lease aside. Furthermore, even if the lease was valid in the first place but the conditions of it were not fulfilled, it could be set aside.

If the owner of the land is not satisfied he had better consult some reliable attorney, who ought to be able to tell him after examining the lease and the facts in the case whether the lease can be set aside or not.

DOES NOT BELIEVE IN INSURANCE.

Editor Mail and Breeze—Having studied the new plans of insurance in "Passing Comment" and talked back to insurance agents for years, I have not found any sensible reason why an able-bodied man should carry life insurance or pay out more than insurance than it costs to harvest his grain, as I have known some to have done. If two men run a pony race for a dollar or shoot

craps in a back alley they are arrested. But the agents in sheep's clothing will get an innocent man to pay \$35 yearly assessments to protect his family and \$150 per year to protect his crop, when God and man know that his family needs bread, beef and books right now.

Insurance is the most dangerous gambling being worked under the name of charity. Why should the legislature work a state insurance bill onto her prosperous people when we don't want it? Shall our fair state be a party to the insurance swindle? The lightning rod agent gets his victims once, but the insurance companies get their annual toll. The insured man is like a clam or an oyster, building a pearl to be enjoyed by strangers after he is dead.

Some agents will not insure the lives or property of negroes. This is the first instance in history where negroes have not been discriminated against. Insurance is a gamble where both sides are trying to "beat the game." The side that collects the tax or assessments is not complaining, for it doesn't take long to get enough Kansas money to pay for Alaska. Insurance is the reason for the high cost of living. EDWARD LIND.

Cedar, Kan.

While freely admitting the abuses connected with our system of both life and fire insurance, I am not ready to agree that insurance should be abolished. However, unless the glaring defects of our present system of insurance, especially fire insurance, shall be corrected, there will grow up a sentiment in favor of abolishing it altogether.

There is no doubt that our present system of fire insurance in this country is responsible for making arson one of the most common of crimes. Property losses by fire in this country are appalling and constantly increasing. Losses by fire in the United States in 1890 amounted to \$108,993,772. Twenty years later the annual loss had risen to \$214,003,300, nearly double the loss of 20 years before. How much of this was due to incendiarism, of course, cannot be determined, but there is every reason to believe that a large per cent of it was. Arson is a crime easy to commit and hard to prove. Other countries have a better system and the losses by fire in those countries are a comparatively small per cent of the losses in this country.

LOOKING FOR ETERNAL YOUTH.

Editor Mail and Breeze—You got me very much interested in your last week's Mail and Breeze, in the article which reads, "The Possibility of Everlasting Youth." I am getting up in years, my eyesight isn't as good as it used to be, and my heart goes thumping when I get right mad. But you failed to make it plain enough for me to understand thoroughly. You never stated where the chemist or surgeon is located, so I am at a loss to know where I can get my heart dipped in this great fluid. You also failed to state how to send it, by parcel post, express or freight or if the heart has to be packed in ice and if after it is put back in the body it will be as warm as before.

Cold and stony-hearted people aren't liked very much. I've been told the soul is in the heart. If the fluid is very strong, wouldn't it kill the soul during this process? Would it act on the rich people as on the poor? They have different hearts. We know the rich are very hogish, they would like to own the world with a fence around it. If they got their heart dipped, wouldn't they grunt like a hog afterwards?

I am very much interested in what the dipping would do to a politician. In case our governor and congressmen here in Kansas would get their whole insides dipped in this everlasting fluid, would they hate the Socialists as much in the future as they do at present? They wouldn't even allow one in the Capitol after the people had elected him.

Don't forget when you publish some more about this dipping to make it more clear, so I can understand. Be sure to state in what position a person has to stay while the dipping and shipping take place. Baxter Springs, Kan.

WILLIAM BRUGGER.

There is a Money Trust

The evidence before the Congressional committee shows beyond any doubt there is a money trust. Resting almost exclusively in the hands of the few great money kings, the enormous wealth of the country, the wealth of the people, is utilized one day to promote speculation and the next to close out the victims caught. As affairs are run now, the wealth of the people deposited in the large financial centers is available chiefly to those who are interested, not in raising up competition, but in suppressing it.

The legislation of the next five years should put a stop forever to these schemes of spoliation on the part of great corporations that plunder the people whose capital has created them. These corporations depend upon the public to take their securities. The bonds and stocks of these corporations should represent only the actual value put in.

The officers of these corporations must be trustees for the investing public, held to the strict accountability to which individual trustees are now held, and denied the privilege, as individual trustees are now denied, of making profit out of their trust. The administration of the trust should be constantly under the supervision of the government. Nearly every great corporation is a heavy borrower from the financial reservoirs of the people's wealth, and it is the duty of the government to see that the corporations play square and that the public is amply protected.

When you are asked to support men to represent you in the legislative halls, be sure that they stand for the protection of the great public.

Arthur Capper

Handy Farm Devices

A Once-a-Month Page of Helpful Ideas

Do not think what you have to offer must be original. Make your instructions plain and send us as good a rough sketch as you can draw. Leave the rest to us. By way of incentive a year's subscription to the Topeka Daily Capital is to be the reward for the best device sent in before March 15, 1912. For second and third best, respectively, a year's subscription or extension of subscription to Farmers Mail and Breeze. Send your contributions to Devices Editor Farmers Mail and Breeze, Topeka.

Double Use For Granary Door

[Awarded first prize, a year's subscription to the Topeka Daily Capital.]

Mr. Editor—This granary door opens from the top and drops down on the wagon box in such a way that all grain that falls from the shovel rolls back into the wagon. It is hinged at the bottom and is always ready when you want it. It does away with the old blanket which many people still use and which is a bother.



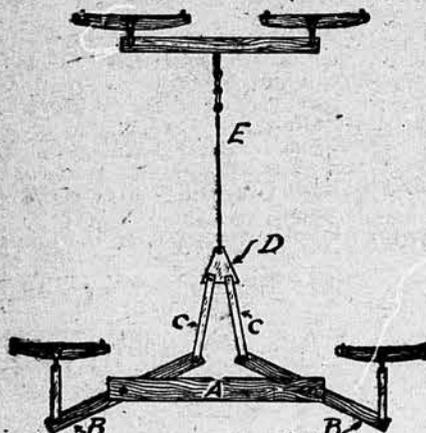
Elmquist Brothers.

R. 1, Bridgeport, Kan.

Wagon Hitch For Two Teams

[Awarded Second Prize.]

Mr. Editor—This sketch shows my 4-horse evener which I find hard to beat. I have used it for 12 years and it has proven particularly satisfactory for a wagon as both teams must pull their portions. However the evener may be used anywhere that a lead team is needed. To make it, take two pieces of iron 2 feet long and 2 1/2 inches wide and drill two 3/8-inch holes



Equal Load For Each Team.

22 inches apart through both pieces. Drill another through the center for the wrench bolt. These two pieces are marked A in the drawing. The pieces BB work between them. Use heavy washers on either side of the pieces B so as to make them work freely back and forth. Each piece B is 18 inches long with the outside holes 18 inches apart, and a hole in the center of each. The four pieces are CC about 10 inches long with holes drilled in each end, then riveted to D at one end and BB at the other, one above and one below. These pieces are strapiron 1 1/2 inches wide and 1/4 inch thick. D is a triangular plate about 3/8-inch thick and the holes are about 3 inches apart. Use a 1/2-inch rod with link for the lead team.

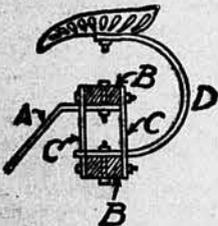
Hays, Kan.

Ed. Kraus.

A Comfortable Riding Seat

[Prize Suggestion.]

Mr. Editor—To make a comfortable hanging seat, cut two 2 by 4 blocks BB 12 inches long and bore three holes in each, one in each end cross-wise and one in the middle through the block the narrow way. The upper block is bolted to the seat post A and the lower one to a spring seat such as is used on riding plows. Four pieces of strapiron CC, 6 inches long are bolted as shown and you have an



easy riding seat for almost any implement. It is especially satisfactory on a disk harrow.

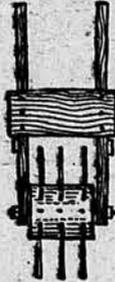
Hillsboro, Kan.

D. H. Dyck.

When the Corn Ground Crusts

[Awarded Third Prize.]

Mr. Editor—Perhaps this device will appeal to the farmer who in seasons past has been called upon to decide whether to let his corn go at half stand or replant. When used at the proper time it will not only break the crust that keeps many plants from coming through but it will benefit the plants after they are up by pulverizing the surface. Mine works to perfection on a Pates "go-dig" but would fit just as well on other



makes if built to fit the gangs. The roller is 3 inches in diameter and 7 1/2 inches long. The teeth are 60-penny spikes with heads cut off, each row containing nine nails. I have three rows of nails in mine. The frame is made of two 1 by 3-inch pieces 26 inches long. The cross piece is 12 inches long. The braces may be made of strapiron. The journals are two 4-inch lag screws. Put washers between the roller and boxing.

Lyons, Kans.

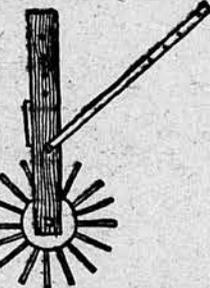
Bert Hines.

Bars For Open Doors

[Prize Suggestion.]

Mr. Editor—A good way to bar an opening against stock and still keep the door open is to nail a few loops of hoop iron on each side and place some smooth strong poles in them. This will let in sunlight and air but keep out stock.

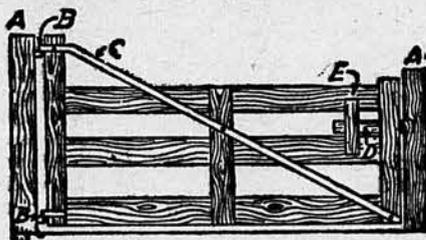
Beatrice, Neb.



Yard Gate That Will Not Sag

[Prize Letter.]

Mr. Editor—Here is a gate that does not sag. The gate posts are AA set well in the ground and are well braced. The gate is hung on a pair of bolts bent at right angles and put through the post at top and bottom. At the bottom a piece of strapiron, doubled over, leaving an eye, completes the



An Old Tire Does It.

hinge. C is a wagon tire straightened out and serves both as hinge and brace. The upper end is looped over the bolt B. D is the gate latch and E a cleat to hold it in place.

Elmquist Brothers.

R. 1, Bridgeport, Kan.

New Idea in Rack Lifters

[Prize Suggestion.]

Mr. Editor—I have an automatic un-loader for heavy hay racks and other wagon bodies that anyone can operate who knows how to drive a team. Fig. 1 shows one section of the frame as it appears before unloading while Fig. 2 shows the position of the frame with

the rack on it. The posts A are 4 by 4s set firmly into the ground. These posts should be set about 8 1/2 feet apart crosswise. The length and height of the frames depend on the racks used. BB are the lifting braces which must be well made and securely bolted to the posts, yet not so tight as to hinder them from moving freely in loading or unloading a rack. The



Fig 1

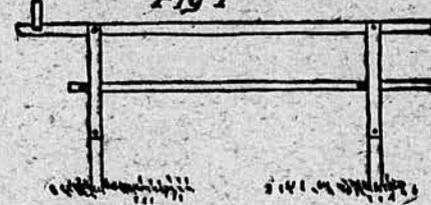


Fig 2

How Lifter Does Its Work.

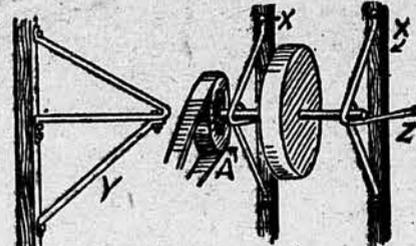
pieces C are 2 by 6's bolted to the lifting braces. At their forward ends two short pieces of 2 by 4's (E) are bolted that strike against the rack as it is being driven between the frames, thus bringing up the lifting frames and raising the rack off the wagon. Two crosspieces of 2 by 4's (D) are bolted lengthwise to the posts to give the frames rigidity. Two blocks (F) are bolted at the forward ends of D to stop the forward movement of the lifting frame. These are placed a little past center so as to lock the frame while up. Two pawls notched at one end are bolted underneath the rack frame with the notched ends against the rear bolster of the wagon. This prevents the rack slipping back as it rises from the wagon.

Fort Smith, Ark. F. Hathaway.

Mount For the Grindstone

[Prize Suggestion.]

Mr. Editor—I want to give you my plan of fastening a grindstone to the



Solid and Substantial.

wall to be run by power of some kind. Let your blacksmith bend a gaspipe or wagon tire as shown, making a pair of brackets. Bolt these to XX, the studding in your shop. Y and Z are braces also bolted to the studding; A is the pulley, the size of which will depend on the speed of the power shaft.

Belleville, Kan.

M. L. Snapp.

Replacing a Lantern Globe

Mr. Editor—When you break your lantern chimney and it is impossible to get another right away a good substitute may be made of a fruit jar, one that has been damaged if there are any. Take one that fits the lantern and mark it for the right height, then soak a string in coal oil and wrap it about the jar at this point. Set the string afire and when almost burned out pour on some water and the jar will break where the string had been.

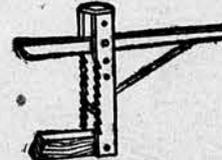
Burke, S. D.

J. J. Petroska.

Wagon Jack With New Wrinkle

[Prize Suggestion.]

Mr. Editor—I believe I have a better wagon jack than the last one described in the Mail and Breeze. The base is a 2 by 4 a foot long. The sides are 1 by 4's 3 feet long. The handle is about 3 1/2 feet long and may be adjusted to different heights by removing the loose



bolt and lowering or raising it. A 1/2 inch rod is hinged to the handle and its other end forms a T to catch the notches and hold the handle at any height desired. When the handle is pressed down the T slips down and catches securely wherever the handle stops. To release it, press down on the handle and lift the rod.

Lakin, Kan.

A. W. Yale.

When Cattle Won't Lead Well

[Prize Suggestion.]

Mr. Editor—It is a well known fact that cattle unbroken to lead will not follow a wagon well when tied behind. The remedy is simple. Tie the animal to the box braces at one side of the wagon, leaving the ropes slack about 4 feet. Use two ropes, one to prevent the animal running ahead of the front wheel and the other to keep him from lagging behind the hind wheel. I have led several vicious steers this way without trouble.

Howells, Neb.

A. B. Fiala.

Cement Blocks Without Form

[Prize Suggestion.]

Mr. Editor—Here is a plan by which anyone can make his own cement blocks very cheaply. Select a clean spot of ground, and dig holes the size and shape of blocks desired. The



mix your cement in the proper proportion, about 1 part cement to 4 parts coarse, clean sand. Mix together dry working it about four times with the shovel, or until it is thoroughly mixed, then add water and mix to about the consistency of a stiff mortar and pour it into the molds formed in the ground. Leave about two days, or until well hardened, when they can be removed for a few more days of hardening. Sprinkle with water several times a day. I have made a lot of such blocks for use under a corn crib. They are 8 inches high, 10 by 14 inches on one side and 6 by 12 on the other. At the cement yards they would cost about 25 cents. My blocks cost me about 10 cents for material. This makes no allowance for labor, as they can be made at a time when other work is not pressing. When sand is near by or can be had for the hauling the blocks will be still cheaper. Here at Pierce we pay 8 cents per hundred for sand. Any number and shape of such molds can be formed at one time. The sides of molds should be flaring for easy removing of blocks. When placing blocks under a building the broad surface should rest on the ground.

Pierce, Neb.

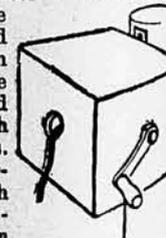
Charles Lederer, Sr.

Handy Reel For Clothesline

[Prize Suggestion.]

Mr. Editor—I have devised a plan for a clothes line reel which keeps the line clean and free from dust, and prolongs its life in wet weather. Take a small box and make some 1-inch holes in the sides. Put a piece of curtain pole through the holes and attach a crank. When not in use the line winds up in the box. A wire line, of course, could not be used this way.

R. 1, Council Bluffs, Ia.

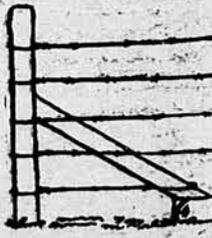


W. M. Chambers.

Knack in Bracing Posts

[Prize Suggestion.]

Mr. Editor—A good brace for a corner post is obtained by setting the end of brace on a block of wood or stone and running a wire from the end of brace back to post. Use No. 9 to 11 size wire. Such a brace will not rot at the lower end as will other forms of braces.



Leonard H. Smith.

Towner, Colo.

Ways-Means-Results

Worked Out by Mail and Breeze Readers

Yellow Corn Yielded Best

Mr. Editor—Last year we had 50 acres of corn of several different varieties—Boone County White, Mammoth Calico, and three yellow kinds—Reid's Yellow Dent, a 90-day variety, and some large yellow corn from a neighbor's seed. Twenty acres of this field was a fall plowed clover meadow, having been in clover three years. The rest was wheat ground, heavily manured and plowed under the first of May.

The white corn was planted first, on the meadow ground. The Calico came next, and the yellow kinds were planted last. All parts of the field received the same cultivation and were kept reasonably free from weeds. The large yellow corn outyielded all the rest, the Boone County White coming second, 3 to 5 bushels per acre behind the yellow. We also found the yellow corn more easily husked than the white kinds.

As to feeding value, we have been able to notice no difference between the several kinds of corn. This year we intend to plant the large yellow variety almost entirely.

Piper, Kan. Warren Scott.

Feeding Tankage to Hogs

Mr. Editor—I have used tankage as a protein feed for hogs for almost three years and am well pleased with the kind known as Armour's meat meal. I have used the tankage from two other concerns but the hogs did not seem to like it. I have never had a bunch of hogs that absolutely refused to eat the meat meal except when they were fed too much at a time.

We begin with 1/8-pound per hog of 100 pounds or over and gradually work up to 1/2 pound or a little more. We have fed it with shorts but found this less satisfactory than when fed alone. Have fed it dry but think the hogs blow it about too much and carry it off on their noses. I prefer to feed it wet making it of a consistency that will run well when put into the trough. The trough should be low enough so the hogs need not get their feet upon it. We have not been troubled by the smell of tankage in summer except when it got wet. This will soon give it a bad odor. When kept dry it is not offensive.

We fed a bunch of pigs in the fall of 1911 that averaged 231 pounds at 187 days old. These pigs were fed all the ear corn they would clean up, 1/2-pound of meat meal each daily, and all the pure water they wanted. They had no pasture, and no milk or shorts. That is probably the best record we have made although we have done nearly as well at other times.

Otto Apollo.

R. 3, Fredonia, Kan.

No Feed Better Than Cowpeas

Mr. Editor—I have grown cowpeas and fed them to stock for 13 years and think there is no better feed raised on the farm than well-cured cowpea hay with the leaves on it. With the peas in the hay a liberal amount fed to a rundown cow or horse will bring results quicker than anything else you can feed. Every animal on the farm relishes pea hay and the threshed peas make good feed for poultry and pigs. Besides these qualities, there is no crop that will build up wornout soils faster than cowpeas. They also leave the soil in good physical condition for the crop to follow.

Don't plant the peas until the ground is thoroughly warm as they can stand very little cool weather. The seedbed should be put in good condition. Make furrows with a shovel cultivator, a single shovel on each beam. The peas may be sown by hand and should not be covered more than 2 inches deep. The first cultivation must be carefully done as the plants are tender and easily covered.

If you are not ready to go into the business on a large scale experiment with them on an acre or two. Try

them for hog pasture or plant some in the cornfield. The Clay cowpeas and the Blackeye Pea are great climbers and will cover stalks from top to bottom as well as all the surface of the ground. This will furnish good pasture for both hogs and cattle. The hogs will find every pea while cattle go after the vines. For both hay and seed, plant the Whippoorwill variety as they will not run to vines so much.

William Littlefield.

Belvue, Kan.

Use Sheep to Weed Cornfields

Mr. Editor—I have just returned from our farmers institute and as is always the case, I learned something of value. This time it was about sheep raising and yet my experience with sheep dates back 50 years; in fact, as long as 70 years ago I sat and held many a sheep's head in my lap while it was being sheared.

I have lived in Kansas 26 years and in the early days when we kept from 20 to 40 sheep on the place there were no weedy cornfields in August and September—no morningglories, Spanish needles and other weed pests. Lambs can be turned into cornfields just as soon as the corn is laid by and left there. The old animals can remain until the corn begins to form.

weighting the vines down to the ground with a shovelful of earth when the blossoms appear pretty well up the stem. A little rootlet grows from each blossom down into the ground and there the nut grows. By pressing the stems to the ground these roots can grow directly into the ground and form nuts at once instead of growing a long root, and as in the case of late blossoms, never bearing at all.

There is a good market for Spanish peanuts after you once get your prospective customers to try them, but don't try to sell mud-caked, half dried ones. If wanted for roasting the ideal way to harvest them is to pull them up after a frost and pull off the mature nuts as you take up the vines. Wash the nuts in a tub until free from dirt and dry on a floor or frames covered with netting or burlap. If spread out thinly in the sunlight, the nuts will be as white as those in the markets and there will be no spoiled ones. In writing about the Spanish peanut, Prof. Cottrell omitted one important use to which it may be put. The Spanish peanut is the variety used in making "salted" peanuts and it is also used in the best nut candies. It is much superior to the common large variety for these purposes.

Most of the nuts can be pulled off by bunching the stems together in one hand, grasping the nuts in the other and giving a twisting motion downward. The hay seems to be as good for all stock as alfalfa. If the crop is wanted for hay the vines should be cut before heavy frosts and

days. The steers were 3 and 4 years old, native, and dehorned.

Before weighing them in to us these steers had been on pasture for six weeks and in addition had from 3 to 4 1/2 pounds of cottonseed cake per day. When we put them in our feedlot they were fed for 12 days on shock corn, snapped corn and alfalfa hay. Then we began feeding corn chop ground from new corn which the Alexander mill furnished us daily. By getting it fresh ground every day the chop did not heat or sour. We had to be very careful about this. They had three feeds a day of the chop, cottonseed meal and alfalfa hay, but no more than they would clean up by 8 or 9 o'clock each morning. We kept the tanks well filled with fresh water all the time.

These cattle were handled and petted and did not know what it was to be afraid of anyone. At the end of 72 days' feeding, 64 of the fattest were shipped to Kansas City and the remaining 60 head were fed 20 days longer. For this period the rations were changed slightly, decreasing the cottonseed meal and increasing the alfalfa and chop. In this change we could see no real advantage. The following table tells the whole story of our feeding operations:

Av. daily feed, lbs.	Steers fed.	Number days	Lbs. feed consumed
26.3 chop	124	72	198,281
8.56 c'tns'd meal	124	43	19,000
16.4 alfalfa hay	60	73	150,000
27.4 chop	60	20	21,270
8.56 c'tns'd meal	60	20	3,000
20.8 alfalfa hay	60	20	25,000

TOTAL EXPENSE.

124 steers, av. 1,174 lbs., at \$6.30	\$ 9,904.82
219,551 lbs. chop	2,421.71
21,800 lbs. cottonseed meal	298.00
88 1/2 tons alfalfa hay	825.00

RECEIPTS.

Steers sold	Average	Price	
64	1,401	\$9.25	\$ 8,292.92
60	1,430	8.60	7,378.80

\$15,672.72

Expenses 13,449.54

Net returns \$ 2,223.18

One of the noticeable facts all through this feed test was that whenever we could get the steers to eat more alfalfa, they would also eat more chop, and therefore would make more gains. The average gain per head per day during the full feeding period was 3 1/2 pounds.

Winfield, Kan. D. O. Wilson.

Other Ways of Killing Hedge

Mr. Editor—If my friend wants to kill out a hedge, let him first cut it close to the ground. When it sprouts in the spring, cut, or better still, knock off the sprouts with a dull ax. Do this in June and again in August. Repeat the treatment next year and the third year there will be no more sprouts. After the first sprouting they will begin to lose their vigor. I have just finished killing out a mile of hedge that way and know it will work. I learned the trick in Missouri where farmers have to kill their scrub timber the same way.

Wichita, Kan. H. B. Malone.

Mr. Editor—The easiest way I know of to kill a hedge is to cut it off close to the ground, then build a hog fence on either side, making a narrow lane with the row of stumps down the center. Turn in enough hogs to keep the sprouts all picked off and your hedge will be just about dead by the end of the first summer. This treatment not only kills the hedge but makes good pork as the young sprouts make good hog pasture.

Clay Center, Kan. D. S. Weir.

Milo Makes the Best of Bread

Mr. Editor—I come pleading for milo as a crop for the western farmer. It is a sure crop and more to be depended on than wheat. It will mature earlier than Kafir, has a richer grain, and will grow almost anywhere. It is good for horses, hogs, poultry and made into flour it will make fine waffles, biscuits, pancakes, gems, and bread. I know what I say is true and you have only to try it to be convinced. However, there must be something wrong somewhere because there is no better market for milo. Either millers will not grind it or people have not yet learned how to use it. I believe the farmers must solve these problems themselves for if we don't, no one else will.

Logan, Kan. Mrs. J. Bader.



Full fed steers on the Wilson farm near Winfield, Kan. These steers were fed corn chop, cottonseed meal, and alfalfa hay and realized for their owners a net profit of \$2,223.18 in less than 90 days. Sixty-four head were fed 72 days and the remaining 60 head were kept 20 days longer.

then turn the old ones out on brush and weeds and they will get fat.

Why would it not pay some wide-awake farmer to get a herd of sheep and simply pass them around the neighborhood, turning them on grassy and weedy fields where they could not damage crops? I would be glad to give them the use of my fields and furnish them with water and a lot for the night. If someone would start this I believe it would take but a short time until the people of a community would appreciate the value and need of sheep.

Back in Indiana we never thought of farming without a few sheep. When we began sheep raising the fleeces averaged 3 to 5 pounds each. But we bought three fine Southdowns for \$50 and soon had a fine herd that averaged 6 to 8 pounds per fleece, on the same feed the old herd had. So if you are going to start with sheep, get the best. I give this advice from experience.

R. 4, Eldorado, Kan. Z. Peffley.

Spanish Peanuts in Kansas

Mr. Editor—I have raised Spanish peanuts for several years without a failure, either in drouthy or wet seasons. It is not necessary to cover the blossoms as has often been stated.

However a crop of Spanish or other upright sorts can be increased by

then the leaves will hold on well. A light frost that kills tomato vines has no effect on peanut vines. Sometimes I have cut the vines and pulled up the stumps with nuts a week or so later. This seemed to hasten the maturing of late nuts. Nuts frozen before they are well dried will not grow and they do not have as good a flavor.

The only enemies of peanuts are mice, gophers, squirrels and sometimes moles. A mole may often work among the vines for a long time without eating any of the nuts.

A. K. Boyles.

Salina, Kan.

[A Kansas Beef-Making Story

Mr. Editor—The one thing that will keep Kansas farms from going bankrupt is keeping more stock so that every crop raised on the place may be fed at home, so far as possible, to build up the fertility of the soil. We are glad to see the many good articles along this line in the various agricultural papers of which the Mail and Breeze heads the list.

I want to give you a report of the feeding operations of Oscar Magnuson and myself, and you may decide for yourself where the most money is to be made—in selling grain or in feeding livestock, not considering the increased value of the land due to increased fertility. We full fed 124 steers, 64 of them for 72 days and the rest for 92

FROM FACTORY TO FEET

THE BIGGEST SHOE BARGAIN OF ALL!
Without any Wholesalers, Jobbers or Retailer's Profits Added We Offer You These Strong \$2.00 Shoes for

\$1.55 PAIR.
TAN MULESKIN OUTING SHOES.
ELKSKIN SOLES.



WIDE WIDTHS.
Shipping Weight: Men's 4 1/2 oz. Boys' 3 1/2 oz.

GOOD WEAR GUARANTEED IN EVERY PAIR
The most practical low-priced shoe made, especially for farmers, railroad men, carpenters, stone masons and all laboring men. These shoes are made of unlined chrome-tanned muleskin—a very soft, pliable leather, with pappy surface. Have elkskin soles and insoles, leather heels, bellows tongue, and solid leather counters. Most durable lightweight shoes obtainable. Dark tan color only. Order direct from this advertisement, by these numbers:

224886—Men's Sizes, 6 to 12, Pair.....\$1.55
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C. O. D. If you prefer, send 50c deposit for each pair (these pairs are ordered) and we will forward shoes for examination. If you don't find them the best shoes for the money you ever bought, return them and get your money; otherwise, keep shoes and pay balance. Send for FREE WEARING showing full line of men's, women's and child-apparel for the whole family. Don't buy elsewhere—send for this FREE Catalog. We are "THE GREAT WEARING APPAREL MALL—ORDER HOUSE OF THE WEST" that saves you money.

JONES, POST & CO.
942 Liberty St., Kansas City, Mo.

A Farmers' Office?

THIS ISN'T a giraffe story. There is such a thing as a farm office, but it hasn't as yet become a subject for discussion in farm papers along with crops and livestock.

In going through each morning's mail the editor of the Mail and Breeze comes across quite a number of typewritten letters from Mail and Breeze readers. Evidently the typewriter, like other kinds of modern machinery, is finding and filling a place on the farms of many progressive men.

This leads to an interesting series of questions:

(1) Is other office equipment, as well as typewriters, doing duty on farms in Mail and Breeze territory?

(2) Will the introduction of office conveniences be of help in enabling a man who is farming to increase his profits?



Second Prize.

like to have your assistance in the inquiry for the reasons given. The value of the inducements offered indicate how welcome it will be. The questions need not be answered categorically. They merely indicate the nature of the information wanted.

For the best letter on the general subject as outlined in the questions the Mail and Breeze will give as—

First prize—A new Smith Premier typewriter of the very latest model and make, which has a cash value of \$100.

Second prize—A roll top desk, suitable for the needs of a farm office.

Third prize—A two-drawer vertical filing cabinet in which may be kept letters, catalogues and bulletins needed in conducting the business of the farm.

Fourth prize—A two-drawer card filing cabinet for keeping cards showing the costs of certain crops, the returns from various fields and sales of livestock, the pedigrees of the breeding animals on the farm and other details for which a permanent memorandum is needed.

Conditions of the Contest

It is conditional of this contest—

(1) That persons participating be more than 21 years of age and actively engaged in farming, either as the owner, renter, farm manager or farmer's son, wife or daughter.

(2) That the letter be neatly written, be not more than 500 words in length and that it be mailed to the Mail and Breeze office not later than March 24, marked "Typewriter."

It is suggested that the facts contained in each letter be based upon the writer's own or some other farmer's experience so far as possible, although if you have had no experience, but can see where such office conveniences and a farm office would help you, a letter about that will do.



Fourth Prize.



First Prize.

(3) Would it be well for a farmer to have a room or corner of a room for a farm office?

(4) If so what office conveniences that you know of will be of help to him?

(5) Will preserving his correspondence, keeping copies of the letters he writes, using the typewriter when he writes letters, be of value to him in securing the confidence and attention of persons with whom he may deal, besides helping him to keep track of farm matters at home?

(6) Do you know of, or have you heard of any farmer who has an office, or who uses modern business conveniences and methods?

This is not a whim of the Mail and Breeze. For sometime the Mail and Breeze has believed an inquiry of this sort among its readers would bring some interesting facts to light and it would



Third Prize.



No. 6 COLUMBIA IGNITOR DRY CELL

Would you hire a lazy man? No, you want a worker.

PATENTED COLUMBIA BATTERIES are honest, hard workers. Don't accept any other. You deserve COLUMBIAS and will get them if you insist.

Cost No More; Last Longer

For sale by all good dealers

National Carbon Co.
Cleveland, Ohio
Factories in U. S. and Canada
Fahnestock Connections without extra charge.

Know You're Right
Weigh your grain, stock and coal yourself and know positively you're getting a square deal.



The McDonald Pitless Scale weighs accurately every day in the year. Protected bearings cannot freeze. No pit required—everything above ground. Steel frame—steel joists—10 year guarantee. U. S. Standard. Used for weighing U. S. Mails. Flying Dutchman Dealers sell them. **FREE BOOKLET.** Write today.

MOLINE PLOW CO.
Dept. 15 MOLINE, ILL.

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 Larimer St., Denver, Colorado
Our new catalogue sent free.

The Celebrated Mueller Saddle.

A Book On Soil Improvement.

No one phase of agriculture is receiving more attention at this time than the conserving and improving of the soil for on this one factor depends the future of farming. The East is more concerned over this fact than the West and is giving more attention to the question. One of the best publications on this subject, recently put out is by Prof. Alva Agee, head of agricultural extension and acting director of the Pennsylvania

Agricultural college. The book is published by The MacMillan company, 66 Fifth Avenue and may be had from the publishers at \$1.50 net. The title of the book is "Crops and Methods for Soil Improvement".

Pure air, pure water and pure food, as well as thorough cleanliness, are all essential to the chicken's health. The fowl's power to resist disease is due to these.

One More Good Chance Left

PROBABLY there will be one more good chance between now and spring to burn out the chinch bugs—after which we shall have to let nature take its course.

This is to ask every reader of the Mail and Breeze to make a final and a determined effort at the moment that chance comes to take the utmost advantage of it.

Whether you do this or not, and whether you think so or not, the results of the coming crop season will largely depend on your action, or inaction; for taken collectively the Kansas readers of the Mail and Breeze are so numerous they have the well-being of the state in their hands, both agriculturally, and industrially and commercially.

Let everyone lend a hand by burning over his own bunch grass and weed patches, his fence corners and roadsides. Will readers who have already done this tell of any handy way or "knack", they have learned to do such a job and let the Mail and Breeze print it for the benefit of the others?

GUARANTEED MIXED PAINT \$1.15 A GALLON

WE PAY THE FREIGHT

Direct from the Manufacturer A Wonderful Paint Offer

If any of your buildings need painting, write at once for our free paint sample offer. We sell the best ready mixed paint in the world at lowest prices ever heard of—65¢ a gallon for the best Barn Paint, \$1.15 a gallon for the finest House Paint in quantities. We pay the freight charges.

Guaranteed For Ten Years
We furnish full directions how to do any job and just now we are making a surprisingly liberal offer. Write at once and get this great paint offer, free shade samples, strong testimonials and valuable paint information. Just say "Send me your latest paint offer." Address **CROSBY-FRANK & CO., 572 Peoria St., Chicago, Ill.**

COME to See Me at Waterloo!

Galloway wants you as his guest at Waterloo—COME Jump on the train and come quick—spend at least a day or two—stay a week if you like—through the great Galloway Factories and see for yourself how why Galloway saves his Farmers Friends big money on the best Engines, Manure Spreaders and Cream Separators.

I Will Entertain You at the Agricultural Club

Everything free—no expense. From the moment you get off the car at Galloway Station I foot the bills—you're visiting me. Stop at the \$60,000 Agricultural Club built for the Farmers. Splendid meals; music; plenty of good company—over 500 of my farmer friends here last week.

No Obligation to Buy!

Just come and look around—enjoy yourself to the limit—but remember you're under no obligation to buy any Galloway goods—not the slightest. I'll show you the finest chain of factories you ever saw, explain everything—give you my lowest special factory-to-farm, one-time profit prices. If you see a big bargain and want it, it's right—if not, all right. Just suit yourself!

If You Can't Come to See Me Now, Write Any Way!

Wm. Galloway, Pres. Wm. Galloway Co.
20C Galloway Station, Waterloo, Iowa

PULL OUT THE STUMPS!

The HERCULES-

All Steel Triple Power Stump Puller pulls an acre of stumps a day—increases the value of your land 100%. Makes room for money crops. Guaranteed for 5 years against breakage from any cause. Send name for fine free book, 30 days free trial offer and special low-price proposition.

HERCULES MFG. CO.
928 21st Street, Centerville, Ia., U.S.A.

Milne's Stump and Tree Puller

clears a two-acre circle with one sitting—pulls stumps, green trees and hedges quick and easy. You can pull trees faster than you can cut them down, leaving the land clear for cultivation.

All Steel Combination Stump Puller
Unbreakable—handy—rapid—powerful. The only machine on the market that can be set either stump-anchored or self-anchored. Double, Triple and Quadruple Attachments. Also Rotary Power Attachment for sawing, grinding, etc. Write for free catalogue.

MILNE MFG. CO., 1037 Ninth St., Monmouth, Ill.

THIS THIN MODEL 20 WATCH \$2.95

Highly finished with beautiful engraved gold finished case, stem set, steel with finely finished ruby jewel movement, guaranteed a neat timekeeper, with long gold finished chain for Ladies or vest chain for Men.

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HUNTING CASE
Let us send in C.O.D. for examination at your nearest express office. If you like it in a bargain and equal in appearance to any \$10.00 gold finished watch express agent our special sale price \$2.95 and express charges, and it is yours. If you send \$2.95 with order we will send by insured parcel post. Address: **MUTUAL SALES CO., 113, 306 W. Madison St., Chicago, 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 reasonable and likely to help some of us who may need the information. Your letters are always welcome. Subscriptions to Farmers Mail and Breeze or other good publications for best letters received. Address Editor Farmers Mail and Breeze, Topeka, Kan.

Fine, steady weather with a winter tang seems just as good for the farm stock as the warmer weather we had last month. It is the lack of mud that makes stock do so well.

Those who live in sandy countries do not have the mud to contend with that we do in this part of the state. There are many things in favor of both kinds of soil; we have lived almost half of the last 30 years on sandy soil and the other half on the prairie loam soil of eastern Kansas.

On the whole, we rather think we prefer mud to sand that blows. The genuine black sand that does not blow much makes the best of soil but that kind of sand is not too plentiful. One drawback to a sandy country is that the feed blows full of sand and when it is pitched on the wagon, it rattles down your back.

While living in Nebraska we had a neighbor who had moved there from Iowa. He had a very sandy farm and his hog lot was almost knee deep in loose sand. Although he fed his hogs well they did not seem to gain and he laid it to the sand. He said that hogs did best on loam or clay soil; that sand was bad for them. We wonder if there is anything to this theory!

We have put in the larger part of this week getting up wood. The creek on this farm runs diagonally across it and the total distance of its course is three-quarters of a mile. Along this course there is timber of a number of different kinds. During the last two years many trees and saplings have died and it is these we have been working up for wood. We did not cut any live tim-

AS TO FLAVOUR Found Her Favorite Again.

A bright young lady tells how she came to be acutely sensitive as to the taste of coffee:

"My health had been very poor for several years," she says. "I loved coffee and drank it for breakfast, but only learned by accident, as it were, that it was the cause of the constant, dreadful headaches from which I suffered every day, and of the nervousness that drove sleep from my pillow, and so deranged my stomach that everything I ate gave me acute pain. (Tea is just as injurious, because it contains *caffeine*, the same drug found in coffee.)"

"My condition finally got so serious that I was advised by my doctor to go to a hospital. There they gave me what I supposed was coffee, and I thought it was the best I ever drank, but I have since learned it was Postum. I gained rapidly and came home in four weeks. "Somehow the coffee we used at home didn't taste right when I got back. I tried various kinds, but none tasted as good as that I drank in the hospital, and all brought back the dreadful headaches and the 'sick-all-over' feeling."

"One day I got a package of Postum, and the first taste of it I took, I said 'that's the good coffee we had in the hospital!' I have drank it ever since, and eat Grape-Nuts for my breakfast. I have no more headaches, and feel better than I have for years." Name given upon request. Read the famous little book, "The Road to Wellville," in pkgs. "There's a reason."

Postum now comes in concentrated, powder form, called Instant Postum. It is prepared by stirring a level teaspoonful in a cup of hot water, adding sugar to taste, and enough cream to bring the color to golden brown.

Instant Postum is convenient; there's no waste; and the flavour is always uniform. Sold by grocers—45 to 50-cup tin 30 cts., 90 to 100-cup tin 50 cts.

A 5-cup trial tin mailed for grocer's name and 2-cent stamp for postage. Postum Cereal Co., Ltd., Battle Creek, Mich.

ber, as we would rather see it growing than to burn it.

We have counted 12 different varieties of timber along the creek on this farm but black walnut, elm and ash are in the majority. There are a good many Honey locusts, some coffee beans, hackberries, red buds, black cherries, mulberries and once in a while a willow but there is not a cottonwood on the creek. The dead timber was practically all locust and elm. Both died from the ravages of the borers; the Honey locust especially, is sooner or later sure to be killed by them.

When the country was first settled the creek on this farm was lined with a heavy growth of timber, so old settlers tell us. This was all cut off and everything in the timber line growing there now has come up within the last 40 years. We have cut down many trees and counted the rings and have yet to find a single one 40 years old. The original growth consisted in great part of black walnut, some of which had reached a large size. It seems a pity that these trees had to be cut for firewood but the early settlers in this part of Kansas did not have to burn hay; they had something better, growing on speculator's land.

We have been burning Colorado coal this winter for the first time since living in Kansas. It cost \$7.50 per ton compared with southern Kansas coal at \$4.50 and McAlester coal at \$6.50. Of the three the Kansas coal is the cheapest so far as heat is concerned but either of the other two are more pleasant to burn. On the whole, we think we shall buy McAlester next year. It is just as good as the Colorado in every way and costs less. But as we said at first, the Kansas coal is really the cheapest if one does not care about smoke and dirt and does not object to carrying out half as much ashes as he brings in coal.

Traders at the big packing markets have preached all fall and winter that farmers were holding back hogs to make them weigh heavy. They based their claims on the fact that hogs were close to \$7 in country markets while corn was about 45 cents. From this they reasoned that it would pay to make hogs heavy and that the farmers would do so. But it seems that they are not doing it. If the hogs that go from this section are anything to judge by, the bulk of the hogs are going to market weighing about 225 pounds. Packers have been preaching all winter that hogs were too high and farmers had an idea they would break the price if half a chance offered so they sold their hogs when they reached the weight that would bring the highest price.

A young man went from this county to Canada a few years ago to farm. He came back last fall with a little more than \$2,000 in money in his pocket. At a fire in town he lost this money and it is not known for certain whether it was burned or whether it was picked up. But this incident brought up the question, the other day, as to what chance a man had of getting lost money restored. A banker, who has had a good deal of experience with human nature, said that there was just about one chance in five of the loser getting his money returned. If this young man who lost the \$2,000 did not have it burned up, it is too bad that the fifth man did not pick it up. On the other hand, we think any man very unwise to carry any amount of money in his pocket. To pay by check is both the safest and most convenient way.

Letters published recently in a Kansas City daily show that city folks have a wrong idea of the tax on oleo. They were demanding that the tax of 10 cents per pound be taken off

so that the oleo could be bought cheaper. They did not seem to understand that this 10-cent tax is placed only on oleo that is colored to represent butter. On oleo that is not colored there is a tax of only 1/4 of 1 cent per pound. Should the tax on colored oleo be taken off, city folks would find oleo would cost them more instead of less for it would then in a majority of cases be sold for butter. To take off this tax would benefit only one person—the man who makes the oleo.

Prairie hay is now selling at the low figure of the year and for that matter, for a number of years. A neighbor was recently offered less than \$6 per ton for baled hay on the car; he would not take this and shipped it himself. It sold on the Kansas City market for \$9.50 per ton, making a clear profit of about \$2 per ton for shipping. At a farm sale this last week we saw good baled hay sold for 21 cents per bale and the bales were guaranteed to weigh an average of 75 pounds each. But this hay was eight miles from the nearest railroad shipping point so that the hauling added to freight and commission would make the hay seem high enough to the city buyer after all. There is still a very large amount of baled hay stored in this section and advices from commission men do not hold out much hope of an advance in the market for some time.

Let us suppose that a man gets \$9.50 per ton for his hay in Kansas City, which is a fair average price for the general run of prairie hay at this time. He will pay out of this something like \$2.25 for freight and commission, \$1.50 for baling. Hauling will in most cases be worth \$1.50, which leaves him only about \$4 for putting up the hay and the rent of the land. But this year is low watermark in the hay business as last year was the high one. By taking the two years together we get a good average price for both rent of land and work connected with putting up the hay. The best thing about the prairie hay crop is that it is sure and that the price in poor crop years makes up for loss of bulk. On the whole, it is better to cut the hay off each year than it is to pasture the land for there is less liability of killing out the prairie sod.

An inquiry has just come to hand from a reader who is going to build a lot of fence this year, using woven fencing for the most part. He asks regarding certain kinds, saying, that he has been informed that a certain kind of welded fence is not satisfactory. This agrees with our experience. For both field and stockyard fence we prefer the American pattern with hinge joint. For hogs we should never get anything less than the 6-inch mesh but for cattle and horses the 12-inch does very well. Above all woven fence there should be placed a barb wire to keep stock from riding it down.

"ARKANSAS."

Arkansas is at the present and will no doubt forever remain the brightest jewel in the crown of Southern states. The population according to the recent government census has shown a remarkable increase. Arkansas conservatively estimated, is about one-third developed from an agricultural standpoint. While her forests contain more rare and valuable timbers than any of the other Southern states; realty values are lower, and cost of living is less than anywhere else on the American continent for the reason that everything necessary for the existence of man is produced within her borders. The tide of immigration is headed toward Arkansas. Realty dealers are reporting large sales of both improved and unimproved farm lands. Buy while the prices are low. We refer you to the real estate bargain pages or other pages of this issue. Look over the many bargains and write them your wants, always mention this paper when you write.

Kansas' Best Farm Paper

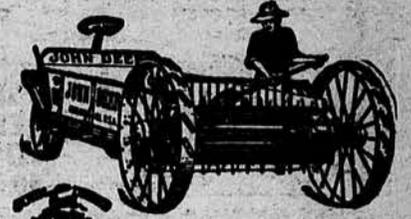
Mr. Editor—Success to your good paper. Do not know how to get along without it. It's the best farm paper in the state, and I think in the United States. Great success to you. I enjoy McNeal's comments.

Roos, Kan.

M. Archibald.

John Deere Spreader

The Spreader with the Beater on the Axle



Take any manure spreader you have ever seen, remove all the clutches and chains, all the countershafts and stub axles, do away with all adjustments and mount the beater on the rear axle. Rebuild the spreader so that the top of the box is only as high as your hips. Make it stronger. Remove some two hundred trouble-giving parts and throw them away. You will have some sort of an idea of what the John Deere Spreader, the Spreader with the Beater on the Axle, is like.

The Beater on the Axle

The beater and all its driving parts are mounted on the rear axle. This construction is patented. You cannot get it on any other spreader made.

Power to drive the beater is taken from the rear axle through a planetary transmission (like that on automobiles). It is positive, runs in oil, and does not get out of order.

Few Working Parts

The John Deere Spreader is so simple that there are no adjustments. It has some two hundred less parts than the simplest spreader heretofore made.

There are no clutches to throw it into gear. The lever at the driver's right is moved back until the finger, or dog, engages a large stop at the rear of the machine. All the chains and adjustments have been done away with.



Out of Gear

Only "Hip-High"

Because the beater is mounted on the rear axle, it is only "hip-high", to the top of the box. Each forkful of manure is put just where it is needed. You can always see into the spreader.

Roller bearings, few working parts; the center of the load comparatively near the horses, and the weight distributed over four wheels, make the John Deere Spreader light draft.

Spreader Book Free—Tells about manure when and how to use it, how to store it, and a description of the John Deere Spreader. Ask for this book as Package No. Y 12

John Deere Plow Co.
Moline, Illinois

\$10 A DAY EASY —and Your **SAMPLE SUIT FREE**

If we send you a sample suit tailor-made to your own measurements and let you pay for it out of your profit on the first few orders you take, will you act as our local agent? Will you accept a steady position that will pay from \$8 to \$10 a day—every day? Send no money.

Be Our BRANCH MANAGER

We want you and must have you dressed better than anybody else. Many making \$40 to \$200 a week. It's easy. You can do it. Your friends will want suit like yours. Latest cut made-to-measure sample suit will be sent you. Choice of hundreds of models, all kinds of goods—samples show you just what you and your friends want—FREE. No experience necessary. No capital. We back you every way in your exclusive territory. Everything FREE. Write quick.

RELIABLE TAILORING COMPANY
392 S. Peoria St., Chicago, Ill.



2 of 50 Styles

the GATES
WITH A
"LIFT"
PEERLESS



SELF-RAISING GATES

are easy to put up and once up you have a gate for a life time. You don't have to replace a Peerless every few years. The extra heavy high carbon steel frames and all the No. 9 close mesh filling stand the racket.

The Heavy Coat of Galvanizing prevents rust, preserves the steel and looks better than paint. You would not buy painted fence wire—why buy a painted gate?

Ask for our big fence and gate catalog which fully describes this new Gate.

Peerless Wire Fence Co.
271 Mich St. Adrian, Mich.

Get It From
the Factory
Direct



KITZELMAN FENCE

Made from thoroughly Galvanized Open Hearth steel wire. Our Free Catalog shows 100 styles and heights of log, farm and poultry fence at from

12 cents a Rod Up

Sold on 30 days free trial. If not satisfied return it at our expense and we will refund your money. 30-rod spool of Ideal Galvanized **BARBED WIRE \$1.55**

Write today for large Free Catalogue.
KITZELMAN BROS. Box 52 Wanda, Indiana.

Do You Want This Steel Gate FREE



One farmer in each community can get one for helping us introduce Tro Jan Gates to his neighbors. Write for particulars.

The Best Steel Gate in the World

High carbon steel frame. All No. 9 galvanized wire mesh. Special hinges. Patented self-locking latch. Steel center frame. Unbreakable. Hinges at either end. Sold on 3 years' trial at our special direct-to-you factory price of \$4.95.

W. K. VOORHEES, Mgr. Standard Mfg. Co.
608 Main St. Cedar Falls, Iowa

BROWN FENCE

For all purposes. Direct from factory, freight prepaid.

Bargain Prices—13c per rod up

Get our new fence book before you buy fence for Horses, Cattle, Sheep, Hogs, Poultry, Etc.

Also Lawn Fence and Gates

We save you 1/2 cent for every rod you buy. Quality. Guaranteed new for Big Fence Book.

Dec. 15 THE BROWN FENCE & WIRE CO., CLEVELAND, OHIO

STRONGEST FENCE MADE FROM FACTORY DIRECT TO FARM

24-inch Hog Fence	14c
41-inch Farm Fence	21c
48-inch Poultry Fence	22 1/2c
30-rod spool Barb Wire	\$1.55

Many styles and heights. Our large Free Catalogue contains fence information you should have.

COILED SPRING FENCE CO. Box 258 Winchester, Ind.

Old Reliable Four-Burr Mills

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Pure Seed Bill Was Killed
May Get the Law if Farmers Write

THE STATEMENT in last week's Mail and Breeze that a Kansas Pure Seed Law was certain seems to have been grossly exaggerated. The pure seed bill is dead so far as the house is concerned and will probably stay so unless the farmers of Kansas indicate promptly that they wish it resurrected.

The day the Mail and Breeze was sent to press, the Ways and Means committee of the house (11 members out of 17 being present) killed the bill of Representative Burtis of Wilson county, by the narrow margin of 6 to 5. This bill is one of such general importance to Kansas agricultural interests that the attention of the state should be called to the situation. It is important that farmers and merchants bring pressure

are marked "Unclean Seed". This gives the farmer a chance to dispose of his seed without analyzing it so long as it does not contain the six "forbidden weeds" above mentioned. The act further provides for the appointment of a seed commissioner by the director of the Experiment station at Manhattan and the maintenance of a laboratory at the Agricultural college for the analysis and testing of seeds for the people of the state free of charge.

It is perfectly clear to anyone who knows the situation that Kansas needs a protective seed law. Fifteen other states have seed laws, and it will not be five years before every decent agricultural state in the country will have one. Kansas should not be a laggard in

Does Kansas Need a Seed Law?

Editor Mail and Breeze:

In regard to Johnson grass, Mail and Breeze, page 36, February 1, 1913: I would say that we have it and (like my bald head) I would like to get rid of it.

It was sown on the sand hills. It did not come up there but did come up on the very best ground we had. In the lots where we had fed cattle and plowed up, and in the timber, "it does fine." It stands plenty of cultivating and mowing. It will make three crops of hay per year.

I think I have it killed in the orchard. I plowed it up and turned stock hogs on it. Two years ago last season there was nothing to mow but a few weeds. I have one field very badly seeded which I will plow at once and sow to oats, follow with sowed feed or rye for pasture and turn hogs in next winter. Maybe that will help get rid of it. Listing corn or Kafir and keeping it well cultivated between rows helps to kill it out. Then I use a Deering corn binder which gathers up all short stuff, and makes a clean field, and the cattle will eat everything except the stalks. I hold a bundle in left hand, cut the twine with right hand and it drops off the feed-wagon loose. The cattle come along and eat it up so clean you could hardly tell what had been fed on the ground. In bundles not cut they eat the heads and leave a butt to fall over. I feed this on plowed ground to be turned under. I don't find any bad effects of feeding this way.

I watch every article on Johnson grass. I am interested. We have 800 acres here—400 pasture and 400 improved.

—CHARLES H. WISNER.

Sharon, Barber county, Kansas, February 3, 1913.

to bear upon their representatives to get the bill reconsidered and favorably recommended to the house.

It is a carefully drawn measure that forbids the sale of agricultural seeds, grasses or forage seeds containing the seeds of such weeds as Johnson-grass, quack-grass, bindweed, dodder, Canada thistle and sow thistle in amounts greater than 1 seed in 10,000. It specifies in addition a list of noxious weeds such as crabgrass, foxtail, dock, Russian thistle, field mustard, buckhorn, which are forbidden in amounts greater than 2 per cent in agricultural seed.

But the act further provides that persons may sell seed containing the so-called "noxious weeds" provided they

such a matter. To check the constant importation and selling of agricultural seed containing the seeds of noxious weeds has become a recognized necessity. The people of Kansas are spending 6 million dollars a year for the purchase of seeds to be sown, not counting the seed raised on the home farm. A very great waste and loss are involved in this expenditure, due to the sowing of seeds that result in a poor stand of the crop sown, and in inoculating the ground with weed abominations that have to be eradicated, with subsequent expense and labor, and damage to the land. It is plain that an up-to-date agricultural state cannot afford to be behind in pure seed legislation.

Clear Out of Farm Agents
The "Adviser" Situation in Kansas

BY J. H. MILLER
Director College Extension, Manhattan, Kan.

MR EDITOR—A STATE senator told me the other day that he did not propose to have any scientific farmer come to his farm and tell him how to farm.

It seems to me if men like TenEyek, Jardine, Call, Reed, Cochel, Wheeler, Neale and others of the Agricultural college have nothing to offer to a clear-headed farmer who has not had an education in scientific agriculture then the Agricultural college should be abandoned, the experiment station lands sold.

This same senator said he had no objection to going to an institute and hearing these men talk but he did not want them to come on his farm. To be consistent if a member of his family were

sick he would go to town and hire the physician to give a medical lecture but he would not allow him to come into his house.

The United States government and the state of Kansas have spent many millions of dollars in educating young men in scientific agriculture. If scientific agriculture has no practical value on a Kansas farm, if nothing has been learned or taught that has a dollar value, then this tremendous tax should be stopped at once.

Mr. Miller Can't Understand It.

I confess I can't understand the workings of a man's mind who will consent to listen to a lecture by such a man

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A great sight! Worth traveling many miles to see. I will show you through an enormous chain of factories—largest in the world selling direct to farmers—hundreds of men turning out a flood of Engines, Spreaders and Cream Separators which only a few years ago was a cornfield on the edge of Waterloo. Don't miss this!

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Now, don't disappoint me. I'll look for you and will make your visit a big surprise. You'll go back and tell your friends: "I never had such a fine vacation." If you can't come just now, write me why.

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as Prof. Call and not want him to come to his farm and study the soil on that farm; to listen to a lecture by Prof. Wheeler on stock breeding and not want him to visit his herd and point out possible mistakes in breeding and feeding.

At scores of institutes I have had men say to me, "That may be very well at Manhattan but it won't work in this county." Then for Heaven's sake why object when the college suggests a plan of sending one good man to a county to study actual soil and crop conditions week by week and month by month?

One man says, "You ought to be in this county when we have weeks of rain" and then "roars" when we offer to send a man there to study wet and acid soils.

Another says, "You ought to be here when it blows and tell us then how to stop it," and then "howls" about expense when the college offers to send a man to live in that county and help the farmers solve their many problems.

Who'll Pay the Tax?

But the tax! Well, who should pay the tax or the expense of helping to solve the problems of a particular county? Should the state pay it all? Would that be fair? The United States government offers to a limited number of counties \$500 a year and according to the plan proposed by the college 100 farmers must pay \$500 a year. It would seem to be but fair that the county as a whole might pay \$1,000 a year. The remainder of salary and expense would be subscribed by public spirited citizens. These 100 farmers would represent ev-

ery township, and no two farms adjoining, and would thus serve as demonstration farms for all the neighborhood where farmers could meet at the monthly visit of the county agent. Each of these farmers will be requested to grow seed plots of the various farm crops and thus grow pure seed for everybody in the county. No experiments would be tried, nothing done that the county agent representing the college, would not think likely to pay a profit. He would be able to discover the best farmers in the county and carry reports of their successes to all parts of the county. He could be a regular marketing agent of young breeding stock from cattle to poultry.

Clear Out of Farm Agents.

We are not going to spend any more time in arguing about the matter. Leavenworth county has a man at work; Harvey and Montgomery counties have the funds raised and waiting for us to find them men; Cowley, Allen, Miami, Lyon and Johnson counties have decided to have "county agents" and their committees are at work securing demonstration farmers and funds and we will not be able to supply men for any more counties until July or August. In fact we are not certain of finding enough men for all of the above counties. Therefore the friends who have been "viewing with alarm," scared for fear a college man might presume to step on their farms may rest in peace. Our only difficulty from now on will be to find suitable men for the counties wanting them. We shall now organize no other counties until after June 1.

**Profit in a Timber Lot
Every Farm Ought to Have One**

BY J. MONCRIEF, Winfield, Kan.,
Written for Farmers Mail and Breeze.

I warrant that if I should tell you the whole truth of the actual profits in growing genuine Speciosa catalpa you could hardly be made to believe it all, regardless of the unimpeachable evidence, which I should offer.

About 20 years ago, the agricultural department of these United States began urging American farmers to begin a systematic planting of their future timber supply. Speciosa catalpa was one of the varieties specially recommended—and practically every farmer who intelligently followed that advice made five-fold the profit he could have made on the same acreage from any other farming pursuit. I have yet to learn of a single planter of the pure Speciosa catalpa who did not become an enthusiast and many made fortunes with small investments.

I give you my word—I do not know of any other crop that you can grow that will net you a surer or bigger profit on your investment and time—than Speciosa catalpa. If 20 years ago you had planted 80 acres of Speciosa catalpa it is safe to say it would have been worth a small fortune today.

Listen now carefully—Speciosa catalpa—genuine Speciosa catalpa, planted on good soil, properly cultivated and cared

for, will produce an average of \$75 an acre per year. It has done this—is doing it now. Speciosa catalpa is not ordinary timber—it's extraordinary. It is the only hardwood variety that grows as fast or faster than soft wood. It averages an inch per year in growth and exceptional specimens show as much as 2 inches per year. It is the only variety of early maturing wood that has all the useful qualities of other hardwood—such as strength, endurance and finishing texture. And yet it will make more growth in one year than any other hardwood known will make in three or five.

If you will plant your rows 8 feet apart and your baby catalpa trees 3 1/2 feet part in the row, you will have 1,555 trees on 1 acre. At the end of the sixth year you may remove every other tree, which will give you 775 splendid 4-inch to 6-inch fence posts 6 to 8 feet long—besides as many nice poles of smaller diameter 8 to 10 or 12 feet in length. Now your remaining timber forest will stand 7 by 8 feet—the trees from now on will need this extra room. In four more years you can cut 500 8 to 10-inch poles 18 to 20 feet long and 275 extra size fence posts, 6 to 8 feet, good length—and still have as before some

nice light poles which can be used upon any farm. Thus we have in our 10-year forest:

500 18 to 20 ft. poles @ \$1.....\$500
275 extra size corner posts @ 40c..... 110
775 4 to 6-inch posts @ 20c..... 155

Making a total per acre.....\$765

And we haven't counted perhaps 1,000 small posts and a lot of firewood. These estimates both in quantity and values are conservative. Many planters have secured greater returns. In quality these posts will be superior to oak, cedar or hickory.

I would not have you believe that Speciosa catalpa is fence post timber alone—it is strictly first class for fence posts, the longest lived timber that can be used for the purpose—but, it is just as valuable in sawed lumber for building purposes, furniture making, railway ties, telephone poles, cooperage, and practically every use calling for strong and lasting qualities. And where will you find a more beautiful wood, with its rich shades of brown, fine texture, and wonderful markings? I have finished my own office room in Speciosa catalpa, and it has been admired by everyone who looked at it. One enthusiastic architect from Minneapolis asked me if I could furnish this lumber at \$90 per thousand. In a book I have just issued on "Catalpa Farming" I have reproduced a photograph of one of the doors of this room.

A catalpa plantation is a permanent investment. When the first crop is cut the catalpa rapidly reproduces itself from the stump, thus a forest once planted becomes a perpetual source of income.

Every farm ought to have its own future timber supply, an acre or two, perhaps 5 to 20, so that we can supply a neighborhood or a local market. There is always a big demand in every neighborhood for good fence posts. And, there is no surer way to lay up a "nest egg" or a handsome bank account for old age, or for helping the boys and girls set up farming.

Catalpa growing is bound to become an immense business because:

First—we have to begin replenishing our forest supply.

Second—we cannot find any other timber so easily grown which will so fill all requirements.

Third—the splendid profits on time and investment.

Twenty years ago alfalfa was considered a weed and Red clover growers were hard to convince that there was more profit in it, but merit won out. Ten years from now American farmers will be fully awake to the wonders, both in practicability and in profits of pure Speciosa catalpa.

Mr. Gates Sold All His Seed

Evidently, readers of the Mail and Breeze think the seed used by C. M. Gates, of Fowler, Kan., had something to do with his winning the Top-Notch silver trophy for the best yield of Kafir in 1912. Many persons have written him for some and he was soon sold out. He asks to have this announcement made in the paper, in order that others will not waste time and postage. Moral, if you have seed to sell win a Top-notch cup. Six cups will be offered this year. There will be a wheat cup, a corn cup, a Kafir cup, an alfalfa cup (hay), an oats cup and a milo cup. The highest yield reported in each crop will be declared the cup-winner.

The Gates cup was a beautiful silver urn, about 8 inches high, on which was engraved: "Presented by Arthur Capper to C. M. Gates, Fowler, Kan., Member of Capper Top-Notch Farmer's club of Kafir in Kansas, 1912, An Average of 66 bu. 24 lbs. Per Acre."

"I received the cup and am very much pleased with it," writes Mr. Gates. "I am going to try for the best Kafir yield again this year. You might say in the Mail and Breeze that I have sold all my Kafir seed."

Welcome As a Letter From Home.

Mr. Editor—Enclosed find money order to push my subscription ahead to one of the best farm papers published, the good old Mail and Breeze. 'Tis like a letter from home.

T. H. Kitchen.
Manager, Cleveland Ridge Poultry Yards, Cleveland, Kan.



C. W. Delker's grove of Speciosa catalpa, in Stafford county, Kansas, after cutting. This 5-acre grove produced more than \$2,000 worth of timber in eight years.

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tough enough to fight the roads—elastic enough to absorb shocks—built in such a way as to prevent rim troubles.

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"Alfalfa—Wonder Crop," is the title of a new book just issued by us. It contains a fund of priceless information on alfalfa growing secured from many sources; United States Government, State Experiment Stations, the best posted authorities and successful growers. This information was secured at a great cost of time, money and research, and yet it is yours for the asking without cost. This book will convince you that your farm has some land on which you can grow alfalfa; it tells how to get results from the first planting, how to select the field and prepare the soil, including fertilizing, plowing, liming, and how to prepare the seed; when to plant, how to plant. It tells you what to do during the growing period, how to get bigger than average crops, and how to cut and cure. This book is worth many dollars to the farmer interested in growing alfalfa, but we gladly send it without cost or obligation of any kind if you answer at once. Don't put it off—write for free book today.

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ORCHARD & GARDEN

For the best letter each week, contributed to this page by a reader, we offer a year's subscription or extension of subscription to Farmers Mail and Breeze. We want your views and experiences. They will help others. Address contributions to Horticultural Editor Farmers Mail and Breeze.

The peach prophets are unable to agree this winter, which is usually the case.

A well kept garden is a joy for ever, because it can be made to yield good eating the year around.

In plowing potato ground it is a good plan to finish each day's work by harrowing what has been plowed.

It is not good policy to plow under old weeds in the garden. That simply plants the weed seeds. Better burn the trash and put on manure for fertilizer.

The New Year season is past but this is a good time to resolve to buy no vegetables in tin cans in 1913. Raise them in the garden, fresh, wholesome and cheap.

Alfalfa will usually do well in an orchard, but it is the hardest crop on fruit trees that you can grow. Clean culture until late summer is the best for the orchard.

The formalin treatment has been found very effective in keeping potatoes free from scab. Soak the whole seed for two hours in a solution of 1 pint of formalin to 25 gallons of water.

Grape vines on a well kept overhead trellis in the back yard improve the looks of the place wonderfully. Then there is the shade in summer and best of all, the delicious fruit.

When planting trees on the lawn it is well to consider the future and not plant trees too close together. Then there will be no need of lopping off limbs or having shade so dense that grass won't grow.

Want to Try Basket Willows?

The department of agriculture, Washington, D. C., is getting ready to fill requests for the basket willow cuttings grown last year on its experimental farm at Arlington, Va. Distribution of these cuttings takes place early in March each spring, to farmers and others who wish to make trials of basket willow on lands too wet for other crops. From 50 to 100 cuttings are given each person. It is required that each recipient of cuttings shall make a report of the treatment given and the results obtained. Several select varieties are included in each set that is distributed, and the aim is to secure information as to the best variety for each locality.

In the basket willow investigations carried on at Arlington Farm, Arlington, Va., and at Ames, Ia., by the forest service, particular attention has been given to the development of American species for basket-making. A system of selection which has been carried on for several years is already indicating which strains show the best basket willow characteristics for American conditions. The European species are as a rule less thrifty than the native species.

To Start Flowering Bulbs.

Mr. Editor—Bulbs are easily grown when the right conditions are provided. Secure some tulips, hyacinth, tuberoses, daffodils, narcissus, crocus, or snow-drop bulbs. Then get some tin cans. Punch the bottom full of holes and put in an inch layer of coarse gravel, pieces of coal, or broken crockery. If a flower pot is used put in the same layer of coarse material in the bottom. A good soil for this is to mix 1-3 leaf mould or well-rotted manure and 2-3 of soil. Bury the bulb so just the top sticks out and cover with a little layer of sand. Water and set away in the cellar. The roots will develop at a lower temperature than the top. In case they are kept at the ordinary room temperature the blossoms will start before the roots have grown large enough to supply the needed moisture and a stunted blossom results. Place in the cellar. A good

way is to set cans in a box containing a couple of inches of sand. Mice like the bulbs so guard against them. When the roots grow through the can and into this sand they can be brought up into the room, but keep in partial shade till the flower spike is well developed. If brought into the light at once the flower spike will not shoot high enough to show all the flowers.

W. R. Lanxon,
North Dakota Experiment Station.

Farm Gardens Save Much Expense.

(Prize Letter.)

Mr. Editor—I note your question in the last Mail and Breeze: "Will a family garden pay?" My judgment is that it can be made to pay 10 times as much as any other plot of ground on the farm in field crops. I give my garden a liberal coat of manure in the fall and plow it under. When spring comes the ground may be put into condition quickly and easily. I do not like the garden divided into beds as one sees in many gardens. I like to plant the seed in long rows so they may be tended with horse tools.

I do not bother to start tomatoes or cabbage plants in a hotbed or box behind the stove. I plant the seeds where I want the plants to grow, putting several seeds in a hill. When large enough thin down to the one best specimen and your plants will do better than when transplanted, and come to maturity just about as early as the others.

Plant plenty of different vegetable seed and make two or three plantings of some kinds to have a succession through the summer. Keep a sharp hoe and use it a little every day after the weed season opens up. Try some of these things and I am sure your wife will enjoy going to the garden with a basket to solve the dinner problem.

M. D. Crittenden,
South Haven, Kan.

Durable Gate for the Garden.

(Prize Suggestion.)

Mr. Editor—I will tell you how to put a pair of good hinges on your garden gate that will cost you nothing. Take the irons off an old pair of buggy shafts and two long bolts from old machinery, that will fit the eyes of the shaft irons, and bend the heads at right angles as shown. Straighten out the irons and bolt them to the gate frame, put the bolts through the gate post with nuts on the other side, and you have a garden gate that will last a long time.

Iola, Kan. G. A. Madison.

A Critical Time for the Bees.

(Prize Letter.)

Mr. Editor—As soon as the first sunny days of March arrive the bees begin preparations for the season's activity. The first sign of life in the hive is the spring house cleaning by the workers who carry out the dead bees and other accumulations of winter. About March 15 the bees come out on bright days and returning will be seen to have pellets of pollen sticking to their legs gathered from the earliest bloom on maple and elm trees. Next comes the locust bloom and then follow the fruit tree blossoms.

When this early pollen begins coming in the queen begins to lay and brood-rearing is soon under way. This period is a critical time in the hive as very often the winter stores have been used up before new food is available. The hives should be examined to make sure there is no danger of starvation. Beekeepers usually have a supply of comb honey on hand and if a colony is found short a frame of honey is placed in the hive to tide them over until new honey begins to come in. If these frames of honey are not available a thin sirup made of equal parts of sugar and water may be substituted and given late each evening to prevent robbing.

Rapid changes occur in the bee hive as the season progresses and the keeper of bees finds his occupation a pleasant and instructive one. It is most interesting to study their habits and their mysterious ways of conducting their households. This in turn acquaints you with the flora of your community. When you want to know anything about the flowers and their blossoming season, ask the beekeeper.

Galena, Kan. J. P. Brumfield.

SEEDS, eggs, incubators, etc. Free cat. H. M. Gardner (Seed Grower), Marengo, Neb.

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Mammoth Drouth Proof, Early Monroe, Sunflower, Hildreth, Hiawatha. Big yields, grown by me, successfully, in Central Kansas for past six years. Write for prices. A. E. WHITZEL, Farmer, STERLING, KAN.

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15 Budded Cherry Trees, 2 to 3 ft., \$1.
10 Apple Trees, assorted, 2 to 3 ft., \$1.
Free catalogue and 25c Due Bill on request. Benson-Omaha Nursery, Benson, Neb., Dept. 5.

BUY AT WHOLESALE Forty Fruit Trees \$5.00
100 Strawberry plants 75 cents. Charges prepaid. Send for further information and Catalog. Address, HOLSINGER BROS., Box 79, Rosedale, Kan.

FANCY SEED CORN
Boone County White, Reid's Yellow Dent and Hiawatha Yellow Dent. Catalogue free.
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What Shade Trees for Kansas

(Continued from Page 3.)

deciduous trees set out in dormant condition. Every leaf on the evergreen transpires moisture. During a windy period transpiration goes on much faster than the roots are able to supply moisture before the tree has become thoroughly established. Consequently the need of protecting a newly set evergreen from the wind. Empty boxes or barrels with the tops and bottoms knocked out set around the newly planted tree, and securely anchored, serve the purpose admirably, although unsightly for the time being. For smaller-sized trees one or two shingles or barrel staves driven in the ground a few inches from the tree on the south and southwest sides provide a wonderful protection.

Trees demand a porous soil with good drainage and yet capable of supplying an ample amount of moisture. The hole

keep an area at least 6 feet in diameter about the tree thoroughly spaded throughout the summer. This prevents weeds and grass from occupying the ground and getting the moisture intended for the tree. It also prevents the soil from baking and drying out through surface evaporation. For the good of the tree, cultivation should continue for at least two or three years.

The sole purpose of pruning a tree is to develop it into some desired form. This cannot be accomplished in one or two operations, but must be brought about gradually. The ideal form must be kept in mind and each year or oftener the objectionable limbs should be removed. This should be done while the limbs are small, not to make unsightly wounds. The tops of the more vigorous branches must be cut back from time to time to develop a symmetrical well-balanced crown. When the pruning is properly done, a knife is the only tool needed.



Shade trees, chiefly elms, on State street, Emporia. The parking being 24 feet wide affords ample room for two rows of trees between the building line and the street.

In which the tree is to be planted should be large enough and deep enough to receive the roots spread in their natural position. The soil that is filled in about the roots must be tramped or firmed about them so as to bring the fresh soil and roots into immediate contact to prevent them from drying out and also to exclude the air from the soil.

In the western part of the state it is not necessary that the holes in which the trees are planted be completely filled. A depression about the tree is often of a decided advantage in holding surface water that accumulates during a shower until it has time to soak into the ground. However, the roots of the trees must be covered sufficiently to prevent them from becoming dry.

After planting, careful cultivation is necessary. With street or yard trees,

The use of a saw or axe is unnecessary and seriously detrimental.

Next to cultivation comes the need of protecting trees against insects. There is not a species but has its insect enemies. In one case it may be a borer that girdles the young trees. One or two such insects in a single tree is sufficient to cause its death or to unfit it for the purpose it was planted. Or borers may attack the tree later in life in large numbers causing its death.

The scale insects which are becoming more numerous year by year are deadly foes to shade trees. It is often they are the original cause of a tree's death. The attacks of leaf defoliating insects are the more noticeable of all but are the most easily combated. Their ravages may be checked before the injury becomes serious.



Clump of hackberry trees on the college grounds at Manhattan. These trees are straight and slightly. A glance at the planting lists on Page 3 will show in what parts of Kansas it will thrive.

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Beautifying the Home Yard

BY MRS. HOWARD HILL.

Editor's Note.—Mrs. Hill presented this subject at the recent institute held at Lafontaine. She makes a strong point when she says the importance of pleasant surroundings is the effect these surroundings have upon yourself and your family. One season's experiment will convince any doubter.

I have spent all my years on the farm and I believe that the people of the country who have fair intelligence, live the happiest, sanest, and most wholesome lives of any class of people in the world. There are few things I envy my town or city sister, but one of those things is that the surroundings of her home usually have that trim well-kept appearance that our country homes so often lack.

I realize that the city folks have more time to spend in keeping things orderly, but it can also be done in the country. Of this we have proof in the neatly kept farm homes that we find it a pleasure merely to drive by. But I do not mean that the estimate of passers-by is of first importance in giving the place a homelike appearance. The important thing is the effect these pleasant surroundings will have upon yourself and your family. Even looking at it from a purely business standpoint it pays to keep the place in shipshape order for a well-kept home is its best advertisement. Instead of a weak-kneed, wobbly looking fence around the yard, why not just as well have one worthy the name, well painted and in repair?

Have Walks and Grass.

Then there is nothing, to my mind, that adds more to the exterior appearance of the home than walks. Then you will be more apt to get a stand of grass than by tramping all over the yard. It will mean less dirt carried into the house, and what a comfort and satisfaction to the wife to be able to go to the poultry house, or woodshed in a muddy time without losing her rubbers in the mire and getting her skirts wet and dirty. Even good cement walks are not expensive and may be put in with home labor. They will be a source of pride to you and I know they will make your wife happier.

In this climate there is some excuse for not having a sodded yard but it can be done even here. Shade and water, and mowing to keep down weeds, will do it. How often tall, unsightly weeds in fence corners and elsewhere are allowed to grow vigorously all summer, seed the place in the fall and then stand gaunt and naked all winter to offend the eye.

Various Things That Mar.

It seems almost an offense to speak to progressive farmers about allowing expensive farm machinery to stand out of doors and mar the landscape. Probably very few do that. But what about decrepit machinery—old wagons, hay-racks, plows, binders, etc? Perhaps we have seen our own so often that it no longer makes an impression on us.

The wood or coal pile is very necessary to the household but there is a way to have them out of sight by spending a few dollars and a little time in building a wood house that will not only keep the fuel dry but will look so much better.

So many farm houses show the need of a coat of paint. Panes of glass are often missing from the windows, and boards in the porch floor are in bad condition. Often the kitchen flue is so built that when it rains the water runs down inside and streaks down the plaster.

Out around the barn a common object of unsightliness is a large heap of manure

that is so much needed on the fields. Barnyard gates drag on their hinges and perhaps the barn door is still in the splintered condition in which the playful mule left it last summer.

No amount of admonishing our children along these lines is going to do much good if they have our contrary example always before them. A slightly, well kept home makes our boys and girls proud of the farm. I know the ups and downs of both the farmer and his wife and very often we are oppressed by our work but we must do the best we can. Lafontaine, Kan.

Frost Not Our Apple Killer

BY E. P. TAYLOR.

[Extracts from a paper read before the Kansas Horticultural Society.]

There is much blame placed against frost that in reality should be blamed to failure of fruit growers in controlling insects, pests and fungous diseases. If one goes back over the last 10 years of Kansas fruit growing he finds in the spring, after the last frost, five good crops, three partial ones and two failures. This is not a bad record so far as frost is concerned, but neither the quantity nor the quality of these crops at harvest bore anywhere near a decent ratio to the crop of fruit which escaped the spring frost and which could have been saved by spraying.

Real Cause of Heavy Drops.

The old, old story in the unsprayed or poorly sprayed orchard in years where fruit escapes the frost of the spring begins with an extremely heavy June drop followed by a heavy July drop, a heavy drop in August, more apples rattling onto the ground in September and continued drop right up to picking time. At this time the owner happening into the orchard discovers that there are scarcely enough apples upon the trees to pick. He goes ahead and gathers what there are but the quality is so poor and the expense of gathering so great in proportion to the fruit secured that the crop does not bring enough to pay expenses. I have repeatedly seen these occurrences and heard the report at the end of the season by the grower, "If it had not been for the frost in the spring, I would have had a full crop." Worms and fungi are the frosts of June and July.

Good Pruning Would Help.

There is much need of pruning in our orchards, not only to improve the size and color of the fruit but to allow of a more thorough spraying and increase in the quality of the fruit. Many of our older bearing orchards were planted with rows 30 to 32 feet apart but with the trees only half this distance in the row. The original intention was that every other tree should be taken out. In many cases this has never been done and the branches of the trees in the row are now interlacing. The trees so close-crowded are starved and are suffering from insufficient nutrition as evidenced by small fruit and poor growth. The crowded branches allow little sunlight to enter the center of the tree to give the fruit color and the tangled branches shaded by excessive foliage cannot help but encourage fungous diseases and insect pests.

Where spraying is done properly 20 to 30 acres is absolutely the limit for one gasoline power outfit. Power sprayers have been introduced into Kansas orchards at a very creditable rate during the last five years but if we are to take our place as producers of high quality fruit we must multiply our equipment tenfold within the next five years. Parker Kan.

Have You Tried the Parcel Post?

The Mail and Breeze would like to know if you have made any use of the parcel post as yet? Have you bought or sold anything in this way? If so what was your experience? Were the goods carried safely? What fault if any do you find with the new system? What is your opinion of its future usefulness? What improvement would you suggest? It would be an excellent idea for Mail and Breeze readers to compare notes on these points, especially so, just now. Will you write what your experience has been covering any of the features suggested by the questions. Do so early, so we can have the letters for an early issue if possible.

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Reid's Yellow Dent, Boone County White. Strictly pure bred, grown on our own farms from extra choice seed. Quality, good as the best. We won 1st in Copper Corn contest for best single ear in state and 1st for best 20 ears at Missouri State Corn Show, 1912. Guaranteed to please you. Send for samples and prices. **F. M. RIEBEL & SON, ARBELA, MISSOURI**

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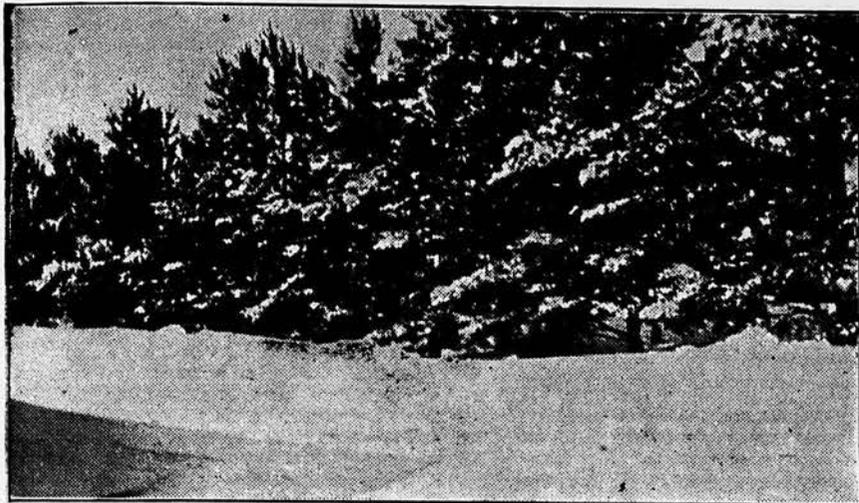
BY ARNOLD SCHUETZ
Written for Farmers Mail and Breeze.

NOTHING will improve the appearance of a farm home more than an evergreen grove and as a windbreak nothing will excel it. An unsightly place on the farm can be made a beauty spot by means of a few fine evergreens. They will hide the feed lots and barn yards along the public roads, will afford protection from the cold winter winds and make a cool shady place in summer time. Having had about 20 years of experience in planting and caring for

growing trees, always plant more trees than your rows require for some are sure to die, no matter how good care they are given. Plant evergreens for groves and windbreaks, they will increase the price of your farm and you will be proud of them as long as you live. Humboldt, Neb.

Shade Trees for Creek Bottom.

I have a wide creek bottom where a growth of willows has started. The ground is quite moist all the time and would like



Part of an evergreen windbreak on Arnold Schuetz's Rosedale Farm in Richardson county, Nebraska. The trees were planted in 1897 and are now 25 feet tall. The varieties are Scotch and White Pine.

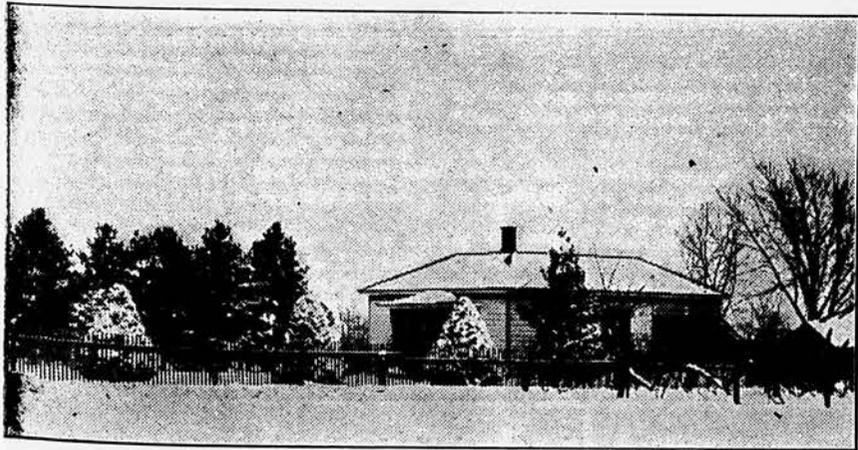
Evergreens I have learned a few things. First, the kind of trees to plant, second, how to plant, and third how to care for them after planting. Never buy seedling evergreens—they are dear at any price unless one knows just how to take care of them. Buy transplanted trees and choose those of good size and twice transplanted. Twelve to 18-inch size are the ones that gave me best results. They are then well rooted and that is necessary to make a thrifty tree. Scotch, White and Ponderosa or Bull pine, make the quickest growth and are the kinds to plant. The price is in reach of anyone that cares to plant them. They should be bought for from \$8 to \$12 per 100 from reliable nurserymen.

Evergreens are easily grown. Prepare the ground the same as you would for

to know what kind of tree would do best on it. I can get cottonwoods 3 to 5 inches in diameter and have been thinking of setting them out and by so doing would have them so large that stock would not injure them.—G. W. C., Buffalo, Okla.

I am not sure that I thoroughly approve of your plan of setting out large cottonwoods in order to provide shade for your stock. If you set out trees of this size without protecting them, you will find the stock will stand around beneath them and in this way pack the ground so that they will scarcely be able to grow. The stock will also keep them loosened up to such an extent by rubbing and scratching themselves on the trees that the roots will not be able to establish themselves.

I would much prefer plowing up a strip or small patch wherever you can plant your trees and fence each of these



A winter scene taken from the garden on Mr. Schuetz's farm showing the evergreen windbreak back of the lawn.

other crops and instead of digging holes with a spade, plow out a dead furrow in which plant your row of trees. Never plant trees while ground is too wet to work for other crops. Do not expose root of evergreens to the air. When you receive them, before you open box or bundle, first dig a hole in ground and make what is called a groute, which is a puddle of mud about the consistency of thin mortar. When this is done open box or bundle and stick roots into this mud quickly. Then have a trench reach to heel them in until ready to plant. After planting the trees require the same care a field of corn should be given—namely, good cultivation, and in July and August when dry weather generally sets in, they need watering. This is absolutely necessary or a good percentage will die. Unless weather conditions happen to be favorable to the

strips or patches so that the stock cannot go among them until the trees have become thoroughly rooted and are large enough to shade stock without danger of serious injury.

The cottonwood is one of the fastest growing trees and will provide shade the earliest of anything you can plant, but I believe some of the slower growing, long-lived species will give you better results. I should advise planting a mixture of species in each strip or block, and for your section of the state I would advise using the white elm, honey locust and hackberry. These may be planted in rows or scattered about promiscuously. However, they should be planted in such a manner as to allow sufficient cultivation to keep down the weeds until the trees shade the ground.

Charles A. Scott.

Manhattan, Kan.

Tired at Night?

Does that eternal feeding, watering, harnessing and lugging hay get on your nerves?

Wouldn't you like to be really through when you come in from the fields at night? You can with a



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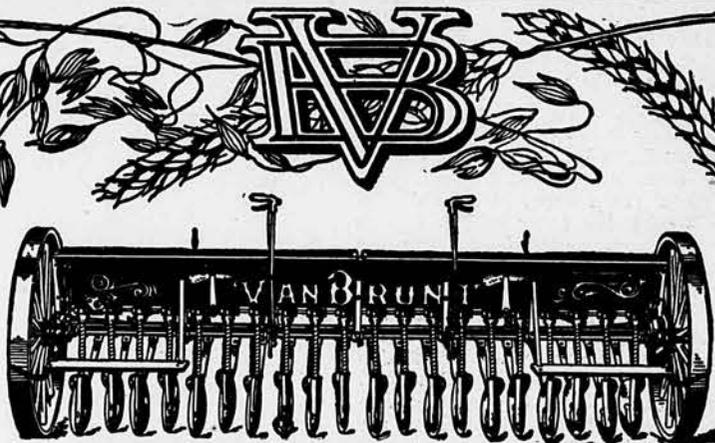


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At Kansas Station they found a gain of 4 bushels per acre.

Iowa Station found a gain of over 9 bushels per acre.

Get this extra crop by using Single Disc Van Brunt Drill—the drill that will not choke in sticky, trashy ground. Guaranteed to make a good seed bed in any ground that can be seeded.

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Van Brunt Closed Delivery permits seed to drop into furrow when it is wide open. "It beats the dirt."

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MOLINE, ILLINOIS



Conducted for Farmers Mail and Breeze by
A. H. Leidigh, Department of Farm
Crops, Kansas Agricultural College.

White Sweet Clover Might Fail.

Will white sweet clover do any good on the high and dry land of west Kansas?—C. B. H., Stanton county, Kansas.

I do not believe you can depend upon white sweet clover on the high dry uplands in your part of the state.

A. H. Leidigh.

No Accurate Measure for Hay.

What rule shall I use in measuring my alfalfa hay?—W. S. W., Butler county, Kansas.

No rule for measuring hay is accurate. I note you decided to use 400 cubic feet to the ton. One rule is: Over minus width, divide the remainder by 2. Multiply the result by length and width. Divide the result by cubic feet per ton. The answer in this case is 15.18.

According to the New Mexico rule we would use width times over. Divide the result by 4. Multiply the result by length. The answer is 16.7. This rule is fairly accurate for light stacks, 1-3 of over, times length. Multiply the result by width, the answer is approximately 22 1/4. This rule is all right for high machine built stacks made with a narrow base and a heavy bulge, but does not work for tall narrow stacks or low flat ones.

I cannot give you more definite figures than these. When selling hay by measure, or buying it by measure, one should not only agree on the number of cubic feet per ton, but should also agree on the rule to be followed in figuring. The only way to get accurate results is to use the scales.

A. H. Leidigh.

How Much Kafir to Plant Per Acre.

Please tell me how much Kafir of either kind to plant to the acre on upland, light soil, and how deep to plant it.—N. N. S., Cowley county, Kansas.

On rather light upland soil in your part of the state I would not advise you to use more than 5 pounds of test Kafir seed per acre, where you are going to use it as a grain crop. Of course, if you plant with the lister and make the rows very deep, or if heavy beating rains come before the plants are well started, this may not be enough seed. Some of our best yields of grain at the experiment station at Manhattan have been secured with about one-third of this amount of seed. If you intend to use your crop for silage I would advise the use of about 15 pounds of seed per acre. If you intend to plant the crop with a wheat drill and give no cultivation, use from 75 to 100 pounds of seed per acre, according to the condition of the field and the amount of moisture available. When planted with a lister, if there is a liberal supply of moisture in the ground, Kafir need not be covered more than 1 1/2 inches deep. This is particularly true where you use a four-wheel lister. If moisture is lacking it would perhaps be more advisable to plant as deep as 3 inches. When planting in rows with a surface planter and using a furrow opener, 1 1/2 inches is usually deep enough.

A. H. Leidigh.

When to Spring-Cultivate Alfalfa.

What have you found to be the practical tool for cultivating alfalfa; and when is the best time to commence in the spring?—J. W. M., Kingman county.

If you have land that is badly baked on the surface and in need of loosening up, use any tool you have already on hand for cultivating your alfalfa field. Such work should be done in February or early in March. If your land is in good condition and not badly infested with grasses, perhaps it would be better not to do any cultivating in the spring. In parts of western Kansas it has been found that loosening up the alfalfa field or cultivating it, is only advisable when there is a liberal supply of moisture in the ground and a period of dry weather follows.

Four different types of tools are used for this work. First there is the common disk harrow—a tool which practically every farmer has. Then there is the

spike tooth disk which has been criticised on account of its heavy draft. Then there is the common drag harrow or the spike tooth harrow, both of which will do fairly good work in light soils. A more recently introduced tool is the alfalfa cultivator which cuts 5 or 6 feet and is mounted on a frame somewhat resembling a drill frame. This tool is liked by many on account of its light draft.

Ordinarily we never advise purchasing a special tool for special uses on a small farm.

A. H. Leidigh.

History of an Alfalfa Field

BY J. T. BRISTOW.

[Written for Farmers Mail and Breeze.]

If we are to grow corn in a measure commensurate with the importance of the crop in this great corn country, we will need both alfalfa and clover.

Last August I planted 10 acres to alfalfa, following closely the teachings of the Kansas station. I put a lot of work and expense on my ground and planted the best seed obtainable after a purity test had been made for me by the station and the seed found to be free of weed seeds. The result was a fine stand a foot high to go into the winter.

On the same day one of my neighbors planted odsntepifofa when in the course planted 12 acres of alfalfa on ground prepared in the usual hurried way and he failed completely to get a stand. The two pieces of ground were very similar in character and the weather conditions and time of planting were identical. The difference between success and failure in this instance was clearly all in the method of preparation of the ground.

In view of a half dozen failures hereabouts to get stands of alfalfa, about the same time, against one other success; it may be interesting to the reader to know just how I secured this good stand of alfalfa. The ground was first manured, 12 or 15 tons to the acre, put on with a spreader—then plowed early in June, turning under a heavy coating of weeds. The field was then disked and harrowed many times during the intervening two months between plowing and planting time to keep down weeds and conserve moisture. It was rolled twice to pack the soil.

The seed were first inoculated with alfalfa bacterie supplied me by the department of agriculture at Washington. It was drilled in very shallow on August 17, following a light rain, and was up in three days.

Every morning for a week, or longer, after planting, this ground looked as if it had received a shower of rain the night before. In a few hours the surface would appear dry but the next morning the moisture would be on top again. The ground had been put in the right condition to conduct the moisture from below to the surface where it was needed, insuring quick germination of the seed and rapid growth of the plant. My neighbor's freshly plowed ground soon dried out under the scorching rays of that August sun, which caused the young and tender alfalfa plants to wither and die.

It is probable that my fondness for perfection in farm crops influenced me to go to more expense in securing this stand of alfalfa than might have been necessary under different weather conditions, but not, let us hope, beyond the limits of profitableness. It is conceded that when weather conditions are just right good stands of alfalfa may be secured with less preparation of the ground. But like the farmer who tries to cover too much corn ground on the hope of weather conditions favoring him, here again is the danger in attempting to squeeze through with too little preparation to make the effort certain. Does it pay to be thorough? I think it does.

When that alfalfa and the clover now growing next it is turned under and the ground planted to pure, high-yielding strains of corn I shall think I have failed if I don't get 100 bushels to the acre.

Wetmore, Kan.

The Best Correspondence School.

Mr. Editor—I value the Mail and Breeze above other farm weeklies from the many able discussions to and from T. A. McNeal. I believe these writings to be the best school I get through Uncle Sam's mail.

Agenda, Kan. J. P. Anderson.

JANESVILLE

Shaft Drive ENSILAGE Planter

The Only Perfect
and Check Rower

Press down foot lever, release wire and this Janesville Corn Planter *drills close for ensilage.* Press down foot lever, attach wire and away she goes, planting 2, 3 or 4 kernels to the hill, as you desire. Change from one to other *instantly*, without getting off seat, without stopping team. It's the greatest ensilage planter *ever built*—and the greatest corn planter. Look here, at these additional advantages.

Shaft drive, no chains to break or get out of order. Runs in oil, greased at factory for a whole season with axle grease—no kerosene needed—dust-tight gearing. Flat and edge drop plates free. Change of plates made in a second. Shoe, stub or disk runners on same machine. Automatic wire release. Perfect fertilizer attachment if desired.

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Let us tell you all about the Janesville Corn Planter features—why it drills so close for silage, how easy it is to make changes for checking or drilling, for planting 2, 3 or 4 kernels in spots you know best—why its construction saves wear, saves time, saves work, *saves money.* Address postal to us now for book.

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No 8 Planet Jr Horse Hoe and Cultivator plows to and from row, hills, furrows, etc. Can be equipped with all steel wheel discs and plow attachment, *new this year.*

No 25 Planet Jr Combined Hill and Drill Seeder, Double Wheel Hoe, Cultivator and Flow has automatic feed-stopping device, and complete set of cultivator attachments. Indestructible steel frame.

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"America's Largest Exclusive Tire and Rim Makers"
Akron, Ohio All Large Cities

CAPPER BOYS CORN CLUB



Founded 1907

by Arthur Capper

BOYS, an early start in any contest is a help. The more time you have to get good and ready the better your chances. Every boy may compete who wants to. If you haven't sent in your name yet, better do it now. Then you're "in". The blank is on this page and all there is to do is to clip it out, fill in the blank lines and mail it as directed.

We are trying to make the directions and rules of the contest as plain as possible but some of the boys are bringing up points they do not understand, and which we are glad to answer. Dewey Fuhrken of Washington, Kan., asks us to send him further directions in regard to the contest. All the directions we have to give will be found on this, the Corn Club's page, in the Mail and Breeze from week to week. We ask all the boys to look up this page each week and read all of it. It will tell you how to select your seed, prepare your ground, plant the corn, and cultivate it. From time to time there will be letters from the boys telling how they are getting along, what ways of handling their crops they find most successful, etc.

Dewey also asks whether it will cost any money to enter the contest. No, the contest of the Capper Boys' Corn Club is as free as air. There are no strings of any kind tied to it. All it will cost you is a 2-cent stamp or a postcard on which to send in the blank with your name. Where there are two or more boys in a family, send all the entry blanks in one envelope and save postage. Or, for that matter, all the boys in a neighborhood may enter for the cost of a 2-cent stamp. But we will not tell you how to divide up the expense equally between you.

Roy Pringle, of Eskridge, Kan., thought there was a special application blank for boys who wanted to enter the contest in addition to the membership blank on this page. As you will notice this blank "entitles the signer to the full benefits of the club and contest, without further notice or formality". This same Roy Pringle will bear watching, even if he is only 13 years old. He is going after the acre yield prize and has the kind of land that will win it for him. Here is a part of his letter:

"I want to join your corn contest for you have the best contest now running in Kansas. I have some land that has been used for a garden for nine years. It has not had any corn on it and has had a top-dressing of manure every fall or winter. I think I can do pretty well with this land."

Of course there is such a thing as having land too rich to make big yields, as it might grow to stalks more than to ears, but if Roy will be careful not to plant his corn too thickly, it ought to grow a lot of corn for him, the conditions being good otherwise.

Some of the boys seem to think the seed is furnished by the club. Each boy must secure his own seed and as you have noticed, no doubt, there are special prizes for boys who grow the best ears from seed of their own raising.

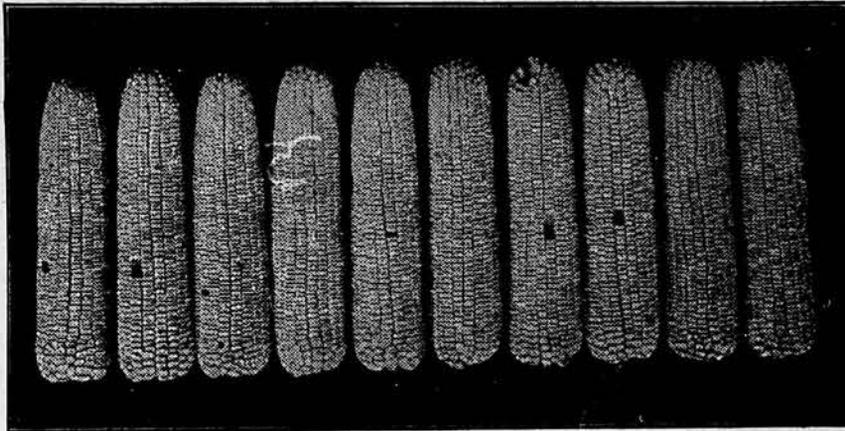
There are a good many boys who did not save seed at husking time last fall and in many cases their father's were just as negligent. So there is nothing to do but pick the best ears they can find in the crib unless they think it

worth while to spend money and buy some good seed. Last week's Mail and Breeze had a good description of the kind of ears to select for seed. We would suggest that every boy in the club save that copy of the paper for future reference. The description will come in handy again next fall when you pick out your show ears, also your seed for the following spring. This week you will find a picture on this page of a dozen good seed ears that will give you a good idea of the kind to select for seed.

Capper Girls' Tomato Club

Marcella Murry, aged 14 of Howard, Kan., was the first girl to enter the girls' tomato-growing contest. This being the first year for the tomato contest, we did not expect to get so ready a response from the girls as the number of entries show.

One of the first things to be particular about in this contest is to get the right kind of seed—one of the varieties that is a heavy yielder. The Earliana and Chalk's Early Jewel are perhaps the earliest of all varieties, and this is what



These ears show the type to select for seed. This is the 10-ear exhibit that won first prize at the recent Missouri state show for Chester Matheny, who also won the first prize for Missouri in the Capper Boys' contest for 1912.

counts in selling them, as the first tomatoes on the market always bring a good price. But these two kinds will not bear so heavily later in the season.

If you want to show your loyalty to the state, try the Kansas Standard. This is a hardy variety and well adapted to stand dry weather, although we do not believe any of the girls in the club are going to let their plots suffer for water if rain does not fall often enough. The Stone and Ponderosa varieties are somewhat later but may be depended on to make big crops as they are heavy yielders. The Stone is fine for canning and slicing. The Paragon and Beauty are two more good ones but ripen a little later than the Earliana and Early Jewel. But they are good yielders and produce a fruit good for almost any purpose. Either of these varieties may be depended on to do well for you.

The Crimson Cushion or Beefsteak tomato is considered one of the best, if

not the best, climbing variety. This brings us to another matter. As you probably know, the climbing tomatoes properly trellised will usually yield more heavily for the space they occupy than the ground varieties. We will have more to say along this line in later issues.

CONTEST RULES.

Any Kansas girl 10 years old and no more than 18 may become a member of the Capper Girls' Tomato club and contest for the prizes.

Each member is to plant and tend a plot 33 feet each way. The men folks may plow and harrow the patch to prepare it for plants or seed, but the rest of the work must be done by the contestant.

Each member must keep a record of the weight of all tomatoes picked and report the total number of pounds of the entire yield at the end of the contest. Also how the crop was disposed of—both canned and sold—or for home use.

The contest will end October 10, 1913. A blank form of report will be sent to each contestant at the end of the contest.

The member growing the greatest number of pounds of tomatoes on her plot will be awarded first prize, \$25 in gold. The one getting the next largest yield will receive a cash prize of \$15. The third prize is \$10. To insure fairness to all contestants the winning reports will be verified.

To join the Capper Girls' Tomato club and participate in the contest fill out and mail the entrance blank on this page as directed.

Capper Boys' Swine Club

Credit for being the first boy to enter the Capper Boys' Swine Club goes to Walter Hahn, of Thayer, Kan. He is also going in for the corn contest, but has never taken part in a contest previously. Although no boy is entitled to win more than one prize in the corn contest, it will be possible to win one in the corn contest and another in the swine contest. To go in for both sim-

ply gives you a double chance to win something.

Here is a quiet tip to the boys who are thinking of getting into the pig contest but have not done so yet: There are not going to be as many pig feeders as there are corn growers. So there is going to be a much better chance at a prize here. You'd better talk to dad about it and see if he will not let you pick a young porker from the first litter that farrows after March 1. If you are already entered in the corn contest it will do no harm to fill out another blank and get into the pig race. The one blank will do for both contests if you do not cross out the corn contest line or the swine contest line in filling out the blank.

CONTEST RULES.

To be eligible to enter the Capper Boys' Pig Contest at the Kansas State Fair (Topeka or Hutchinson) a boy must be 20 years of age or under March 1, 1913. He must own and feed his pig. The pig must be purebred, eligible to record, the sire and dam being recorded in the proper record association, and be of one of the following breeds: Poland China, Berkshire, Duroc-Jersey, O. I. C. (Chester White), or Hampshire, and farrowed after March 1, 1913, on the home place or land.

The prize will be \$30 in cash—\$15 going to first award, \$10 to the second award and \$5 to the third award.

All four of the breeds will compete and the entry may be either a boar big or a sow pig.

The prizes will be awarded by the regular swine judge or judges of the fair. Pigs shown in the regular classes at the fairs will be eligible to this class.

To join the Capper Boys' Swine club and to enter the contest all you have to do is to fill out and mail the entrance blank on this page as directed and you are ready to begin when you get your pig.

Corn Contest Rules

Any boy under 20 years old may enter the Capper Boys' Corn-growing Con-

test, for which cash prizes are offered in four states, namely: In Kansas, in Oklahoma, in Nebraska and Missouri. For best acre yield in each state \$50; for champion single ear in each state \$25; for best ear in each state from seed of a boy's own raising \$25.

There is a separate contest for boys in Shawnee county, Kansas, in which \$25 is offered for champion ear in that county, \$15 second-prize, \$10 third prize.

All contestants in the Capper Boys' contest are to furnish their seed and must do all the work of preparing the ground and planting and cultivating their crop themselves.

In the acre contest each contestant will keep track of the number of hours' work performed by himself and his team and be prepared to render a report of the methods he used, on a blank to be sent him at his request before the end of the contest, December 1, 1913. The acre may be a part of a field of corn or a single acre.



Easy Pumping

Have you had to depend on the wind for pumping water? The wind is uncertain—the right way is with a

1 1/2 h.p. Rumely-Olds Engine

You'll get your water at low cost, you save a lot of time and work—you'll have an engine that will do your pumping in a short time and be ready for general service the rest of the day. To make pumping no job at all, hitch this engine to a

Rumely Pump Jack

Then all your pumping troubles go. You have a real outfit at a very slight cost.

Rumely-Olds Engines are strong and simple—Rumely Pump Jacks are right, too.

Think the combination over—see if it wouldn't pay you to have it.

The Rumely-Olds 3 h.p. Engine will handle a bigger job—we have them in all sizes, stationary, skid mounted or portable—so we're sure to meet your requirements, and we have the proper pumping outfit for each size.

Write for the Olds Engine Data-Book No. 344, and the special folder on Rumely Pump Jacks—ask name of our nearest dealer.



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Are You Satisfied With Your Harrow?

Levels, packs, pulverizes, slips the trash, cultivates listed corn, saves the moisture, leaves the surface in ridges so soil will not blow. Just the tool for cultivating and harrowing out potatoes. Saves time and work and better results follow the use of the Blade Harrow. Write for our illustrated catalog.

THE BLADE HARROW CO.,
Lawrence, Kansas.

LATCH STRING

Is Out for You at GALLOWAY'S

You owe yourself a visit to Waterloo. Come! A little vacation right now will do you a world of good. Come! The moment you get off the car at Galloway Station, you're Galloway's personal guest—no expense, free entertainment—put up at our \$60,000 Agricultural Club and enjoy every comfort and luxury. Remember, this Club was built for my farmer friends and their families.

Bargains—If You Want Them!

Go through my factories. See how Galloway Spreaders, Engines, Separators, Harrow Carts, are made. Satisfy yourself about quality—then if you like save big money on anything you need. I'll give you lowest direct factory prices and a special 5% discount if you cut out and bring this "ad."

No Obligation to Buy

Look around. Have a good time. Get posted on real values. Then, buy if you want to—if not, all right! There are other factories in Waterloo. I'll put you in touch with my competitors so that you can get all the facts. Isn't that square? That's the Galloway Plan. Everything fair and square at every turn of the road.

Write Me That You Are Coming
Wm. Galloway, Pres., WM. GALLOWAY CO.
208 Galloway Station, Waterloo, Iowa

Entrance Blank

ARTHUR CAPPER, 800 JACKSON STREET, TOPEKA, KAN.

Please enter me in the
Boys' Corn Growing contest.
Boys' Swine contest.
Girls' Tomato Growing contest.

(Draw a line through the contest you do not wish to enter.)

My name is.....

P. O. or R. F. D.....

State.....

My age is.....

Properly filled and mailed as directed, this blank entitles the signer to the full benefits of the club and contest, without further notice or formality.

How a Calf Law Would Fail

An Old Cattleman Shows Up Its Folly

Editor's Note—The Mail and Breeze is receiving some very strong letters from its readers in regard to the revival of the talk of prohibiting the slaughter of heifer calves under 3 years. Two are published this week as a sample. Notwithstanding the livestock exchanges originated this idea, it is hard to believe they really intend to push any such fool measure, or that they will get anywhere with it if they do. We have a beef shortage. And we have it for the simple reason that for years men have lost money or gone broke, because the work, expense and risk of raising or feeding cattle for market was greater than the returns. In the meantime we have necessarily been coming to a change of methods owing to the breaking up of the ranges. Just as soon as the cattle business becomes Reasonably Safe and Profitable for the producer, the beef shortage will cease to exist. The exchanges can help by assuring the cattleman he shall have a square deal first, last and all the time, so far as the market is concerned. They won't be able to do this with their calf brand of political economy.

MR. EDITOR—I see that renewed effort is being made by the livestock exchanges to have the different state legislatures prohibit the slaughter of heifer calves and female cattle under 3 years of age. I have been raising cattle on a Kansas farm for 30 years and wish to say from a stock raiser's standpoint if this is done it will do more injury to the farmers engaged in the cattle business than any bill ever passed by a state legislature.

The Most Beef This Way.

It is an accepted fact that the country must look to the farmers of the corn belt for any material increase in the production of beef. It is a fact also that the greatest drawback in beef production on the farm is lack of pasture. It is another fact that the most profitable way of producing beef on the farm, and I think the only profitable way, is to keep a good bull and all the cows one's pasture will carry. Then market the calves at from 10 to 15 months of age. At this age, if wellbred and rightly fed they should average in weight from 600 to 1,200 pounds and bring the top price on any market. In this way you can produce the maximum amount of beef on the minimum amount of pasture and with the least labor.

Would Defeat It's Own Purpose.

The proposed bill would prohibit selling for slaughter all heifer calves under 3 years and in this way curtail the production of baby beef on the farms, for I know of no way to prevent at least half of the cows bearing heifer calves. As his pasture will carry only so many cattle the farmer cattle-raiser will be forced to market his cows to make room for his young she stuff. Then, again, a mixed lot of cattle on a farm is very hard to handle and a heifer should never be kept after she is 18 months of age unless wanted for breeding purposes.

But it seems it is the killing of veal calves that is worrying some persons most. They fear the beef animal will become extinct in this country if it is not stopped at once. They are not even willing to give the producer a few months to prepare for such a drastic measure, but want it to go into effect immediately after its passage.

Mostly Scrub Veal Being Sold.

Now, as no farmer can afford to keep a cow of the beef breed a year, just for a veal calf, it is self-evident that the beef cows are not producing the veal calves and a full blood heifer calf of any of the dairy breeds is too valuable for slaughter. Where then, are the veal calves all coming from? Well, there are thousands of farmers all over the country who have a few cows, a cream separator and a small amount of pasture. These are the real producers and these cows are commonly called "scrubs." They are bred to any kind of a bull and as such a calf is not worth raising the only way the owner can get a cent of profit out of it is to sell it for veal. It makes good eating for the beef consumer and is best for the calf.

Why Force Beef Cows to Block?

Then why pass a law to prohibit their slaughter? Is it not far better that a few thousand of these heifer calves be slaughtered than force the beef cow to the block because their owners cannot keep them and all their heifer calves until they are 3 years of age? I think so and I hope the farmers of the country will look into this matter, think it over and use their influence against

the passage of a bill which can only work harm to themselves as well as the whole country. Fred Bronson, Blue Mound, Kan.

Good Calves Not Slaughtered

Mr. Editor—I notice that the president of the Kansas City and the National Livestock Exchanges have written to the governors of the different states asking them to use their influence to get a bill passed to prohibit the sale for slaughter of heifer calves under 3 years of age. Now if such an unreasonable bill were passed and became a law would it not conflict with the law of our state and with that of the U. S.?

As far as I have been able to learn the farmers are opposed to such a law almost to a man, but the reason they treat it with indifference is because they have too much faith in their representatives to think they will hear to such a measure under any conditions.

It is true there are a great number of heifers it will pay to raise but these will be reared without compulsion. Then there are vast numbers that won't begin to pay and these are the ones that are in question. Here are some figures to prove my statements. We will begin with a heifer calf born March 1, 1913. It will need to run with its mother five months to be handled in any number and in a practical way. Now any decent stock cow will give 2 gallons of milk a day and milk sells here at Emporia at 15 cents per gallon wholesale:

March 1 to Aug. 1, 1913, 300 gal. milk.	\$45.00
Aug. 1, 1913, to May 1, 1914, feed.	7.00
May 1, 1914, to Nov. 1, 1914, pasture.	7.50
Nov. 1, 1914, to May 1, 1915, feed \$1.50 per mo.	9.00
May 1, 1915, to Nov. 1, 1915, pasture.	7.50
Nov. 1, 1915, to March 1, 1916, feed \$2 per mo.	8.00

Total cost of heifer at 3 years.....\$84.00

This heifer will weigh about 1,000 pounds and sell at about \$6.50 per hundred or a total of \$65.50.

These figures are taken at present prices of feed and pasture. I haven't allowed anything for taxes, interest, loss or any details because it looks too bad as it is.

That there is a shortage of cattle is very true, but such steps as this bill will only make matters worse and will make a shortage of farmers more marked than the cattle shortage in a short time. I might suggest that we take up some of the slack between the \$8.50 heifer and the 25 cents-a-pound steak. If the state will compel us to raise cattle at a loss let the state also fix a rate of profit for others who handle the meat before it gets to the kitchen. Emporia, Kan. Daniel James.

First Aid to Baby Lambs

BY W. J. DYER.

[Written for Farmers Mail and Breeze.]

Here are a few suggestions as first aid to the little woolly coats. First I would say do not breed for early lambs unless you are prepared to care for them. Have the ewes in good condition by feeding good clover, alfalfa, corn or Kafir corn silage, along with what other picking, stalks or rough hay, they may have. If you have all of these feeds, so much the better as the ewes relish the change and the lamb crop pays the bill. The result is the lambs are large and strong, the ewes are attentive mothers, they have plenty of milk for twins and there are no disowned or hand-raised lambs.

Keep the ewes near and provide them with good, warm, dry shelter. Do not neglect to watch them. Many a fine



It's HOG WORMS—Not Cholera That Kills The Most Hogs

Real hog cholera—the disease that is caused by a certain germ—is by no means as common as many farmers and hog raisers seem to think. In fact, it is rather rare. Yet every year an epidemic breaks out and sweeps the country like wildfire, killing thousands of hogs and causing millions of dollars loss. An enormous part of this disease is caused by worms. The symptoms are similar to those of cholera—the hog snoops around, his flanks "pop," hair sticks up, tail hangs down, he coughs, eats little, gets thin. You think he has cholera, but he hasn't. Rid him of the stomach and intestinal worms that are sapping his vitality and strength and he'll get well. You can quickly rid all your hogs of worms by mixing with their feed twice every day according to directions on every can a little

Merry War Powdered Lye

Hog raisers declare it is a dependable destroyer of hog worms. It makes hogs strong, healthy, fat and sleek, tones up the digestion so that all feed is changed into firm flesh and juicy fat. MERRY WAR POWDERED LYE is likewise the safest preventive of real hog cholera and the best hog conditioner the world has ever known. Keep your hogs on a MERRY WAR POWDERED LYE feeding from weaning until marketing time—they'll never know a day's sickness and will weigh heavy. Feed twice every day according to directions printed on every label.

About Vaccination—I've no doubt that vaccination, as a preventive of cholera, has done much good. But it is an expensive and difficult treatment. It does not destroy hog worms, make sick hogs well, or thin hogs fat. So why use a treatment which is more or less of an experiment, when you can so easily get MERRY WAR POWDERED LYE, which actual experience in thousands of cases has proved to be a dependable, safe preventive of cholera, destroyer of worms and a wonderful hog fattener?

Beats Everything As A Worm Destroyer—A. U. FAYE, Essex Junction, Vt. "I have my hogs for worms. It beats everything I ever saw."

10c A Can At All Dealers

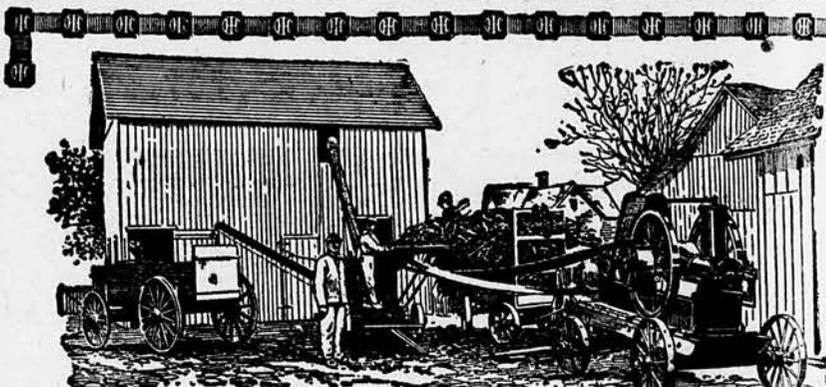
MERRY WAR POWDERED LYE is for sale at most grocers, druggists and feed dealers everywhere, 10c per can (120 feeds). It is convenient to buy in case lots—4 dozen cans \$4.30. Costs only 5c per hog, per month, to feed regularly—by far the best and much the cheapest hog insurance you can buy. If your dealer can't supply you, write us, stating their names. We will see that you are supplied, and also send you, free, a valuable booklet "How To Get The Biggest Profits From Hog Raising." Order direct from us in case lots (4 dozen cans \$4.30) if your dealers won't supply you.

There Are No Substitutes

Don't experiment with ordinary, old-fashioned lye. It might prove dangerous. MERRY WAR POWDERED LYE is the specially prepared lye that is safe to feed to hogs. Full directions on each can.

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are thoroughly dependable, and unusually durable. The fine-grained, grey cast iron cylinders and pistons are worked together to a perfect fit. The ground piston rings insure maximum power from the explosion. The ignition apparatus can be understood at a glance. The fuel mixer is the most effective and simplest known. Moving parts are perfectly balanced. Bearings are large and carefully fitted.

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FREE With each book we also send free a beautiful colored picture of Queen—oil painting effect—suitable for framing. PROF. JESSE BEERY, Box 675 Pleasant Hill, O.



Lamb is lost which could have been saved had the caretaker been at hand to assist at its birth. In cold weather assist the ewe in drying them off by rubbing them with an old soft cloth. Do not remove the lambs from the ewe's sight. In case of twins and extreme cold provide a box, say 3 feet square and 14 inches high. Place an old sheep pelt or other soft, warm material on bottom and sides, fill a 2-gallon jug with hot water, wrap it in an old sack, place the jug in the box and then put the lambs in. The ewe will continue to assist in drying them by reaching over the sides of the box to lick and talk to them. Here they cannot wander away or crawl into some cold corner and die but will gain strength, learn the ewe's voice and will soon be ready for their first meal. When this time comes be sure to milk a stream from each teat to see that they are open, put the lambs out and they will do the rest. If you think it necessary, and it probably will be in extreme cold, after the lambs have had their fill, put them back in the box for two hours longer. Never, if possible to avoid it, take the lambs from the sight of the ewe and do not talk while working with them as the little ones seem to take up with the caretaker and will wander away, not caring for the ewe. LaCygne, Kan.

a day in smaller rations ranging from 10 to 15 pounds at a feed for grown stock and for young animals from 6 to 12 pounds. Sheep will consume from 2 to 4 pounds daily and horses from 4 to 12 pounds when not working. It is not advisable to feed work horses large quantities of silage any more than to give them large quantities of new grass. Feed the ensilage so that the animals will eat it up clean as it spoils or freezes when exposed to the air for several days.

On Retiring to Town

BY A. M. TENEYCK.

Neither a farmer nor his wife falls in with the city ways; they are used to the ways of the country and they are too old to change, and often live unsatisfied lives in town, pining for the old home on the farm. How much better for them and for the country community, if they could retire from active business and still remain in the country, and instead of building a house in town, build a new home, near the old one, yet removed from the toil and care of farm work. Here Mr. Farmer could plod along among his trees and vines and Mrs. Farmer could care for and enjoy her new home and both could have leisure to take part in all the good works proposed to make the country more prosperous, more agreeable and more enjoyable. In this day and age, with the extra money which it would take to maintain the city home, they might have their automobile and drive to town any day to trade and see the sights with never a thought of time or distance. If farmers would take up this practice of retiring in the country, the country would soon be supplied with all the advantages of the city; with good roads, rural delivery, rural railroads, electric lights, telephones, and local water and sewerage systems.

How Corn Silage Should be Fed

Corn ensilage is a "grass like" food. For this reason it can be used very much as pasture in feeding. The analysis of good corn silage however, will show that it is richer than a great many of the pasture grasses and therefore will go farther in feeding. As soon as the silo is filled feeding may begin though the ensilage be in the heating process. It will be just as wholesome food and will be relished by the animals quite as much as old silage. It is conceded, however, that silage several months old is better than newer silage. Some feeders prefer silage that is six months to a year old. Corn silage is strong in carbohydrates, the principal food requirement for all animals but needs protein to balance it. Alfalfa hay is perhaps the cheapest and best for this purpose. Throughout the alfalfa belt it should form a part of a ration where silage is used to give the animal a wholesome, balanced ration. Corn silage may be fed out of doors in bunks, in the stall, or in fact any place where animals can eat it without waste. In very severe weather it is best to feed silage inside, as some will freeze and this will be hard for the stock to masticate, although there is no danger in feeding frozen silage. In feeding milk cows it is a good plan to give the hay in rack outside or some place where the animals will not waste it, and feed the ensilage in the barn after milking. It may be given twice a day in rations from 10 to 15 pounds at a feeding or 20 to 30 pounds per day. Some large animals will take as high as 40 to 50 pounds of silage per day and make good use of it. In feeding fattening stock or steers, silage may be fed twice

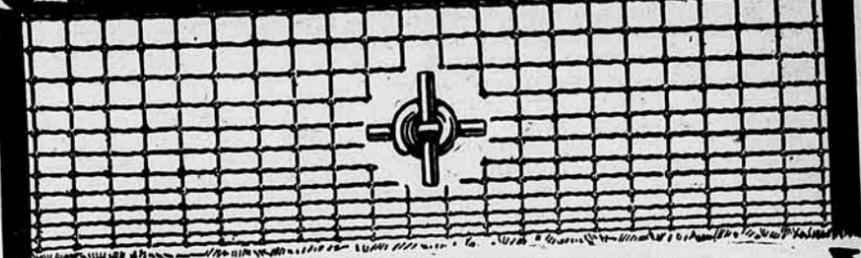
A Broadgauge Farm Paper

Mr. Editor—I read all the so-called farm papers but find the Mail and Breeze an easy winner over them all. I like it because I find in it just the information on farm topics that I need. It gives me a wider range of farm subjects than any other farm paper. Your editorials are always fair and I often gain more information from one copy of the Mail and Breeze than from all the other papers I take. So in the language of Old Rip Van Winkle, "May you live long and prosper". D. T. Perry. R. 2, Coffeyville, Kan., January 21, 1913.

New Livestock Commissioner

Kansas has a new livestock sanitary commissioner in S. S. Graybill of Hutchinson, Reno county, appointed by Governor Hodges to succeed J. H. Mercer, who has conducted the office creditably for a number of years. The appointment of Mr. Graybill was confirmed by the senate the day it was in.

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Here's my plan: I'll ship you one of my new 1913 Model Galloway Spreaders right to your farm without even a dollar's deposit. I want you to take that spreader and test it in a way that would put any other spreader in the world on the scrap heap. I'll even tell you how to do it. Hunt up the toughest manure to handle you can find. If you've got any heavy, tramped-down, unrolled, frozen slough hay manure in your calf yard, that's just the stuff to use. If you can't find anything tough enough on your farm, get a load from one of your neighbors. Let him watch the test, too. Drive out into the field; get your team on the GALLOWAY AND SLAM IT IN GEAR! Don't you worry about smashing the machine—remember, it's a Galloway you're using now. Besides, I'm taking the risk—not you. I've been putting the Galloway to test like this for seven years. 40,000 farmers besides myself know what the Galloway will do. Study out the exclusive patented features—the things that make it easy for the Galloway to do things that would wreck any other machine in the world. See why I can make this offer, why I can guarantee it for a lifetime and back that guarantee with a \$25,000 bond.

Take a month to make up your mind—use the spreader all that time anyway you want to. Then, if you can't honestly say to me: "Galloway, your spreader is better than I ever thought a spreader could be and I don't see how I can get along without it"—if you can't say and mean every word just sent it back to me and I'll pay the freight both ways so you won't be out a cent.

If you want to keep it, I'll absolutely guarantee to save you \$25 to \$50 on the very best spreader in the world. That's why I say: "The Only Way is the Galloway". Selling direct from factory to farm, every middleman's profit cut entirely off; the actual net factory price with just one small profit added.

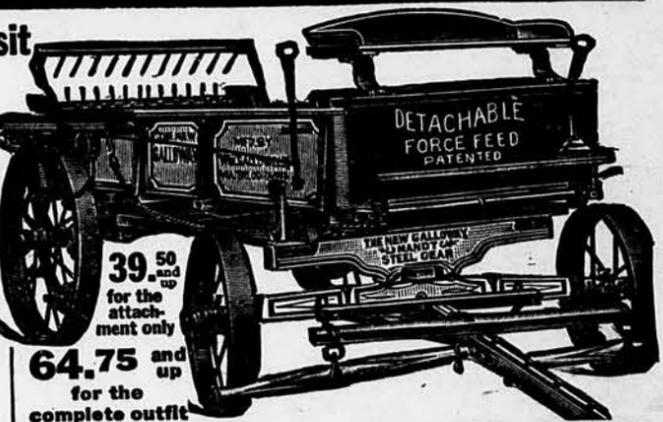
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Gentlemen: I received the spreader all O. K. and have it now nearly six months. I have never had trouble with it at all and I like it very much. I would buy without one now for a great deal. My team weighs 2200 pounds and will handle it even on plowed ground. This morning I spread a load and there was 4 inches of snow on the ground, but the wheels did not slip, even without the mud lugs.
Yours truly,
Walter Ensign.
Dear Sir: I received your wagon box spreader much more than pleased; it does the work far better than any other I have ever used. It handles the manure so easily and they only weigh 900 lbs. Farmers come from all around to see it work and all say they are going to have one of them.
Yours truly,
P. J. Robinson.
Marina, Okla.

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I've got a new proposition for 1913 that's so much bigger and more liberal than anything I've ever been able to offer before that there's simply no comparison. Listen—if you decide to keep the Galloway after having had the free trial, I'll tell you how you may get it partly or entirely free. No canvassing—no soliciting. Just the fairest, squarest, straightest, cleanest co-operative offer that anybody ever made. I can't explain it all here and I won't try to. But I'll tell you all about it in a personal letter if you'll write me right away.

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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.

Doing the milking before feeding will mean less dust in the milk.

The feeding value of alfalfa hay for cows is twice that of timothy, pound for pound.

Are the cows paying for the feed they consume? If not, there are those that will.

The first year of a calf's life is practically the making of the animal. Keep it growing.

To sell off a cow because she will bring a good price does not go far toward improving the herd.

Letting the calf run with the cow sometimes has a good effect on hard milkers and other udder troubles.

A calf's inside "workings" are sensitive and easily upset. A single feed of milk, too hot or too cold, may start trouble.

One pound of grain for every 3 pounds of milk produced is the commonly accepted winter feeding ratio among business dairymen.

Eighty five per cent of a pound of butter is pure fat. The rest is moisture, salt and a small amount of solids other than fat, that were in the cream.

A daily grain ration for milk cows recommended by dairy authorities, is 5 pounds corn and cob meal, 1 pound ground oats, 30 pounds of silage, and what alfalfa hay they want.

If one knows when a cow is coming fresh it is a good plan to start feeding her about 2 pounds of bran three weeks beforehand, increasing the amount gradually. This will put her in the right condition for calving.

Rack for the Milk Stool.

[Prize Suggestion.]

Mr. Editor—On our farm we use the common one-legged milking stools and we used to spend considerable time hunting for them when milking time came. But one day a board was nailed across two studding in the back of the barn and since then the stools are always slipped behind this board where they are always convenient.

Mrs. H. D. McWilliams. Angora, Neb.

Mush and Milk Diet for Calves.

Mr. Editor—I am a much interested reader of the Mail and Breeze and notice a good deal is being said about raising calves but no one has given my method as yet. I have been fortunate in raising fine thrifty calves that do not have the stunted, potbellied appearance about them. I simply supply what is lacking in the skimmilk by giving them a well cooked flour mush, made twice a day. I also use corn meal mush part of the time and neither gives the calves scours. I feed skimmilk entirely, giving it to them three times a day.

J. E. Barnett. Humboldt, Kan.

Butter Money From 5 Cows.

[Prize Letter.]

Mr. Editor—We read the letter of Mrs. George Bright of Offerle, Kan., but believe we can go her one better on butter records. We are milking five cows, three of them fresh last April, one the first of August, and one the first of November. During the month of January we made 132 pounds of butter. We also have regular customers and get 30 cents a pound. Each cow is fed 2 quarts of corn chop morning and night. For rough feed they get Kafir, cane, and straw. They also have the run of the

stalk fields. They are kept in the barn at night and the greater part of the day when the weather is very cold. Mrs. H. O. Perry. R. 1, Dodge City, Kan.

Cutting Box for Cow Feed.

[Prize Suggestion.]

Mr. Editor—In this box I cut up the nubbins and soft snapped corn for my milk cows. The bottom is of sound 2-inch plank, 1 by 3 feet. The legs are 2 1/2 feet long and the sides are of 4-inch boards. I fill the box at the left end, then slide the ears along with the left hand, cutting them with a sharp hatchet held in the right hand. The ears are cut up into 1 or 2-inch lengths and pushed out at the opening where they fall into a box or basket. This box full of snapped ears makes a good day's feed for two cows along with some alfalfa hay.

H. W. Prouty. R. 1, Hesston, Kan.

Mail and Breeze Saved His Calves.

Mr. Editor—"I think no farmer should be without the Mail and Breeze. I had lost one yearling steer with winter cholera and had two more sick when I received the paper of January 18 and read G. R. Grant's home cure for calf cholera. I followed his directions with the result that both calves are on feed again, which I think pays for the paper for a good many years.

Paradise, Kan. L. A. Branson. In Farmers Mail and Breeze of January 18, Mr. Grant gave the following account of his experience with the remedy referred to and how the ingredients were mixed and administered.

Last spring I had an experience doctoring calves that proved to me that I had a good cure for scours. Two of my calves had the second day scours or calf cholera and were so bad they would no longer nurse the cow. They could hardly stand up and they looked to be beyond help. I had lost six in the same way before. The remedy I used was 1 tablespoonful of ground cloves and 1 teaspoonful of nutmeg, boiled in a pint of water. After boiling well I took it from the fire and added 1 tablespoonful of flour moistened in cold water, and 1 tablespoonful of castor oil. This mixture was diluted with a pint of fresh milk and each calf received half the mixture as a drench through a long-necked bottle. One of the calves recovered on the one dose and the other needed two to bring it around. This saved my calves.

Kansas First Cow-Testing Club

Kansas has just organized its first co-operative cow-testing association. A group of farmers near Abilene, Dickinson county, under the direction of the dairy department of the Agricultural college, have organized the Dickinson County Pioneer Cow-Testing association, and is already doing business.

The purpose is to keep records of the cows owned by the members. The association hires a man to visit each farm one day out of every month. He weighs the milk of every cow and tests it; weighs the feed, too, and records all of these operations for one day. With this information at hand a farmer can calculate, readily, the profit or loss made by every cow in his herd.

To finance the association every member pays \$1 a year for every cow he owns. This money goes to pay the salary of the man who does the testing and for other incidental expenses. The association at Abilene has 27 members, who own some 400 cows. A man already has been hired to do the testing, and he is making his rounds now for the first time.

A herd book is furnished by the dairy division of the United States department of agriculture, in which all this information is recorded, and one of these herd books is furnished for each member. And this record is kept right on his farm where he can study it any time he cares to. The tester makes 12 such visits, carrying his scales and Babcock testing outfit with him on every trip. At the end of the year a member knows exactly what every cow in his herd is doing.

A Farm Paper of Value

Mr. Editor—I have taken the Mail and Breeze for a number of years, have found it to be a farm paper of value. Mrs. L. J. Wilson. Winfield, Kan.

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THIS OFFER IS NO CATCH. It is a solid proposition to send, on trial, fully guaranteed, a new, well made, easy running separator for \$15.95. Skims hot or cold milk; making heavy or light cream. Designed especially for small dairies, hotels and private families. Different from this picture, which illustrates our large capacity machines. The bowl is a sanitary marvel, easily cleaned. Gears thoroughly protected. Western orders filled from Western points. Whether your dairy is large or small, write us and obtain our handsome free catalog. Address: AMERICAN SEPARATOR CO. Box 1092 BAINBRIDGE, N.Y.



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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.....

Dairying is What We Make It

BY J. A. WILSON,
Director Oklahoma Experiment Station.

Mr. Editor—The first essential for successful dairying is a man who believes in dairying, has faith in a dairy cow and will devote time and thought to feeding her and giving her proper care. I believe it is a fact that the reason more farmers do not maintain a better dairy herd and up-to-date dairy is because they see little in the dairy business. Other lines of stock raising or farming appeal more to them.

Suitable conditions for keeping cows, include a dairy stable, plenty of fresh water, pasture or a substitute feed for pasture and a market for dairy products.

Points of a Good Milker.

A large udder and system of mammary glands is necessary for the formation of milk. A cow of the steer type with flat sides and a straight underline 9 times out of 10 never is a large milk producer, also the greater the development of the udder the more capacity for milk production is indicated. Other important points of type of the dairy cow are a broad forehead, large, clear, bright eye, clean cut head and throat, narrow withers, broad, straight back, large, deep, round barrel, long hip, wide loin, broad and large pelvic arch, straight well set legs, soft, mellow, pliable skin and soft silky coat of hair.

The external appearance or type of a dairy cow does not indicate exactly the producing capacity or production of a cow. It is recommended that with a single individual cow or commercial herd, a record of her production be obtained by weighing the milk at intervals and testing it for butter fat to ascertain her approximate production. Such a record can be obtained by weighing the milk for three consecutive days at the beginning of each month and taking a composite sample for the three days. By having this tested and multiplying the production for these three days by 10, the approximate production for 30 days or the month may be obtained. Stillwater, Okla.

Wisconsin Cows For Kansas

Three carloads of fine registered Holstein cattle from Wisconsin were unloaded at Great Bend, Kan., last week and sold to farmers of Barton county. That is surely a hopeful sign. Three carloads distributed over a whole county may seem like a small start but these animals will mean a solid foundation for many a dairy herd, and as the leaven of old, they will finally leaven the whole lump. Heretofore, Barton has been known as one of Kansas' foremost wheat counties and for several years carried the wheat banner. But evidently the farmers out there are not all married to wheat growing, or if they have been some have been divorced. One of the influences bringing about the change of sentiment in that section of country is the Merritt dairy near Great Bend. For three years

on this farm they have conducted a test to show farmers what cow keeping of the right sort could be made to do. As a result they sold their entire herd of 60 cows and the demand since has been so great that they are unable to keep cows enough to supply the needs of the dairy.

Dairy Discussion Topics

We want Mail and Breeze readers who have made money with cows to swap their experiences and ideas on this page. The list of questions given is merely suggestive, but the best letter on each question will draw a year's subscription to the Mail and Breeze, and every other good letter will be entitled to a premium of some kind. Let us hear from you.

What are your winter feeds for cows that have paid best in milk and cream produced? What is your plan of calf feeding and what do you do with calves to get the most profit out of them?

What is the good word from silo users? Is a silo worth the expense of building and filling on the average farm?

Letters on things to remember in running and keeping the separator in order, are in season summer and winter. Has your separator proved a good investment?

In what way may a farmer in ordinary circumstances best improve on the kind of cows he keeps? If you have a herd of good producers give your experience.

How do you dispose of your dairy products—by selling cream, butter, or milk? If you have the chance to do either why do you follow your present plan?

Describe any hand scheme or "kink" used in choring that shortens or lightens work with the cows. A rough drawing will help out your letter.

What is your biggest problem in the dairy business and how do you solve it? Or if you don't solve it, write it out, and between ourselves and about a host of readers perhaps we can help you out.

Kansas at the Corn Show

Kansas was represented at the Fifth National Corn Exposition by a very creditable exhibit of farm crops prepared by the Agricultural college. Part of this exhibit was made up of the prize corn and other grains of the state corn show at Manhattan. This year's show was held at Columbia, S. C., beginning January 27 and closing February 8. The college and state were represented by W. M. Jardine, director of the Kansas Experiment station, and W. A. Cochel, head of the animal husbandry department at Manhattan. Both men made addresses at the exposition.

A Reader's "Happy New Year"

Mr. Editor—I want to say that all the Mail and Breeze writers have done well this last year. I mean by that, the different departments, especially T. A. McNeal, H. C. Hatch, and M. E. Graves. I don't refer to all the cranks from whom you have received letters as there are a good many people in Kansas who don't know the first principle of hard times. Let them live 100 miles from a railroad, with no money, for about six or eight years. That would be a help to some of them.

G. H. Reynolds.

R. 1, Hazelton, Kan., February 2, 1913.

The place for henhouse cleanings is in the garden.

SEE AND TRY A DE LAVAL CREAM SEPARATOR

Be Your Own Judge

We cannot believe that there is a sensible man living who would purchase any other than a DE LAVAL Cream Separator for his own use if he would but SEE and TRY an improved DE LAVAL machine before buying.

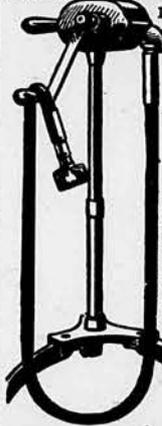
It is a fact that 99% of all separator buyers who do SEE and TRY a DE LAVAL machine before buying purchase the DE LAVAL and will have no other separator. The 1% who do not buy the DE LAVAL are those who allow themselves to be influenced by something other than real genuine separator merit.

Every responsible person who wishes it may have the Free Trial of a DE LAVAL machine at his own home without advance payment or any obligation whatsoever. Simply ask the DE LAVAL agent in your nearest town or write direct to the nearest DE LAVAL office.

The new 72-page De Laval Dairy Hand Book, in which important dairy questions are ably discussed by the best authorities, is a book that every cow owner should have. Mailed free upon request if you mention this paper. New 1913 De Laval catalog also mailed upon request. Write to nearest office.

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

HORSES FEEL YOUNGER AND WORK BETTER WHEN CLIPPED



If your horses are clipped before the spring work begins they will get all the nourishment from their feed—be healthier and look better. They will dry off quickly, be more easily cleaned and feel better generally—that means work better. Use a STEWART'S BALL BEARING ENCLOSED GEAR CLIPPING MACHINE

Not an expense—but a highly profitable investment. It turns easily, does more and closer work than any other machine—can't get out of order. Gears all file hard and out from solid steel bar—protected and run in oil. Includes 6 feet new style easy running flexible shaft and celebrated Stewart's Single-Tension Clipping Head. You can make money clipping your neighbors' horses while yours will do better work. Each machine guaranteed. If it doesn't give perfect satisfaction, return it and get your money back. Complete from your dealer at \$7.50. If he can't supply you send \$2.00 and we will ship one C. O. D. for balance. CHICAGO FLEXIBLE SHAFT CO., 213 Ontario St., Chicago, Ill.

WOOL

LOOK AT THE BIG PILE OF WOOL—A WOOL AND SLICK JOB. Stewart No. 9 Ball Bearing Shearing Machine is a real profit device. Gives 150 to 400 more from each sheep. You know the size of your flock, so figure your profit and you'll find the machine will more than pay for itself the first season. Any boy can run it all day without tiring. All joints ball bearing with ball bearing shearing head. The equipment includes four sets of knives fully guaranteed. Price \$11.00. If your dealer hasn't it send \$2.00 and pay balance C. O. D. Expert instruction on Sheep Shearing FREE.

Power FREE!

I'll Give You the Use of a Genuine Galloway Gasoline Engine on Your Own Farm for Three Months ABSOLUTELY FREE! Read My Great Offer NOW! 1 1/2 H.P. to 15 H.P. \$29.75 Up

Listen! Read this carefully! There isn't one farmer in the country—no, not a single one—who can afford to miss this offer. I positively know this to be the most liberal engine offer that has ever been made. I'll let you take a genuine Galloway Engine—let you pick any size or style you want from 1 1/2 H. P. to 15 H. P.—let you take it right to your own farm for 30, 60 or 90 days' trial absolutely free. Yes, I mean it, absolutely free; you don't take a cent's worth of risk. Don't take anybody's word about a gasoline engine—find out the truth for yourself. Get my engine and put it right to work. Use it just as though it were your own. Test it any way you want to. Make it prove its SUPERIORITY to engines costing two or three times as much! Take your time. I won't hurry you—don't you let anybody else hurry you. If you aren't ready at the end of a month, tell me and I'll let you keep it two or three months longer—all free. Then you'll know! Then you'll either tell me, "Galloway, I know I can't beat your engine at any price"—or you'll send it right back to me and I'll pay the freight both ways, so that you won't be a cent out of pocket!

The Only Way Is the Galloway Selling Direct from Factory to Farm

I'm going to turn the engine world upside down with this offer. It's a wonderful offer—the most liberal engine offer anybody ever thought of. But that's the way I do business. I won't take a man's money until he is thoroughly, absolutely and permanently satisfied. That's why 125,000 farmers say: "The only way is the Galloway."

Here Is the Strongest Proof of All Then I'll Save You from \$50 to \$300! If you do keep the Galloway, you won't have to pay for anything but pure engine value. I'll sell it to you at actual cost to make with just one small factory profit added. I'll save you all the middleman's profits—put \$50 to \$300 in your pocket right at the start.

E. L. Davis, South Gibson, Pa. I wish to say that the 5 H. P. gasoline engine I bought of you has given perfect satisfaction. I have used it on a three-horse threshing cleaner this fall, and have recommended your make of engine to everyone, both in price and quality. Two parties, especially, much simpler than theirs and run just as nice. I will do what I can for your business in my neighborhood.

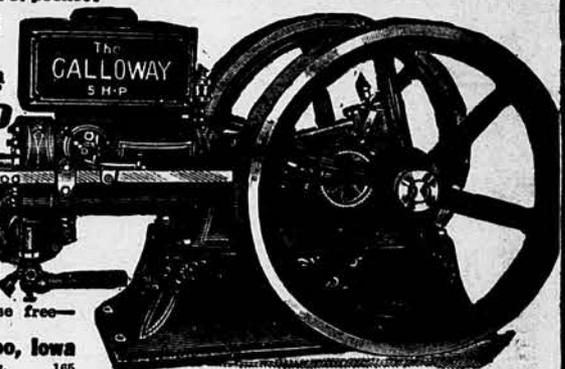
Joe A. Oliver, Seneca, Neb. Received your 5 H. P. engine about six months ago and it has never given me a minute's trouble since. I had an old city block, and a new one, but the Galloway has set it to run, but it isn't built to run.

Em Probst, Kennedale, Texas. I received the engine all O. K. and it is the simplest and smoothest running engine I ever saw. I have been running it over 25 years and I would not give the 5 H. P. Galloway for any one I ever saw. Everyone that sees my engine says it's a dandy. I am running a ten-cow dairy and I run a cream separator, and churn and pump, sausage mill and grist mill and am to get me a wood saw and an emery wheel and grindstones attached to engine. Anyone can run it. I can start it and go about my work, and I want to say it has the best governor that I ever saw.

Special! Get My Great 1913 Proposition It's the biggest, finest thing I ever did. I can't explain it here—I'll have to write you a personal letter. But here's the gist of it. I'll show you how to get a Galloway engine partly or entirely without a cent of cost to you, no canvassing or soliciting either. Get this offer sure.

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We carry Engines in stock at Chicago, Kansas City, Council Bluffs, Minneapolis and Winnipeg. 165





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.

Do Not Come In Heat.

I have a cow and two heifers that were fresh the last of March. One came in heat after I turned her dry. The others haven't yet that I know of. Have had bull with them about 3 weeks. Shall I have to dry the other two?—L. O. M., Rooks county, Kansas.

It is rather unusual to have to dry a cow in order that she may come in heat. I suggest you keep them separate from the male for a time. I do not see that you could adopt any particular line of treatment or feeding in order to bring about this condition.

May Be a Strain.

I have a gelding, to be 4 years in April, that weighs 1,750 pounds. He has trouble in backing since a muddy spell of weather last spring. He moves forward all right but seems to be unable to step backwards with his left hindfoot which he uses very awkwardly. He also has the habit of jerking his tail at the same time. A tenderness is noticeable in passing the hand down the inside of the leg. He was running loose at the time the trouble developed last spring. Are we warranted in going to considerable expense in effecting a cure as he is a horse of extra good conformation? What would you suggest?—H. B., Greenwood county, Kansas.

It is possible that your horse strained itself or it may be a form of corea or stringhalt. The trouble may disappear as the animal gets older. I hardly think any special line of treatment could be followed.

Large Wart On Mule.

We have a mule coming 2 years old that has a large wart on her hindleg midway between hock and fetlock. It seems to be of a cancerous nature, is raw all the time and bleeds. Our local veterinarian has lanced it three different times and put capsules in it but it grows worse. Lately the mule has begun to lose in flesh.—A. L. T., Rice county, Kansas.

It is necessary the wart on your mule's leg should be dissected off. Simply lancing it and putting in capsules will have little value. Judging from your description of the shape I should think that it would be rather an easy operation for a competent man to do. After it is removed the wound should be treated as an ordinary flesh wound.

Chronic Form of Garget.

I have a Jersey cow which brought her first calf at 16 or 17 months old. After milking her 3 or 4 months her milk became

SAVE-THE-HORSE
(Trade Mark Registered.)



THE TIME IS NOW

All the winter long, the troubled owner of a lame horse reads our advertisements. Then, day after day slips away, while he talks, laments, listens, takes advice and hesitating—**FAILS TO ACT**—till the Springtime is on him and his horse is not yet able to work. Meantime the thrifty, prosperous, resolute man, reads, considers the evidence carefully—**Decides Promptly**—and his horse is working in, say, ten days to two weeks. That's exactly what happens every winter.

We Originated the treatment of horses by mail—Under Signed Contract to Return Money if Remedy Fails—and every minute of every day for seventeen years our advice and treatments have been on the way wherever mails go and horses are. Our charges are moderate. Spring work is near; Write.

Our Latest Save-The-Horse BOOK is a Mind Settler—Tells How to Test for Spavin—What to Do for a Lame Horse—Covers 14 Forms of Lameness—Illustrated. But write describing your case and we will send our BOOK—Sample Contract and Advice—**ALL FREE**—to (Horse Owners and Managers—Only.)

TROY CHEMICAL CO 15 Commerce Ave., Binghamton, N. Y. Druggists everywhere sell Save-the-Horse WITH CONTRACT or sent by Express Prepaid

lumpy and full of little strings that looked like pus. Last July she brought another calf. We have milked her since that time and this morning her milk is again lumpy and full of strings.—L. B. F., Altus, Okla.

I think your cow is troubled with a chronic form of garget. Benefit might be derived from injecting a 1 per cent solution of boracic acid into the udder. This treatment should be adopted after the animal is dry as it would render the milk worthless. Even this treatment would require considerable care as the udder is easily injured and considerable trouble might result if great care is not observed.

Ruptured Udder?

After the colt had been weaned two years ago, the udder of my 1,400-pound mare slipped forward 8 inches. Cause unknown unless she was not milked out regularly. Mare is in good health. Would you advise breeding again?—C. C., Littleton, Colo.

Sometimes ruptures of the abdominal muscles occur in mares and some of the contents of the abdominal cavity pass through the opening in the muscles. It is rather unusual for the udder to slip forward. If it is a rupture it would not be advisable to breed the mare as the foal might develop in this part. But if the trouble is confined to the udder I do not see any reason why the animal should not be used for breeding purposes.

Of course if there are structural changes in the udder it might interfere with the production of milk and the only way that you could determine that would be by breeding the mare.

Treat and Train Your Own Horses

Prof. Gleason's Big Book, Given Free To Mail and Breeze Readers, Shows How To Prevent and Cure Most All Livestock Diseases and How To Break, Tame and Train Wildest Horses.

This is an announcement that should interest every reader of the Mail and Breeze who owns a horse or livestock of any kind. Professor O. W. Gleason's great veterinary hand-book is admittedly the most authoritative work of the kind ever published. It contains more than 500 profusely illustrated pages dealing with the cause and cure of practically every disease known to horses, cattle, sheep, poultry, swine, and dogs, with tried out, proved remedies for each disease.

Realizing the need for knowledge such as this book contains we have purchased a large edition from the publishers and are going to distribute the entire lot on a very liberal and very attractive free gift offer among the readers of this paper.

It is impossible in this limited space to name even a very small part of the hundreds of subjects covered in this great book. Gleason's Veterinary Hand Book is based largely upon the works of Robert McClure, M. D., V. S., one of the most uniformly successful veterinarians this country has ever produced. The methods of treating diseases of horses and other domestic animals are based upon the result of actual practice, not mere theory as is the case with most veterinary books.

Among the many important chapters are Causes of Diseases, How to Observe Diseases, Treatment of Diseases, Cerebro-Spinal Meningitis, Distemper, Dysentery, Eye Diseases, Fistula, Glanders, Internal Diseases, Kidney Diseases, Poisons, Stomach Diseases, Bowel Diseases, Worms, etc., etc.

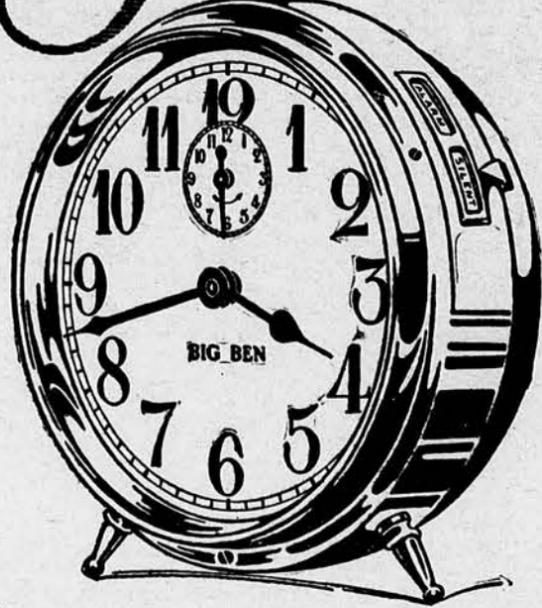
These are but a few of the hundreds of important subjects covered in Part One of this great book. Special chapters are devoted to the cause and cure of practically every disease known to all livestock.

Part Two contains Prof. Gleason's Famous System of Horse Breaking, Taming and Training. Gleason's marvelous skill in training and treating horses is known throughout the entire world and he is considered the world's greatest authority in this field.

By a special arrangement direct with the publishers we are able for a limited time to offer "Gleason's Horse Book" absolutely free—postage prepaid—to all who send \$1.00 to pay for a one-year new, renewal or extension subscription to our big farm weekly. Send your name and \$1.00 at once. MAIL AND BREEZE, Dept. H, B-200, Topeka, Kan.

I give my layers wet alfalfa hay, steamed in a boiler 15 minutes and the flock eats it as they would green grass.—A. R. O., Lawrence, Kan.

Big Ben



Use Big Ben All Day Long

Big Ben not only gets you up on time every morning, but he serves the whole family all day long as a reliable clock to tell the right time by.

He's really two good clocks in one—a crackerjack of a time-keeper—a crackerjack of an alarm.

He can ring you up in the morning just when you want, and either way you want—five straight minutes or every other half minute for all of ten minutes.

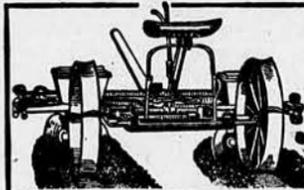
If you're a light sleeper, turn on the half minute taps before you go to bed. If you sleep heavily, set the five-minute call and you can slumber then without the get-up worry on your mind.

Then when you're up and doing, carry Big Ben downstairs into the living room so that the whole family

can use him to tell the right time by. He stands seven inches tall and his great big open face can be seen distinctly across the largest room.

Big Ben is triple nickel-plated and wears an inner vest of steel that insures him for life. His big, bold figures and hands are easy to read in the dim morning light. His large, comfortable keys almost wind themselves. He rings five minutes steadily or ten intermittently. If he is oiled every other year, there is no telling how long he will last.

He's sold by 18,000 watchmakers. His price is \$2.50 anywhere in the States, \$3 anywhere in Canada. If you can't find him at your jeweler's, a money order mailed to Westclox, La Salle, Illinois, will send him anywhere you say, express charges prepaid.



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If you will use a Kemper Disc Furrow Opener on your Planter, we will guarantee you a better stand, cleaner corn, stronger growth, and a bigger yield by ten bu. per acre. Write for catalog to the Walker Mfg., Co., Dept. 6, Council Bluffs, Iowa

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"My Avery Farm Truck is Doing the Work of 3 Teams and 3 Men at Cost of 1 Man and 1 Horse"

That's what one Avery Farm Truck owner writes about the work his Truck is doing. Others are having similar results. No wonder men are selling their horses and getting Avery Farm Trucks to do their hauling and other work. Just think what an Avery Farm Truck does. It hauls 3 tons on its own bed and will also pull a loaded wagon behind. Travels at speeds of from 2 to 12 miles per hour.

Avery Trucks are being used for hauling grain, hogs, sheep, lumber, coal, sand, gravel, crushed rock, milk and cream, fruit and vegetables, flour and other farm and manufactured products. They are money and time savers.

Have special cast steel rim wheels designed particularly for hauling on country roads. No tire expense as with rubber tires.

AVERY Farm Truck

FREE BOOK OF HAULING FACTS Learn about hauling with an Avery Truck. Tell us what you have to haul, how far, how many horses you use, and find out if an Avery Farm Truck will not do your hauling cheaper and quicker. Write for Avery Truck Book, with hauling facts. It's free. Address, **Avery Company, 1011 Iowa Street, Peoria, Illinois** Also manufacturers of Avery "Light-Weight" Gas and Oil Tractors, Undermounted Steam Engines and "Yellow-Fellow" Separators.

An Appeal to the Farmers of America

The farmers who grow sugar beets and the manufacturers who make beet sugar publish the following facts about this industry in order to enlist the public's support in favor of retaining the present tariff on sugar. Read every word of this message! It is important to you—and your children—and to the millions of Americans who are interested in agriculture and its dependent industries. This is a fight between the trusts and the people. *We are with the people*—and we want the people to be with us—we want *your* co-operation and support. Read the rest of this message *now*—then *act promptly*.

The Sugar Trust, in combination with a few other big importers, seeks to have the tariff on sugar removed—with a view to crushing the beet sugar industry of America—their only competition. The sugar importers send millions of American money abroad every year for sugar—the beet sugar industry keeps the money at home, benefiting thousands of American farmers, coal miners, machinists and workmen in many different lines. Removing the tariff will only benefit the Trust and the big importers—it will not permanently lower the price of sugar—no more than did the removal of the tariff on coffee reduce the price of coffee. It will cut the government's revenue enormously and crush a great and rapidly growing American industry that gives employment and support to thousands of American farmers, workmen and business men.

Here are the facts tersely told in eight short paragraphs. Read them carefully and thoughtfully, then fill out and mail the coupon below—today—*now*.

1. All Agitation for a Lower Tariff on Sugar Originated with the Importers of Foreign Sugar. There are

only three large importing interests in the United States, of which the Sugar Trust dominates. They handle three hundred million dollars' worth of sugar annually and fear that the further development of the home beet sugar industry will destroy their monopoly.

2. These Importers Wish to Prevent Further Development of the Home Beet Sugar Industry because home produced beet sugar is their only competition and the only sugar which does not pass through their hands and from which they cannot exact toll from the American consumer.

3. The present tariff on sugar is a large revenue producer for the government and therefore decreases direct taxes. Its net effect on the consumer amounts to only 14 cents a year per capita. To reduce this tariff means perpetuating the monopoly of the importing sugar refiners. To retain the present tariff means the further development of the home beet sugar industry, and, ultimately, cheaper sugar.

4. The Tariff is no Burden to the Consumer, because the price of sugar is lower in the United States than in most other countries, and because 40 per cent of the sugar consumed is used in the manufacture of candy, confections, chewing gum, condensed milk, etc., the retail price of which would not be affected by any decline in the price of sugar. Reducing the tariff would reduce the government revenue without any gain to the consumer.

5. Beet Sugar Production Can Be Developed to Suf-

ply the Entire Demand of This Country. It increased 1500 per cent since the present tariff was enacted in 1897. There are now seventy-two beet sugar factories in the United States, located in sixteen states, extending from Ohio to California, and owned by thirty-nine independent concerns. These factories represent an investment of eighty million dollars and produce over twelve hundred million pounds of sugar, or about one-sixth of the total consumption in the United States. The production of beet sugar benefits the farmers, the workmen, the coal miners, the machine shops and the railroads.

6. The Price of Sugar Has Steadily Decreased Since the Advent of Beet Sugar. Further development will reduce the cost of manufacture and further reduce the price of sugar to the consumer, and will retain in this country immense sums of money that are now sent abroad for the purchase of foreign sugar.

7. Beet Sugar Is the Same Substance as Cane Sugar. It has the same amount of sweetness as cane sugar and can be used for all purposes. Dr. Wiley, while chief of the United States Bureau of Chemistry, declared that there is no distinguishable difference of any kind between refined beet sugar and refined cane sugar.

8. Beet Sugar Industry Needs Tariff Protection. Because it is only partly developed and because farm and factory wages in all other sugar producing countries are less than one-half of the wages for the same work in this country.

For your own present and future welfare—for the welfare of the millions of hard-working farmers—for the upbuilding and encouragement of American agriculture and American industries, you, as a loyal, home-loving citizen of the United States, should, right here and now, enter your most vigorous protest against a reduction of tariff on sugar.

Send Now For This Free Book

We want to send you, FREE, a copy of U. S. Senate Document No. 890, entitled "Sugar at a Glance." Just fill out and mail the coupon below and the book will be sent you free. This book gives you all the facts about sugar and tells you how you can increase the fertility of your land by growing sugar beets. You can then judge the case clearly and help to build up the beet sugar industry of the United States by following the plan outlined to you. Fill out and mail the coupon NOW before it gets lost.

UNITED STATES BEET SUGAR INDUSTRY

Truman G. Palmer,
Secretary United States Beet Sugar Industry,
Washington, D. C.

Please send me the free book—"Sugar at a Glance"—which tells all about the beet sugar industry and explains how I can increase the fertility of my land by growing sugar beets. The name of the Member of Congress from our District is

Hon.

My name is.....

Street.....

P. O. Box.....

or R. F. D. Town.....

County..... State.....



Try a Bluegrass and Clover Lawn

Mr. Editor—Nothing adds more to the appearance of a home than a well kept lawn, which should be the pride of every farm home. Bluegrass and White clover make the finest mixture for lawn seeding in this locality. Evergreen trees and shrubbery planted on the lawn have a pleasing effect. In our lawn there is

bran and Kafir fodder and are running on wheat pasture. At this time they are making 12 pounds of butter per week. But we are going to get better cows that will make more butter, for we have more calls for butter than we can fill. We are looking for a way to get more butter from the same amount of work and feed. We are hesitating between Jerseys and Holsteins, Guern-

justor of the Goodyear Company. "The greatest source of tire trouble is under-inflation." Another thing the man who wants to save expenses should bear in mind, is that 5 per cent added to the weight of a car usually subtracts 15 per cent from the life of the tires. As long as the car owner can with smiling countenance pack eight or nine people in his seven-passenger machine, he must accept the consequences. To save expenses in the long run, the owner should find out the weight of his car, the weights certain sized tires are able to carry; and then equip his car with

the largest-sized tires possible. The small added cost at the beginning will bring him interest in the form of service. Motorists, who have the greatest trouble with their treads wearing out, are ignorant perhaps of the detriment it is to their tires, to bring a car to a standstill within its own length. Slow up gradually. Avoid car tracks and ruts. Don't try to speed over rough roads. Examine your tires often for cuts and stone bruises—fix them up with a little quick repair gum, and you will find them giving twice the mileage they would have given if neglected.



Mr. Schuetz practices what he preaches. Glimpse of lawn and shrubbery which surround his farm home in Richardson county, Nebraska. He recommends bluegrass and White clover as a good lawn mixture.

a variety of evergreens, such as Colorado Blue spruce, Norway spruce, White Scotch and Austrian pine with a rose bud, honeysuckle and other shrubbery. The picture herewith enclosed will give you a glimpse of our yard or lawn. We are all proud of it.
Humboldt, Neb. Arnold Schuetz.

seys and roan Durhams. The only thing we have against the Jerseys is the difficulty in disposing of undesirable specimens.
Mrs. Orville King.

R. 2, Bucklin, Kan.
[Under western Kansas conditions our choice would be Holsteins among the four breeds you are considering. There is no doubt but that they will average more milk than either of the other breeds and in addition they are harder, with the possible exception of the Durhams which are not considered a milk breed.—Ed.]

Commonsense Saves Tire Bills.

"Why will car owners persist in neglecting their tires when the exercise of a little care would save them many dollars a year?" asks B. J. Cox, chief ad-

Save That Hard Work

Save Your Horses, too, and Your Money

Get the machine that operates with least effort—that gives no trouble—that makes more profit—that is so strong, so simple, so durable, as to make it the one perfect spreader.

You take no chances in buying the GREAT WESTERN. Over 100,000 farmers have used them during the last twelve years and swear by the old reliable, time-tried

Great Western

Here is the proved GREAT WESTERN of other years, except that it now has roller bearings and is made low down—waist high—just right—with safe clearance underneath for rough ground, obstructions and top dress on growing corn.

Wheels are under the load—wheel base is short; result, lightest possible draft—easy pull—a saving on horses and harness. Double heavy oak bolster, 16-inch malleable fifth wheel;

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Far More Economical and Satisfactory

Get Our New Spreader Book.

Things We Won't Do

We won't build them light or flimsy or hang the load between the wheels just to save a few inches in height. We won't use a narrow front truck, because you couldn't top dress. We won't cheapen the frame by using light construction with only two sets of rollers, or a half-apron, or any of the cheaper means. We won't build a spreader in a cheap way just to sell, regardless of satisfaction in use. We want you satisfied or no sale, and you will be with the GREAT WESTERN.

Things We Do

We build them right. We put the wheels under the load so as to make light draft. We use a heavy, double front bolster and heavy malleable fifth wheel, so you can't pull the front out. We make a short wheel base so you can turn anywhere. We use roller bearings throughout and an endless roller bearing apron with 102 rollers. We build the "World's Best" Spreader to give you long service and the best work at the lowest possible cost. Ask for new spreader book, it's free.

Rock Island Plow Co., 232B Second Ave., Rock Island, Ill.

Fowl Cholera and Treatment

BY B. F. KAUPP,
Pathologist Colorado Experiment Station.

Mr. Editor—Usually the bird begins to mope, remains on the roost with feathers ruffled, head down, and wings more or less droopy. It becomes weak and diarrhea is present, the discharge being a greenish-yellow color. A sick bird usually lives from three days to a week.

We have studied this disease and conducted experiments with it in chickens, turkeys, and ducks. When the abdominal cavity is opened, the liver will be noted to be much larger than normal, and darker. The spleen may be enlarged. The intestines are congested and may appear inflamed.

As to treatment, the henhouse and yards should be cleaned thoroughly. The house and, so far as possible, the yard, should be sprayed once a day with a 5 per cent solution of carbolic acid, zenoleum or creolin. Birds should be watered from drinking fountains. These should be cleaned and disinfected once a day, using disinfecting solution of same strength as for house and yards. The feed should be given in troughs which are so constructed as not to allow stepping into them. These should be cleaned and disinfected once or twice a day.

As the germs escape from the sick birds from the discharge, the birds, as soon as noticed to be ailing, should be destroyed and burned, or at least separated so as to prevent further distribution of the germs.

As treatment sulphocarbolate tablets containing the sulpho-carbolate of calcium, sodium and zinc, have given us the best results in our experimental work.

Ft. Collins, Colo.

How to Find the Egg-Eaters.

Mr. Editor—Some time ago some of our chickens got the egg eating habit and we had to use extreme measures to break them of it. It took several weeks to do it but it was a success when done. We laid an egg out in the yard and the first hen that picked it was caught and cooped up. Another egg was laid out and the next egg eater went into the same coop. This was kept up until we had all the offenders, which were then boxed up and sent to the butcher.

Cedar, Kan. E. L.

Reliable Poultry Breeders

TURKEYS.

PURE BRED White Holland pullets. Mrs. S. J. Bloxom, Pratt, Kan.

WHITE HOLLAND toms for sale. Mrs. R. I. King, Burlington, Kan.

WHITE HOLLAND turkey toms \$5; hens \$2.50. Mrs. H. Bazil, Lebo, Kan.

FOR SALE—Mammoth Bronze turkeys. A. D. Morrison, Route 2, Iola, Kan.

MAMMOTH BRONZE turkeys, toms \$5.00, hens \$3.50. H. A. Sandborn, Detroit, Kan.

WHITE HOLLAND turkeys. Toms \$4. Hens \$3. W. E. Monasmith, Formoso, Kan.

PURE BRED Mammoth Bronze toms for sale, \$5.00. S. A. Renner, Rush Center, Kan.

BOURBON RED gobblers \$5.00. Eggs in season. Mrs. F. B. Tuttle, R. 2, Chanute, Kan.

MAMMOTH WHITE HOLLAND turkeys for sale. Mrs. Ada Polindexter, Medicine Lodge, Kan.

PURE BOURBON RED turkey toms \$4.00. Mrs. R. O. West, Pleasanton, Kan., R. R. No. 1.

BOURBON RED turkey eggs 25 cents each in numbers of 8 or over. Mrs. M. H. Arnold, Toronto, Kan.

PURE RED BOURBON turkeys for sale. Toms \$4.00. Hens \$3.50. Mrs. Chas. D. Essick, Kanopolis, Kan.

PURE BRED, heavy bone Mammoth Bronze turkeys. Send for prices and turkey pointers. Mrs. Henry Bacheider, Fredonia, Kan.

NARBAGANSETT turkeys. Old gobbler 50 lbs., old hens 27 to 33 lbs., for sale. 1912 hatch. E. R. Foster, Caldwell, Ohio, R. No. 5.

BOURBON RED turkeys. Mostly two-year-old breeders. Standard size and markings. Eggs \$3.00 per 11. Stover & Myers, Fredonia, Kan.

BOURBON RED toms. Good S. C. R. cockerels. Good Red eggs in season from pen range. Insure good hatch. W. P. McFall, Pratt, Kan.

SHIP EGGS by Parcel Post. We sell the cartons. Full description by return mail. Ross Bros. Seed House, 318 East Douglas, Wichita, Kans.

POULTRYMEN'S, stockmen's printing our specialty. Samples. State bred. Parcel post Printing Company, Girard, Kansas.

Reliable Poultry Breeders

LEGHORNS.

PURE S. C. W. LEGHORN cockerels \$1.12, \$1.0. R. Harrison, Jewell, Kans.

SELECT Single Comb White Leghorn eggs \$1.50 per 15. A. N. Peters, Crane, Mo.

PURE SINGLE C. W. LEGHORN cockerels and hens. J. R. Haywood, Hope, Kan.

S. C. BROWN LEGHORN cockerels \$1.00 and eggs \$1 up. H. N. Holdeman, Meade, Kan.

SINGLE COMB WHITE LEGHORNS. Eggs \$1.25 for 15. B. E. Anderson, Foss, Okla.

SINGLE COMB WHITE LEGHORN eggs 15 \$1.00, 100 \$5.00. Royal Yeoman, Lawrence, Kan.

ROSE COMB WHITE LEGHORN eggs. Write for circulars. Jennie Martin, Frankfort, Kan.

PURE Single Comb White Leghorn cockerels \$1.50 and \$2.00. Hugh Harrison, Jewell, Kan.

ROSE COMB WHITE LEGHORNS. Cocks and cockerels from prize stock. A. G. Dorr, Osage City, Kan.

ROSE COMB BROWN LEGHORN eggs 5c each. \$4.00 per hundred. Tillie Wilkins, Miltonvale, Kan.

TOP NOTCH S. C. White Leghorns. Superior layers. Eggs, chicks. Armstrong Bros., Arthur, Mo.

EGGS from pure bred White Leghorns. Both combs. 15 \$1.00, 100 \$4.50. R. J. Edgar, Dodge City, Kan.

ROSE COMB WHITE LEGHORNS. Chicago winners. Chicks and eggs. August Barkmeier, Exeter, Neb.

FOITY Single Comb White Leghorn cockerels \$1.00 up, according to quality. R. E. Davis, Holton, Kan., Rt. No. 5.

PURE BRED S. C. White Leghorn cockerels \$1.00 each. A few specials \$2.00. Adolph Berg, McPherson, Kan.

HART'S Single Comb Buff Leghorns are layers, winners and payers. Prices reasonable. W. D. Hart, Ashland, Mo.

THOROUGHBRED R. C. W. Leghorns of both sexes. Also a few S. Hamburg cockerels. Ray Ditch, Mulhall, Okla.

S. C. WHITE LEGHORNS. Cockerels and eggs for sale. Prize winners. Write Mrs. G. W. Van Horn, Nickerson, Kan.

UTILITY S. C. White Leghorns. Eggs \$1.50 per 15, \$5.00 per hundred. Eugene Bailey, Okla. City, Okla., R. No. 8.

ROSE COMB WHITE LEGHORNS. Thoroughbreds. \$10.00 per doz. Eggs in season. Mrs. G. E. Chittenden, Liberal, Kan.

A FEW very choice S. C. White Leghorn cockerels and hens; mated pens a specialty; prices right. Vira Bailey, Kinsley, Kan.

PURE S. C. White Leghorn cockerels, \$1 to \$3. Bred to lay. College View Poultry Farm, J. E. Gish, prop., Manhattan, Kan.

SINGLE COMB BROWN LEGHORN cockerels from my prize takers. Scoring 91 to 93 1/2 by Helmlich. W. J. Roof, Malze, Kan.

DORR'S prize winning pure Single Comb Brown Leghorns. Eggs \$3.50 per 102; 32 \$1.25. Chas. Dorr & Sons, Osage City, Kan.

SINGLE COMB WHITE LEGHORNS, blue ribbon stock. Cockerels \$1.00. Eggs, chicks. Mrs. Flora Smith, Amorita, Okla., Route No. 2.

SINGLE COMB BUFF LEGHORNS. Cockerels, hens, \$1 and \$2. Prize winners. Eggs \$5 100. Chas. M. Childs, Pittsburg, Kan., Route 3.

HENS ALL SOLD. For sale, high scoring S. C. White Leghorn cockerels. Official score card with each bird. E. L. M. Benfer, Leona, Kan.

S. C. WHITE LEGHORN eggs. 15 from prize winners, \$3.00. Carefully mated pen, \$1.00. Write for matings. Del J. Howard, Chester, Neb.

FOR SALE—S. C. W. Leghorns and White Orpingtons. Bred for eggs. Satisfaction or no sale. Eggs for hatching in season. Chas. S. Bordner, Circleville, Kan.

ROSE COMB WHITE LEGHORNS. Thoroughbreds. Cockerels choice and fine. Just a few left, better order now. \$1.00 each. Mrs. W. E. Masters, Manhattan, Kan.

RANGE RAISED laying Leghorns, S. C. White. High scoring stock with size and quality. This breed my specialty. Stock, eggs. Circular. Alex Spong, Chanute, Kan.

ROSE COMB BROWN LEGHORNS. Winners, Butler, Sedalia, Springfield, Memphis, Tennessee, Muskogee, Okla. Fawn and White Runner ducks. John Johnson, Calhoun, Mo.

H. P. SWERDFEGER'S Brown Leghorns won at Kansas State Show, Jan. 6 to 11, 1st ck., 1st ckl., 1st pen. Cockerels scoring 90 to 93 1/2. Hens, pullets for sale. Eggs \$2.00 per 15. 1144 Forest Ave., Wichita, Kan.

SINGLE COMB WHITE LEGHORNS. Trap-nest bred 10 years for egg production. Silver cup winners Kansas City shows. Utility hens, pullets, \$1.50; cockerels (egg bred), \$2.00. Eggs \$5.00 100 up. Show stock reasonable. Catalog free. Ackerman Leghorn Farm, R. R. No. 5, Rosedale, Kan.

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MOTTLED ANCONAS exclusively. Eggs, 15 \$1.00, 100 \$6.00. Lucie House, Haven, Kan.

PRIZE WINNING Mottled Anconas. Eggs and baby chicks. Circular. W. Hardman, Frankfort, Kan.

13 YEARS a breeder of Anconas from best imported and domestic strains. Eggs. Adaline Gosler, Matfield Green, Kan.

Reliable Poultry Breeders

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PARTRIDGE WYANDOTTE eggs, 15 for \$1.50. T. F. Pine, Lawrence, Kan.

PURE BRED Golden Wyandotte cockerels for sale. A. B. Grant, Emporia, Kan.

PURE BRED Silver Wyandotte cockerels \$1, \$1.50, \$2. Edwin Shuff, Plevna, Kan.

PURE PARTRIDGE WYANDOTTES. Stock and eggs \$1 up. Rosa Carder, Lyndon, Kan.

CHOICE BUFF WYANDOTTE cockerels, eggs and chicks. John P. Ruppenthal, Russell, Kan.

LARGE farm raised White Wyandotte cockerels for sale. Earnest Chestnut, Denison, Kan.

GOLDEN WYANDOTTE cockerels from prize winning stock. M. M. Donges, Belleville, Kan.

WHITE WYANDOTTE cockerels \$1.50 up to \$5.00 each. Mrs. Geo. Downie, Route 2, Lyndon, Kan.

SELECT MATINGS of Regal White Wyandottes. Eggs \$1.50 per 15. J. W. Gray, Chanute, Kan.

FINE WHITE WYANDOTTE cockerels, \$1.00 and \$2.00 each. Eggs for sale. Joseph Nichols, R. 3, Baldwin, Kan.

WYANDOTTE eggs, Silver Laced, \$1.00 for 15, \$5.00 for 100. Columbian, \$2.00 for 15. Mrs. Janie Hunt, Lebo, Kan.

WHITE WYANDOTTE cockerels; fine white birds; \$1.00 and up. Eggs in season. Ideal Poultry Yards, Wayne, Kan.

WHITE WYANDOTTES. Stock and eggs for sale; mating list free. Also fox terrier dogs. Ginette & Ginette, Florence, Kan.

WHITE WYANDOTE cockerels \$2 each. Eggs \$1 per 15. Two settings \$1.75. \$5 per hundred. Mrs. Geo. E. Joss, Topeka, Kan.

SILVER WYANDOTE cockerels. Sired by 2nd Mo., 1911, ckl., also 4th at Topeka, 1911. Arthur Lovendge, Harrisonville, Mo.

WHITE WYANDOTTES. Eggs fifty cents for fifteen, three dollars per hundred. Cockerels \$1.00 each. Alice Sellars, Mahaska, Kan.

SILVER LACED WYANDOTE cockerels from \$2.00 to \$5.00 each. Large, high scoring. Eggs. Elizabeth Littleton, Guymon, Okla.

GOLDEN WYANDOTTES—Winners wherever shown. Eggs \$1.50 and \$2.50 per 15. Cockerels \$1.50. F. O. Rindom, Liberal, Kan.

WHITE WYANDOTTES, Houdans, Indian Runner ducks. Eggs for hatching from prize winning stock. Mrs. D. T. Smith & Sons, Burns, Kan.

SILVER LACED WYANDOTTES. Cockerels and hens \$1.00 each. Fine laying strain. Eggs \$1.00 15, \$5.00 per 100. W. D. Ross, Wakita, Okla.

SILVER LACED WYANDOTTES—Eggs, 15 \$1.00; 100 eggs \$5.00. I guarantee 60 per cent hatch or will duplicate order at half price. Write for circular or order direct. S. B. Dressler, Lebo, Kan.

SILVER LACED WYANDOTTES for sale. Choice cockerels and eggs from choice matings \$2.00 per 15, utility stock \$1.00 per 15. W. A. Hunter, Manhattan, Kan.

EGGS FOR SALE. Golden Laced Wyandottes, Silver Laced Wyandottes, Crystal White Wyandottes, White Crested Black Polish. C. H. Saunders, Winfield, Kan.

GOLDEN WYANDOTTES for 20 years. Indian Runner ducks. The two best and most beautiful breeds. Stock and eggs. Write to J. R. Douglas, Mound City, Kan.

BUFF WYANDOTTES—Booking orders now for eggs and baby chicks. Eggs \$2.50 per 15; baby chicks 25 cents each. Eggs from utility pen \$1.50 per 15. We won first cockerel, second hen and third pen at State Poultry Show. Send for mating list. Wheeler & Wylie, Manhattan, Kan.

LANGSHANS.

PURE BRED White Langshan cockerels and eggs. Mrs. Alice Burkdaal, Lane, Kan.

EXTRA CHOICE Black Langshan cockerels. Write for prices. J. Stulp, Hartford, Kan.

PURE BRED White Langshans, hens, pullets, cockerels, eggs. Mrs. Geo. McLain, Lane, Kan.

BLACK LANGSHAN cockerels. Scored by Rhodes. Eggs in season. Martha Haynes, Grantville, Kan.

PURE BLACK LANGSHAN cockerels. Fine birds. Pleasant View Farm, John Boite, Axtell, Kan.

BLK. AND WHITE LANGSHAN. Choice mating eggs \$3.00 15; range flock, \$6.00 100. H. M. Palmer, Florence, Kan.

48 EXTRA FINE Buff and Black Langshan cockerels \$1.50 to \$3.00 each. J. A. Lovette, Mullinville, Kan.

BLACK LANGSHAN, Houdan cockerels two fifty to five dollars each. Write for mating list. E. D. Hartzell, Rossville, Kan.

BLACK AND WHITE LANGSHANS for sale. Both sexes. Write for prices. Satisfaction guaranteed or money refunded. Frank A. Vopat, Lucas, Kan.

OUR BLACK LANGSHAN cocks and cockerels are larger and better than ever before. Write for prices. Geo. W. Shearer, Elmhurst Farm, Lawrence, Kan.

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SINGLE COMB BLACK MINORCA cockerels, \$3.00. A. L. Liston, Garden City, Kan.

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RHODE ISLAND REDS.

S. C. REDS. Eggs and baby chicks. Mrs. P. D. Spohn, Inman, Kan.

ROSE COMB RED cockerels. Write for price. Mrs. Dick Fox, Larned, Kan.

S. C. RED cockerels, score cards furnished. Gertrude Haynes, Meriden, Kan.

SINGLE COMB R. I. REDS. Cockerels \$1 each. Mrs. J. W. Williams, Olivet, Kan.

15 ROSE COMB Rhode Island Red eggs \$1.50 delivered. James Clifton, Russellville, Ark.

SINGLE COMB REDS. 100 eggs \$3.50, 30 \$1.25. Mrs. Rosa Janzen, Geneseo, Kan., R. 3.

ROSE COMB REDS. Cockerels and eggs from prize winners. L. Shamteffer, Douglas, Kan.

CHOICE S. C. R. I. RED cockerels \$5 each. They are worth it. J. B. Hampton, Colby, Kan.

ROSE COMB RED cockerels, good ones, \$1.50 up. Prosperity Poultry Farm, Barnes, Kan., R. 1.

THIRTY ROSE COMB cockerels for sale, \$1 each. Six for \$5. O. M. Lewis, Holsington, Kan., R. No. 1.

ROSE COMB REDS. Exhibition and utility strains. Prices reasonable. Mrs. Abbie Rleniets, Pratt, Kan.

CLEARANCE SALE—R. C. Reds, pullets, hens and cockerels. Prices right. Mrs. Susan Wedd, Oakhill, Kan.

R. C. RED cockerels; few Single Comb; good ones; \$1.50 to \$3.00. Eggs \$1.00. L. G. Brown, Wilson, Kan.

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F. B. SEVERANCE, Lost Springs, Kan. Breeder of Rose and Single Combed Rhode Island Reds. Free mating list.

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PURE BRED Single Comb Rhode Island Reds. Cockerels also. Eggs \$1 per 15 or \$5.00 per 100. Emma Wilson, Route No. 3, Topeka, Kan.

ROSE COMB Rhode Island Reds. Bred to win; bred to lay. Stock and eggs for sale. Write for our free mating list. Toal & Toal, Cedar Vale, Kan.

RHODE ISLAND RED eggs of quality, winners of five 1st prizes at the Kansas State show. Get my prices before buying. A. M. Butler, Wichita, Kan.

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FOR SALE—Mammoth Pekin drakes. William Bradley, Garnett, Kan.

FRETZ'S INDIAN RUNNER ducks. Stock for sale. J. W. Fretz, Bosworth, Mo.

INDIAN RUNNER ducks; \$1.00 each; eggs in season. Celestia Easley, Exeter, Mo.

INDIAN RUNNER ducks and drakes. White egg strain. Lotta List, Lenexa, Kan.

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

WHITE EGG strain, Fawn and White Indian Runners. Eggs \$1.00 per 13, \$5.00 per hundred. Sharp, Iola, Kan.

INDIAN RUNNER drakes. American Standard fawn and white. Satisfaction guaranteed. R. Harrison, Jewell, Kans.

INDIAN RUNNER ducks, all kinds, and Golden Wyandottes. The two best and most beautiful breeds. J. R. Douglas, Mound City, Kan.

INDIAN RUNNER ducks, American Standard light Fawn and White. Prize winners. White eggs, \$1.50 per 15, \$4.00 per 50. Mrs. D. A. Pryor, Route 3, Fredonia, Kan.

WHITE INDIAN RUNNER ducks (Fished strain). Always lay white eggs. Three dollars per 10. A few nice drakes at two dollars each. A. E. Kroth, Havensville, Kan.

INDIAN RUNNER ducks, scoring to 97 1/2. Stock \$1.50 and up. Eggs \$6.00 per 100 and up. All stock guaranteed. Write for booklet and guarantee. Dr. Haskell, Garden City, Kan.

INDIAN RUNNER ducks. Fawn and White. White egg strain. 13 for \$1.25. Kentucky's best Barred Plymouth Rock eggs 15 for \$2.50. Lee Threlkeld, Hampton, Ky.

PURE FAWN, prize winners, Indian Runner and Imperial Pekin drakes at \$1.25 each, also eggs from both. Pekin \$1.00 per 12. Runners \$1.50 for 15. Mrs. Iona E. Koonitz, Haven, Kan., R. R. No. 1-64.

FAWN AND WHITE Indian Runners, white eggs. Yard A, exhibition quality, \$2.50 per 15; Yard B, \$1.50 per 15, \$4.00 per 50, \$8.00 per 100. Pure White Runners, eggs \$3.00 per 12. Stover & Myers, Fredonia, Kan.

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PRIZE WINNING Black Spanish eggs and baby chicks. Also Black Tailed Japanese Bantams. Stamp for circular. Chestnut, Centralia, Kan.

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BARRED ROCK cockerels \$1 up. Mrs. R. S. Fish, Waverly, Kan.

WHITE ROCK cockerels. Fishel strain. Anna Nelson, Roxbury, Kan.

BARRED ROCK eggs, 15 \$1.25, 100 \$5.00. Mrs. John Yowell, McPherson, Kan.

BUFF ROCK cocks and cockerels \$1.50 to \$5.00. M. E. Stevens, Humboldt, Kan.

BEST EGGS for hatching, Barred Rocks, \$5 per 100. Mrs. Albert Goheen, Manhattan, Kan.

WHITE ROCKS. Free range. Eggs, 15 75c; 100 \$3.00. H. F. Richter, Hillsboro, Kan., R. 3.

WHITE IVORY strain Rock cockerels \$1.00 to \$2.00 each. Wm. Ritter, Troy, Kan., R. No. 2.

BARRED ROCK eggs, \$5.00 per hundred. Write for catalog. Harry E. Duncan, Humboldt, Kan.

PARTRIDGE ROCKS exclusively. 16 eggs \$2.00, 50 \$5.00, 100 \$8.00. Stella Weigle, Winfield, Kan.

BLUE BARRED ROCK eggs; prices reasonable, considering quality. Write Milton Deihl, Lawrence, Kan.

BUFF ROCK cockerels from silver cup winners for sale. Reduced prices. R. M. Fevury, Easton, Kan.

WHITE AND PARTRIDGE ROCKS. Large vigorous fellows. Western Home Poultry Yards, St. John, Kan.

WHITE PLYMOUTH ROCKS—Eggs from show winners \$1.50 per 15, 100 \$5.00. W. H. Beaver, St. John, Kan.

PURE BRED White Plymouth Rocks; beauties. Eggs for hatching. Mrs. Elmer Lane, Burlington, Kan.

EGGS from full blood White Rocks \$1.25 per 15. Cockerels \$2.00 each. Mrs. John Ramsey, Fort Scott, Kan.

PURE BARRED ROCKS. Cockerels \$1.50. Hens \$1. Eggs \$1 per 15, \$5 per 100. Mrs. H. Buchanan, Abilene, Kan.

FOR GOOD BARRED ROCKS, either sex, write to Frank McCormick, Morrowville, Kan., Route No. 3, Box 12.

BARRED ROCK cockerels \$1.00. Eggs \$1.00 per hundred. Fine large birds. Chas. Cornelius, Blackwell, Okla.

WHITE ROCKS. Fishel strain. Eggs—15 \$1.25, 100 \$5.00. A few cockerels. Mrs. Frank Powell, Buffalo, Kan.

BUFF ROCK bargains. Fine stock at reasonable prices. 50 eggs \$4.00. Write me. W. P. Alden, Ellsworth, Kan.

BIG TYPE BARRED ROCKS. Thirty-five years' scientific breeding. Eggs and stock. A. H. Duff, Larned, Kan.

WHITE ROCKS. Big boned cockerels, eggs and chicks. Farm raised. Prize winners cheap. B. E. Miller, Newton, Kan.

BUFF ROCK eggs by parcel post from quality stock at reasonable prices. Write today. William A. Hess, Humboldt, Kan.

WHITE IVORY ROCKS. Two pens mated from prize winners past season. Settings reasonable. A. F. Holmgren, Nickerson, Kan.

PURE White Plymouth Rocks. Cockerels, large, fine shape, bay eyes. Write for particulars. H. F. Leonard, Girard, Kan., R. No. 7.

EGGS FOR HATCHING from pedigreed Barred Rocks, \$1.50 per 15. Express paid. Mating list free. Gus Schoback, Atchison, Kan.

BARRED ROCKS—Weigher-layer. 103 premiums. Eggs \$1.00 15, \$5.00 100. Special matings \$3.00 15, \$5.00 30. W. Opler, Clay Center, Kan.

EGGS! EGGS! Pure White Plymouth Rocks. Good layers, \$5.00 per 100. "Fishel strain" \$1.50 per 15. Mrs. Wm. Lemkuil, Fairfield, Neb.

PURE BRED Barred Plymouth Rocks exclusively. Pen and range eggs. Baby chicks. Write for mating list and prices. Mrs. C. N. Bailey, Lyndon, Kan.

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There's no better feed than hard boiled eggs for the new chicks' first feed.

When once set, the incubator does not have the privilege of changing its mind as does old Biddy.

The best thing I know of to keep poultry healthy is cleanliness.—Mrs. M. B. D., Lebanon, Kan.

The farm family that gives proper attention to chickens, garden, and cows, is always provided for.

A good idea of the health of the flock may be gained by noting the condition of the droppings.

The person who is in too big a hurry to feed newly hatched chicks usually has "bad luck" with them. They need and should have nothing to eat until 36 to 48 hours old. Nature looks after them that long.

More Exercise, More Eggs. Mr. Editor—It seems to be quite a problem with many poultry keepers to get eggs in winter but there is really no secret about it. One needs only to apply common sense and good judgment. My experience for the last 10 years has taught me that the essentials are a healthy, vigorous flock, made as comfortable as possible, day and night, and fed with a good variety of food to make eggs. I find it better to feed often and little at a time. Give their feed in such a way as to make them exercise to get it. The more exercise they get the healthier they are and the better they will lay. J. N. Burton. Hutchinson, Kan.

Winter Bill of Fare for Layers. [Prize Letter.]

Mr. Editor—My way of caring for the flock so as to get the largest number of eggs possible in cold weather is first to have a good warm house, open on the south, well ventilated, clean and sanitary. The house has litter on the floor in which they get their grain. In addition they have a feed of steamed oats in the morning. At noon they get Kafir on the head, and at night they have whole corn warmed up. They have access at all times to a hopper of bran and beef scrap, and another of grit, charcoal, and oyster shell. When cold I warm their drinking water and do not let the flock out unless the weather moderates. The secret of winter eggs is to keep the hens busy, keep them from getting chilled, and feed a good variety of egg making food. By these methods I have been getting eggs all winter. Albany, Mo. Mrs. W. J. Rye.

Does Heat Aid Bowel Trouble? [Prize Letter.]

Mr. Editor—We have used an incubator for three years, getting three hatches each spring and two in the fall. I have never failed to get a fairly good hatch. The first year I followed the instructions given as closely as possible, keeping the temperature at 101 the first week, 102 or 103 the second week, and

103 to 104 the third week. The instructions stated that the heat might go up to 106 or 107 for a short time without injury. This has happened to me and I have gotten a big hatch but in a few days a large per cent of the chicks would droop and die. The same kind of eggs hatched under hens at the same time turned out strong, healthy chicks, which was proof that the trouble was due to overheating.

We learned a lesson from the old hen. Nature has given her the right temperature and she can't make the eggs too hot. The last 18 months I have brought off several hatches at much lower temperatures. I try to keep the heat at about 100 the first week, and never higher than 101. As everyone knows, the heat will rise at the time the chicks are hatching, and that is the time I am careful not to let it go too high.

I turn the eggs once every day until the 18th, and air them about 30 minutes each day. One thing that is important is to have good oil in the incubator lamp. When the chicks hatch we remove them to a basket on top of the incubator where they may dry. They are then given to hens to raise.

Since hatching at the lower temperature our chicks do not die as they used to and have not had a single case of bowel trouble in our chicks. We have neighbors who have tried running their machines at lower temperatures and they have had the same results. We think the incubator is to blame for bowel trouble, and our experience seems to prove that the high temperature is at fault. Whatever it is, it is something the incubator does that the old hen is not capable of. Mrs. R. L. Barlow. Vinita, Okla.

Silage a Good Green Feed. Mr. Editor—I believe we do not value the use of straw in and about the poultry house as we should. Here in Kansas we have plenty of it and it can be used freely in yards and scratching sheds. There is a good deal of grain left in the straw to induce the flock to work over it and when they have their grain thrown into it they will scratch in it most of the day. We keep straw in all our scratching sheds and on the floors of roosting houses. This is changed every week. Four times a day we scatter warmed Kafir and wheat in this litter. This keeps them busy and warm, and comfortable. A fowl that must stand on a cold earth floor all day is not comfortable and lack of comfort soon tells on the layer. We are now feeding silage to our flock in addition to other feeds and find it to be equal to ground alfalfa. W. D. Mast. R. 5, Hutchinson, Kan.

Mrs. Horner Buries the Hatchet. Dear Sir: "I noticed Mrs. Selberg's remarks in your recent issue, and if it will help others you may say, I have used Walker's Walko Remedy seven years. I used to have lots of trouble with Roup until I found this remedy. I have cured cases that were frightful, but I don't have any trouble any more; I give it right along as a preventive. If my birds catch cold or are exposed, I give a little in the drinking water and it stops it right away. I use it also for bowel trouble in little chicks—it's the best thing I ever saw. It prevents bowel trouble or white diarrhoea; makes them grow stronger and feather quicker." Readers can get it by sending 50c (M. O.) to the Walker Remedy Co., L3 Lamon, Iowa.—Mrs. Lou Horner, Davis City, Iowa.—Adv.

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The well-known poultry authority, Reese V. Hicks, has written an intensely interesting and practical book that should be in the hands of everyone interested in raising poultry. This book, "Tricks of the Poultry Trade," tells three methods of selecting the laying hen; a sure and certain method of selecting eggs for hatching; how to raise 500 chickens on a lot 30 by 40 feet; how to build a natural hen incubator; how to build feed hoppers and fireless brooders; how to make feed at 10 cents a bushel; how to make winter egg ration, poultry feeds and tonics, egg preserver, louse killers, etc. All these and many more subjects are fully covered in this great book which we're giving away FREE on this plan:

OUR OFFER: We will give you one year's subscription to our big weekly farm Magazine, Farmers Mail and Breeze, one year's subscription to Poultry Culture, the best Poultry Journal in the West, and one copy of this great book of poultry secrets—all for only \$1.25. State whether you are an old or new subscriber. Address at once, Mail and Breeze, Dept. PC-10, Topeka, Kansas

Crop Profits

Can Be Doubled Where the "Leader" Does the Plowing

If your farm is no larger than 100 acres you can make profits with a Leader Tractor. It operates on lowest fuel and upkeep expense, (Gasoline or Kerosene) and enables you to plow deep and turn the virgin sub-soil that makes bumper yields. Send for our "Book of Farm Power," see the illustrations and learn all about

The LEADER Farm Tractor

For 100 Acres or More

It will pull plows up a 15% grade. Big cast iron tractors can not do this alone; it will travel wherever horses can go. Weighs only 2½ tons and has drawbar pull of 3000 pounds. Cost no more than 4 or 5 horses but will replace 10 or 12. Eats only when it works. Costs no more to keep than 3 or 4 horses. Saves its cost inside of 18 months on 100 acres or more. For belt work furnishes steeper and better power on 10 to 50 per cent less fuel than ordinary engines. No big fly wheels—all power goes to the belt. Built of highest quality crucible and nickel steel—guaranteed. Write for book today—NOW.

LEADER ENGINE COMPANY, Box 113 Grand Rapids, Michigan

Make Kansas the Poultry State

WILL YOU HELP?

This is the aim of a new statewide poultry organization in Kansas. Though the organization is less than 30 days old as these lines are written, several hundred poultry raisers from every section of the state have sent in their membership dues for the first year, and have pledged their services in helping to extend the organization. It is freely predicted that by the time of the first annual convention there will be 2,000 members.

Kansas leads the world in the production of winter wheat, Kafir and alfalfa, three of the world's best poultry foods. Kansas averages 296 days of sunshine per year—the ideal kind of weather for poultry. Kansas poultry raisers are within a night's run of five of the largest poultry and egg markets in the country—Denver, Kansas City, St. Louis, Omaha, and Chicago. These factors, combined, make Kansas potentially the greatest poultry state in the Union. To make her that in fact is the sole purpose of The Kansas Poultry Federation, the new organization launched during the recent poultry show at Leavenworth.

Not For "Fuss and Feathers".

The constitution adopted by the federation provides for the thorough organization of the state, with the county as the unit of organization. The presidents of the several county branches will form an advisory board, and will elect an executive committee to be composed of one member from each congressional district. This puts the organization on a strictly representative basis so that it cannot fall into the control of a few men in any one part of the state.

The Kansas Poultry federation will not be a "fuss and feathers" organization devoted exclusively to the fancy side of the poultry business. While an annual statewide show and convention will be held under its auspices, as well as shows and poultry institutes in the various counties, yet its activities will be directed mainly along four distinct lines—organization, education, legislation, co-operation.

The following temporary officers and

Big Business for Poultry Advertisers

Never before so early in the season have we had so many letters telling of profitable results from our poultry advertising columns. It must mean that poultry breeders are having a splendid season and it must mean that Farmers Mail and Breeze which carries more poultry advertising than any other farm paper in the country is maintaining its great reputation as a poultry advertising medium. The best poultry advertising season is just ahead of us. Is there any reason why you should not get the kind of results other poultry advertisers are getting?

SOME 1913 LETTERS.

I am sold out and have to return orders. Good stock and Farmers Mail and Breeze are the combination that do the business.—Geo. Bingham, Bradford, Kan., Jan. 30, 1913.

As an advertising medium your paper exceeds anything I have yet used. My old ad ran out and I have been so busy answering inquiries that I have not had time to write new copy. It surely is a business getter. Run the following ad and find check enclosed.—E. Frank Youngs, Howard, Kan., Feb. 1, 1913.

I am sending you an ad to take the place of the one now in the paper. Am about cleaned up on cockerels. Have had good success with the ad. Inquiries for eggs are coming in already. I look for good business.—C. C. Lindamood, Walton, Kan., Jan. 30, 1913.

I have sold all my cockerels. I think Farmers Mail and Breeze a great paper to advertise in.—Mrs. W. R. Stump, Blue Rapids, Kan., Feb. 1, 1913.

It was with misgivings that I placed my first poultry ad in Farmers Mail and Breeze several years ago, but I can say now that it has proved a splendid medium. It brings me more business than I can handle. I have found Farmers Mail and Breeze very reliable.—Mrs. Tillie Wilkins, Miltonvale, Kan., Jan. 24, 1913.

If you want more proof, ask for it.

Circulation Over 104,000 Copies Each Issue Absolutely Guaranteed

We have a special, low rate for poultry advertising. Write for it to

Farmers Mail and Breeze
Topeka, Kansas

Can You Succeed With Chickens? Sure! If You Use the RAYO Incubator

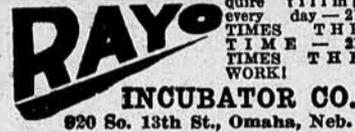
Only two minutes a day! That's all the time you need to give to operate the REALLY WONDERFUL RAYO INCUBATOR. Think of it! Splendid hatches. Strong, healthy chicks. No muss. No dirt. No grease. No smoke. No odor or trouble. Fill oil tank JUST ONCE. One-fifth the oil the other incubators use! Isn't that REALLY WONDERFUL? Yet it's absolutely true. Mahogany finish—good enough for the parlor, or to stand next the piano! More improvements than any ever made. Lasts a LIFETIME and PAYS FOR ITSELF EVERY HATCH! Bought for six years by TEN THOUSAND enthusiastic women.

Hatches on 1 Gallon of Oil Others Use 3 to 5 Gallons

You don't need to worry about having the heat just right. The RAYO tends itself! Regulates to a thousandth of a degree! Isn't that really wonderful? IT WATCHES ITSELF! The automatic flame regulator does this. Other incubators have to be watched all the time or they chill the eggs or overheat them. YOU LIGHT THE RAYO AND LEAVE IT—AND DON'T NEED TO WORRY! The flame regulator saves heat—makes a hatch on a gallon. Others waste heat, and take 3 to 5 gallons of oil every hatch!

Fill Oil Tank Once a Month Others Need Filling Daily

The RAYO is the only incubator that CAN use a big enough oil tank to last a MONTH! Do you get that? ONE FILLING TO A HATCH! Absolutely the only one! Others, with their two-by-nothing tanks, require filling every day—21 TIMES THE WORK!



RAYO Patent Hatching Chart Insures Successful Hatches

The most remarkable guide to hatching success ever invented! It tells you, day by day, exactly what temperature is required, what details are to be attended or watched, when to turn eggs, when to cool them and when not to. It is not given or sold with any other incubator. This chart and a \$1.50 hygrometer FREE with every RAYO.

No Stoooping With the RAYO

Bending over is HARD WORK. The RAYO is the only incubator with exclusive patents that enable it to use the transparent glass top. YOU CAN LOOK AT THE EGGS WITHOUT STOOPIING! No more of the out-of-date small side doors! SAVE YOUR BACK!

Get FREE Catalog and Low, Factory-to-You Price

Learn why the RAYO is ten years ahead of all others! It quotes low, direct-from-factory-to-consumer prices—33 1/3 per cent less than we could sell the RAYO through dealers—and WE PAY THE FREIGHT. Write today for FREE Catalog No. 13.



We Pay Freight

executive board will serve until the first annual convention. They will be recognized as among Kansas' most progressive and successful poultrymen: President, C. J. Page, Salina; vice president, N. R. Nye, Leavenworth; secretary-treasurer, L. H. Wible, Chanute; executive committee, First district, H. C. Short, Leavenworth; Second district, William A. Hess, Humboldt; Third district, A. C. Barnsdorf, Parsons; Fourth district, W. S. Binkley, Clay Center; Sixth district, Charles C. Fair, Sharon; Seventh district, W. K. Heaton, Larned; Eighth district, Charles E. Smith, Bayneville.

Whether this new organization will be able to make Kansas the greatest poultry state in the Union depends entirely upon the co-operation of the poultry raisers of the state regardless of whether they are breeding purebred poultry for fancy points, or for utility qualities. The Mail and Breeze has hundreds of readers who should give the new organization the support their membership would confer, thus assisting in the advancement of one of the state's greatest industries. You can do this by simply sending 50 cents to Secretary-Treasurer, L. H. Wible, Chanute, Kan., and you will receive your membership card by return mail.

How They Manage Back In Ohio.
[Prize Letter.]

Mr. Editor—I have heard farmers contend that it did not pay to make any effort toward getting a flock of chickens to lay in winter if they didn't want to, and their arguments had some foundation of truth in them. They claimed that hens must rest at some time during the year and the winter was the natural time for it. They reasoned that the few eggs to be gotten from them would not pay for the high priced bran, shorts, beef scrap, patent egg foods and other fussiness.

I believe it is possible to stimulate hens to lay in winter without the use of these fancy feeds and my experience seems to prove it. I keep only a small flock of 1-year-old hens. Last August I began to crowd them with rich food and soon had them molting so that by October they were well shed off. They began laying November 1 and 75 per cent of them have laid all winter since. Their feed has been shrunken wheat, mostly screenings, corn, oats, table scraps, and every day I hung a head of cabbage up for them to work on. Oyster shells and grit were before them all the time.

The flock has warm quarters but ventilated so as to cause no drafts. Provision is made for dust baths, and the floor is thickly covered with leaves where the birds must scratch for their grain. Fresh water is provided every day. The house is kept scrupulously clean. In short, the secret of winter eggs is early molting, a variety of feed with something green in it every day, and clean, comfortable quarters.

E. P. Snyder.

Huron county, Ohio.

The Fostoria Incubator

This incubator has been thoroughly tested in the hands of users and has proved its superiority. It is made of the best redwood lumber and is worth the price. It has a double acting regulator that acts quickly, surely and always. Equipped with Tyco's thermometer, the best made. It requires less oil. A special feature is the alarm which makes care of the machine easier and is another check on the temperature. No, it isn't fool proof, but if handled according to simple instructions it will hatch the hatchable eggs. Find out all about the incubator made in the good state of Kansas. Two sizes, 150 and 200 eggs. 30 or 60 days' trial. Money back if not satisfied. Send for the free catalog.

FOSTORIA INCUBATOR COMPANY,
B Street, FOSTORIA, KANSAS.



KANSAS MADE

FREE EGGS FOR HATCHING

Let Us Start You With Pure Bred Poultry

or help you improve the flock of Purebreds you already have. We have a plan whereby you can easily secure a setting of any variety, without cost. Here is a rare opportunity for any boy or girl, man or woman who wants to get started in the Purebred Poultry Business. A postal will bring full particulars.

Poultry Culture, 111 Capper Bldg. Topeka, Kan.

2 Big-Value Clubbing Offers Good During FEBRUARY ONLY

In order to obtain 10,000 new subscribers or renewals to our paper during the month of February, we are making two exceptionally liberal clubbing offers which include our own paper and your choice of a number of other papers—each the best in its class—at just about half the regular subscription rate. Either of the two combination offers given below will provide a year's choice reading for all the family at a very special clubbing rate, which is good only during the month of February. Select one of these offers, and send in the coupon at once.

The combination must be just as given below—no changes can be made on these terms.

THE MAIL AND BREEZE, of which nothing need be told our own subscribers or those reading this copy of the paper. It speaks for itself.

POULTRY CULTURE, a "chicken magazine" full of practical, pertinent and terse talk about the scientific money-making side of poultry raising. Edited by Reese V. Hicks, considered America's greatest poultry expert.

KANSAS WEEKLY CAPITAL is the largest and best weekly newspaper published in the state. Its pages are full newspaper size and are filled with the latest Kansas and state capital news items. Washington

correspondence, good stories, market reports, etc.

HOUSEHOLD MAGAZINE, a large family magazine containing the choicest stories and departments of particular interest to lady readers. An entertaining, instructive publication for all the family, 24 to 48 pages each month.

THE VALLEY FARMER, an independent, reliable farm journal, unique and original in its methods, and immensely popular with thousands of farmers in every state in the West; well edited departments for Livestock, Poultry, Veterinary, Horticulture, Dairy, Field Crops, etc.

USE THIS ORDER FORM

MAIL AND BREEZE, Topeka, Kansas.
Enclosed find \$..... to pay in advance for One Year's subscription to all the papers named in your offer No.....

NAME.....

Postoffice..... State.....

R. F. D..... Box No.....

Offer No. 1 } All 4 for \$1.10
Mail and Breeze }
Weekly Capital }
Household }
Valley Farmer }

Offer No. 2 } All 5 for \$1.25
Mail and Breeze }
Household Magazine }
Kansas Weekly Capital }
Poultry Culture }
Valley Farmer }

KEEPS DOWN OPERATING COST

INGECO FARM ENGINES keep down fuel cost. At the high price of gasoline that is a big item. A poor engine will eat its head off. A good engine will save its original cost in a short time. INGENCO ENGINES are great fuel savers.

The smooth running INGENCO ENGINE with its large bearings and accurately fitted parts will run for years after other engines have gone to the scrap heap—yet they cost no more.

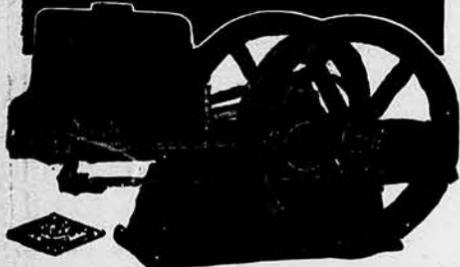
Made in 1 1/2, 2 1/2, 4, 6, 8, 10 and up to 60 h. p.—Stationary and Portable types.

Write for catalog and particulars about "INGECO" ENGINES. Let us tell you how to pick out an engine suited to your needs.

INTERNATIONAL GAS ENGINE CO.

1622 Northhoff Pl., Cudahy, Wis. (Suburb of Milwaukee)

"INGECO" ENGINES



OVER 500 of My Farmer Friends

Visited Me Last Week at Waterloo

I entertained them at our \$60,000 Agricultural Club built for farmers and their families. I want every farmer who possibly can to come to Waterloo. The moment you step off the car at Galloway Station you are my guest—and you see everything at my expense. Come!

Rare Bargains Here!

Tremendous savings in Engines, Spreaders, Separators, Harrow Carts, Planos, Sewing Machines, Incubators, Furniture, Rugs, etc. You can have a splendid vacation, free entertainment while here, and go home with money ahead on what Galloway Factory-to-Farm prices save you.

Make the Trip Now!

Treat yourself to this vacation trip while you can spare the time. Bring your wife along. Plenty to see and do here. A beautiful clubhouse filled with every attraction—music, splendid meals, home-like, comfortable sleeping rooms—everything to make you enjoy every minute as my guest—all FREE to you. Make up your mind to "Come to Waterloo"

I'd like mighty well to show you over my big Model Dairy Farm—a real business plant—stocked with the finest pedigreed animals and fitted up with every convenience and profit maker known to modern business farming.

Wm. Galloway, Pres. Wm. Galloway Co. 20A Galloway Station, Waterloo, Iowa

MEN WANTED IN AUTO BUSINESS

Big demand for trained men. Earn from \$75.00 to \$150.00 per month. Learn all about automobiles in six weeks by THE "SWEENEY SYSTEM"

of practical experience. In our machine shop, garage and on the road you learn by actual experience how to repair, drive, demonstrate and sell automobiles.

FREE—Write today for catalog and certificate, entitling you to free \$50 course in running traction engines—we own two tractors. Only auto school in the world teaching traction engineering. Send name today.

SWEENEY AUTO SCHOOL, 1300 Woodland Ave., Kansas City, Mo.

FREE WATCH RING AND CHAIN

We positively give free a beautiful, gold-finished, engraved American made, stem wind, stem set watch, proper size, guaranteed five years. Also a beautiful ring set with three diamond cut brilliants for selling 20 jewelry articles at 10c each. Order jewelry today. When sold send \$2, we will send watch, ring, chain.

ARDEN WATCH CO., Dept 59 Chicago

MOTSINGER GUARANTEED AUTO-SPARKER

(Better than an everlasting battery.) Will generate current for ignition, an electric lights, charging storage, batteries, etc. Suitable for all types and sizes of gas and gasoline engines. LET US TELL YOU HOW TO MAKE YOUR OWN ELECTRICITY MOTSINGER DEVICE MFG. CO., 709 Logan St., La Fayette, Ind.

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 NO 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.

M. A. SLOAN, 52 Epitaniot Building, SPENCER, INDIANA

What Farmers Are Thinking

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

Right Kind of Adviser Would Help.

Mr. Editor—The farm adviser in my opinion would be a great help to the farmers if he is not so egotistical that he thinks he knows it all. When it comes to co-operation with the farmers, some of them remind me of a team of mules that are running away—they spread out as far as they can, leaving as much space between them and the tongue as possible.

Russell, Kan. F. S. Burson.

The Central School Needed.

Mr. Editor—The average middle-aged farmer who has the welfare of his children at heart, wants to get near a good town school. He thus creates a fictitious value on farms adjoining towns and a consequent sacrifice in the value of the outlying farms which have an equal producing value. Give this farmer good school facilities, such as are made possible by the central school plan, and with his automobile, telephone and mails this farmer will not feel envious of the farmer living on a farm adjoining town nor of the town resident himself. Every parent who reads this should take it upon himself or herself to champion and advocate the adoption of the central school system. I believe the sentiment of the people would be found overwhelmingly in favor of it.

Earl H. Lohmuller.

Centralia, Kan.

What May Happen If Hedges Go.

Mr. Editor—Many people are in favor of cutting down hedges. I think our pioneers were wise in providing us with these windbreaks, posts, and firewood. The hedges around our farms are, and have been a great blessing. They break the force of the fierce winds that once swept across a treeless plain. Destroy the lines of Kansas hedge and the hard, drying winds of 40 years ago will again blow as they did then. Hedges are a great factor in conserving moisture. Let those people who condemn hedges go to the Texas Panhandle country or even to western Kansas and they will better appreciate their value. We are told that east and west roads are often made impassable by drifting snow where there are hedges but I noticed that the snow last winter was piled in huge drifts on east and west roads where there were no hedges.

Clay Center, Kan. J. D. S.

Protection for Mother's Children.

Mr. Editor—Concerning a wife's rights to property, I agree with the letter from Haviland, Kan. What encouragement have we mothers to toil to gain any of this world's goods, when we know if death claims us that our children may not receive one penny of all our hard labor and savings? It is true we mothers do not toil from early morn till late at night. Why is it? Because we have seen so many mothers pass on and leave their families with what they thought a good start in life, but alas, their children received none of it. Let mothers and fathers who love their wives and children, wake up. Can we not have laws to protect the hard-working mother and her children?

Chanute, Kan. Ruth Bartlett.

Improvidence of Wage Earners.

Mr. Editor—J. M. Best, Clinton, Kan., suggests that we take more interest in the wage earners and less in the farmers. Let me say my sympathies with wage earners are limited. Many a man of this class who is in the rut is there because of his own improvidence. Step into the pool rooms or bowling alleys after working hours and here you will find many a poor man losing his dimes that should be spent in the support of his family or laid by for rainy days. I



A widow whose house had been struck by lightning and burned, sent her hired man to Preston, Neb., for lumber with which to rebuild. Overtaken by storm, lightning kills three horses. No insurance.

BUT—Thirty-five Thousand OTHER Families in Kansas carry Fire, Lightning, Windstorm, Cyclone and Tornado Policies in the Farmers Alliance Insurance Co.

—the risks in force right now aggregating more than \$87,500,000. These families, while securing for themselves absolute protection from loss, have helped to make the Farmers Alliance Insurance Company the Largest, Strongest, Cheapest and Best Purely Mutual Farmers Insurance Company in the United States. They have so effectually demonstrated that Farmers can safely and profitably run their own company on an insurance-at-cost basis that the Old Line Stock Companies have been forced to reduce their Farm Insurance rates and even then cannot compete with the Farmers Alliance Insurance Company without radical misrepresentation.

A saving of more than One Million Dollars to our Policy-holders during the last Fifteen Years, the equitable and prompt payment of more than \$1,200,000 of losses since organization, and the accumulation of a Surplus Fund of more than \$500,000 while writing Farm Insurance at absolute cost—all this has made the Farmers Alliance Insurance Company the Farmers' Best Insurance Friend.

Our literature—sent free upon request—will tell you all about it—unfolding a story of marvelous co-operative success that will make you proud of Kansas and Kansas Farmers.

Farmers Alliance Insurance Company, McPherson, Kan.

HELP YOURSELF BY HOME STUDY Agriculture, Home Economics, Mechanics —Over 100 Courses

Reading Courses, \$1.00. Extension Courses, \$3.00. College Credit Courses, \$4.00. To residents of Kansas. To non-residents, \$2, \$6, \$7.50. Send for Correspondence Courses Bulletin. Secy. H. L. Kent, K. S. A. C., Box B, Manhattan, Kan.



98 cents Post Paid

Guaranteed 5 Years

To advertise our business, make new friends and introduce our catalogue of Fine Watches we will send this elegant watch by mail post paid for ONLY 98 CENTS. Gentlemen's size, full nickel silver plated case, Arabic dial, lever escapement, stem wind and stem set, a perfect timekeeper and fully guaranteed for 5 years. Send this adv. to us with 98c, and watch will be sent by return mail postpaid. Satisfaction guaranteed or money refunded. Send 98c today. Address R. E. CHALMERS & CO., 538 So. Dearborn St., CHICAGO.

This \$950 "Paige" Touring Car FREE



Easy For ALL To Win Prizes in Great Subscription Contest Just Started by Kansas Weekly Capital

It may seem too good to be true, but it is true just the same! Somebody is going to receive this big touring car as an absolute free gift on May 1, 1913. Our first big 1913 Subscription Contest on the Kansas Weekly Capital has just opened and will close promptly at 12:00 o'clock noon on Thursday, May 1st, 1913, and the 5 contestants having to their credit the largest number of points will be awarded the \$950 Automobile and 4 other Grand Prizes. The object of this contest is to get subscriptions to the WEEKLY CAPITAL, the well-known news weekly and home and family paper published by Arthur Capper at Topeka, Kansas. Every one-year subscription at 25 cents counts 25 points, every 3-year subscription at 50 cents counts 75 points, and every 6-year subscription at \$1 counts 150 points—in other words, you get 25 points for every year's subscription.

Earn \$15 to \$25 Every Week—Enter YOUR NAME NOW and Get 1000 Points FREE!

In addition to the 5 Grand Prizes we allow a cash commission of 40 per cent to every contestant—you keep 10 cents out of every 25-cent subscription, 20 cents out of every 50-cent subscription, and 40 cents out of every \$1 subscription. This 40 per cent cash commission feature is the most liberal inducement ever before offered on any contest on any paper! It positively removes every chance of loss. It ought to be easy for you to earn from \$15 to \$25 a week or even more in this interesting work. We will supply every contestant with an unlimited quantity of a beautiful Art Calendar. These calendars would probably result for at least 25 cents, but we allow you to give one free to every subscriber. Just to put real life into this contest right at the start we are going to award 1,000 points free to all who clip and send in the accompanying coupon within 20 days. When we receive your coupon we will send sample copies of the paper and full information regarding the big contest. Send coupon now! Address

Mgr. WEEKLY CAPITAL CONTEST, Dept. 200, Topeka, Kansas

Form for entering the contest with fields for name and address, and a coupon for 1000 points.

A valuable free book on CLOVER

A gold mine of information

We have just published a wonderful new book entitled "Clover, the Great Cash Money Crop." This book is truly a most remarkable source of information on the subject of clover raising. For the first time the opinions and experiences of the world's greatest clover authorities and practical growers have been gathered together in printed form. Every question you can think of is fully answered. It tells you how to get a sure "catch" first planting; how to keep clover in the rotation; about clover as a soil enricher; how to handle the crop for hay and seed production; how to grow clover that makes rich feed—that produces more beef and more milk—that puts immediate cash money in your pocket. It explains the cause of clover failures; how to avoid winter killing; how to prevent ground heaving; how to guard against the loss from heat and drought; it tells all about the causes of "clover sickness" and how to deal with it. These and hundreds of other questions are answered, covering sixteen clover varieties, including Red, Mammoth, Crimson, Alsike, Sweet, White, Yellow, Japan, Berseen, Burr, Scrandilla, etc.

This book is a gold mine of information to the farmer who is looking for bigger and better results. Ordinarily this book is sold for 35 cents per copy, but for a short time we will mail a free copy, postage prepaid, to the readers of this paper, or until a certain number have been distributed. If you will write at once you will be sure of getting a copy by return mail.

BALLOWAY BROS.—BOWMAN CO., BOX 208 IN WATERLOO, IA.

Law Should Stop Sale of Leg-Strap and Spring Trusses

Wrong To Buy Anything For Rupture Without Getting 60 Day Trial

Depending on leg-strap or spring trusses—like shown below—is little less than slow suicide. They are almost sure to shorten your life. It's next to impossible to make them hold without hurting. —They are simply a curse to wear.



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 Cluthe 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—Cluthe-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 humbugs—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 5000 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—Cluthe Co., 125 E. 23rd St., New York City

Veterinary Course at Home



\$1500 A YEAR and upwards can be made by taking our Veterinary course at home during spare time. Taught in simplest English. Diploma granted. Graduates assisted in getting locations or positions. Cost within reach of all. Satisfaction guaranteed.

WRITE FOR PARTICULARS

The London Veterinary Correspondence School
London, Ontario, Canada

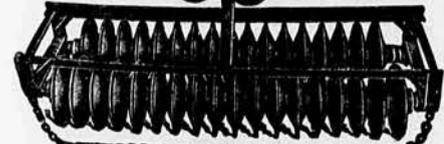
Dr. E. H. Baldwin writes: "I took the course for my own benefit on the farm, but the success I had started me in practice and now I am going night and day. Your course has been worth thousands to me, and will be to any man."

SAVE MONEY ON YOUR HARNESS

Order direct from the manufacturer. I have been in the harness business for 37 years. I sell direct to the user at one small price. I save you all the middle man's profits. My fully illustrated catalogue is just off the press. Write for it now.

JAMES LUNDON, Harness Manufacturer
217 S. 4th St., Saint Joseph, Missouri

IMPERIAL PULVERIZER and OLD CRUSHER and ROLLER Leads Them All



Send for Circulars. THE PETERSON MFG CO. 136 River St., Kent, O.

FREE WATCH, RING AND CHAIN

Our fully guaranteed, stem wind and set, richly engraved watch, proper size; and brilliant 3-stone ring, are given FREE to anyone for selling 20 jewelry articles at 10c each. Order jewelry now; when sold send \$2.00 and we will send you watch, ring and handsome chain FREE.

HOMER WATCH CO., Dept. 21, CHICAGO

spent a short period of my life in the Rocky Mountains where I came daily in contact with miners and railroad men. Pay day would find them with checks ranging from \$150 up to almost twice this amount. In numbers of cases they would first pay their bills to merchants and then go to the gambling tables and lose every dollar before they would give up their seats.

Russell, Kan. F. S. Burson.

Wouldn't the Adviser Be Worth It?

Mr. Editor—Judging from the articles published in your paper on the farm adviser plan, one would draw the conclusion all Kansas farmers are opposed to the plan. I think such is not the case. The "kickers" have been very free. It is high time that the "pushers" have their say. Did these "kickers" ever stop to figure how small and insignificant that extra farm adviser tax would be, how many hundreds of ways they could be benefited by his advice and recover those extra taxes a hundred fold, or even a thousand fold.

There are more than 3,000 quarter sections in the average county. This would make only 33 cents tax on each quarter. The personal and town property taxes would most likely reduce this to about 20 cents on each quarter. That is figuring the county's part of the adviser's salary at \$1,000, which I note is the case in several counties in Missouri.

Now, fellow farmers, are we not all willing to risk such a small amount to give the idea a fair trial?

To mention only a few things in which we could be benefited by an adviser: We could get a chemical analysis of our soil, so as to enable us to know what crop was best fitted for it in its present stage; what crop rotation was most needed; what kind and how much fertilizer to use; how to better balance our ration for hogs and fattening cattle, to get the best possible gains for amount of feed consumed; how to get larger profits out of the dairy herd; how to better care for the farm poultry, and finally we could in this way have a clearing house for the disposal of surplus products.

Can we get farm advisers who will meet these requirements?

I am satisfied the Agricultural college will not send out any man unless he is equal to the job and capable of filling it in the true sense of the word. The salary paid is sufficient to justify a man to fully prepare himself to meet the requirements, and by the aid of the college, at least, be able to solve any and every problem that may come before him. The farm adviser plan is, in fact, moving the Agricultural college to every county in the state, so every farmer can have the direct benefit of it.

I am willing to work for getting an adviser in this county at the earliest possible date. Let us hear from some more "pushers". Get something started and keep pace with our neighboring state, Missouri.

Hartford, Kan. R. E. Holt.

Doubts the County Unit Plan.

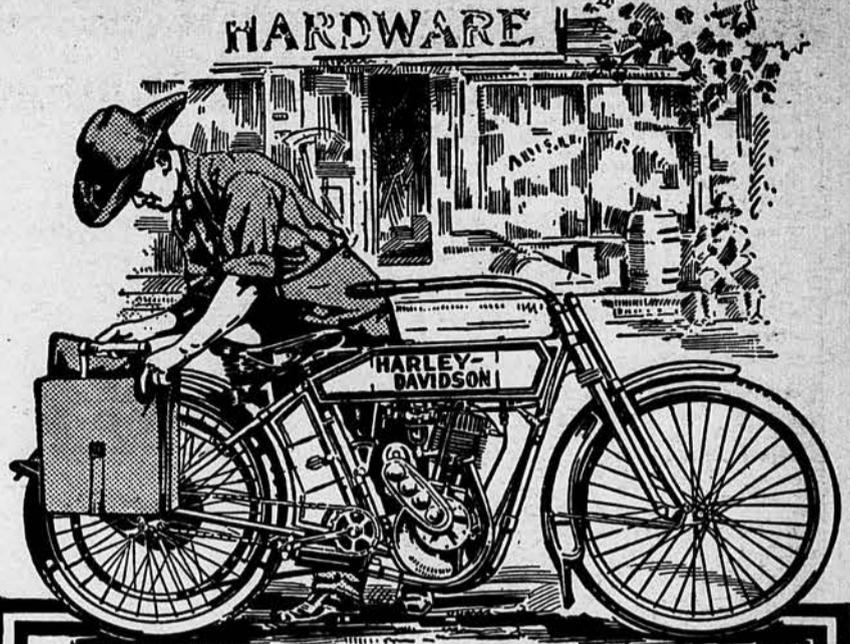
Mr. Editor—The county unit plan for schools is meeting with general resistance. We cannot see how a county board could be satisfactory in all the details belonging to all the rural schools in a county. And if the school units of all rural districts in every county were thrown, so to speak, into one, it would be a big job to set them all in good running order and much contention and dissatisfaction would result. It might work well after many years of adjustment.

Agenda, Kan. J. P. Anderson.

[The objection made oftenest to the county unit plan is based on the belief that county management would not be as efficient as the present district system with a county superintendent over it. Probably only a test would tell. Advocates of the county unit plan say it is working well in every state where it has been adopted. One advantage which can be conceded to it, is that no district is allowed to suffer because of unequal division of school funds as occurs now.—Ed.]

Why Production Doesn't Double.

Mr. Editor—I made a trip last fall to Minnesota. When I left Devo, Okla., peaches were selling at 25 cents per bushel. When I got to Springfield, Mo., poor ones were selling at \$1.25 per bushel. At Elk River, Minn., 30 miles from Minneapolis, farmers were loading potatoes on the cars at 25 cents per bushel. You can't talk to these people about doubling their production, so city peo-



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In Kansas the average yield of ungraded oats is 15 bushels per acre. Grading and cleaning seed oats with a HAWKEYE brings the Kansas farmer's average up to 33 to 45 bushels per acre. Take 40 as an average: That means an *increase* of 25 bushels per acre; it means a

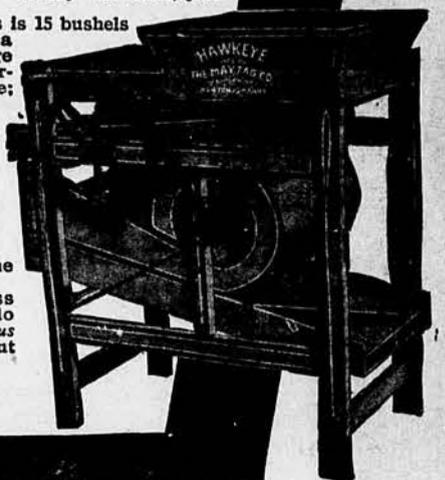
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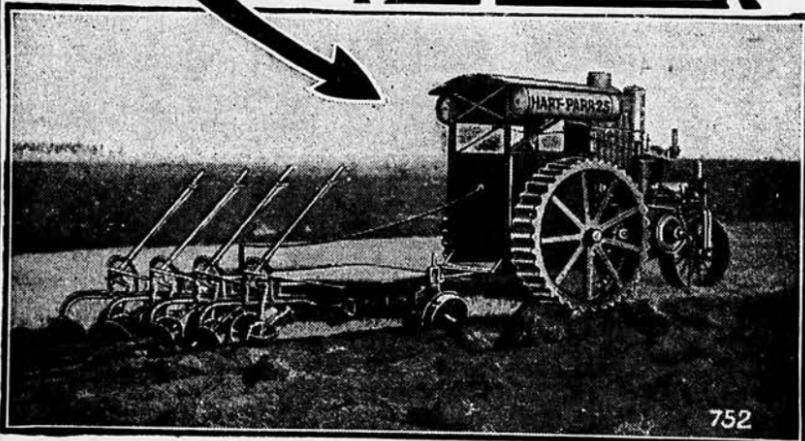
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As Bill Nye used to say, "What has posterity done for us?" After working 50 years to build up a home market, planting the factory beside the farm by a high tariff, we hear of regulating the killing of calves so city people may get cheaper beef. Why not just as well forbid the export of corn so corn will be cheap? Frying chickens used to sell for 15 cents but last year they brought 30 to 40 cents. I am afraid somebody will soon be regulating the price of chickens.

J. F. Turley.

Purcell, Okla.

Some Union School Difficulties.

Mr. Editor—We are much interested in all that has been written about the consolidated school system. It seems to me there are a great many difficulties that have not been mentioned yet. One is sending small children to the appointed meeting place at the exact time the wagon or car is due. In bad weather this would keep the child from school many days on account of missing the wagon. If they go early they must stand in the cold and wait, often freezing their feet, hands or faces, no matter how well they are wrapped up, or croup, colds and pneumonia might be the result. Some would have a long ride in the cold and to a school perhaps in an unsatisfactory neighborhood, where we would not under any circumstances send our children. The mischievous children of course must ride miles with the others and home influence can not altogether overcome the mischief done.

This fall many of our school houses have installed heating plants, and built cisterns for the comfort and convenience of the patrons. If we build a consolidated school building this will all be lost. Then we must have a neighborhood meeting place as well as a school building. Not many people care to drive 5, 6 or even 7 miles to a gathering place on a cold night.

When it comes to motor service, has anyone figured the price of a car large enough to carry those 10 or 12 students on the one route, and the cost of a driver? Wouldn't it be more than enough to pay all the expenses of a district school? If the car could be run in all kinds of weather why is it the mail carriers go back to the old reliable horse and carriage in bad weather? Many times the roads are so bad in winter that we do not receive our mail for several days or a week at a time. You could not send a teacher with the wagon and the driver would not expect to be nurse, chaperon and driver too.

Mrs. A. H. Robbins.

Jewell City, Kan.

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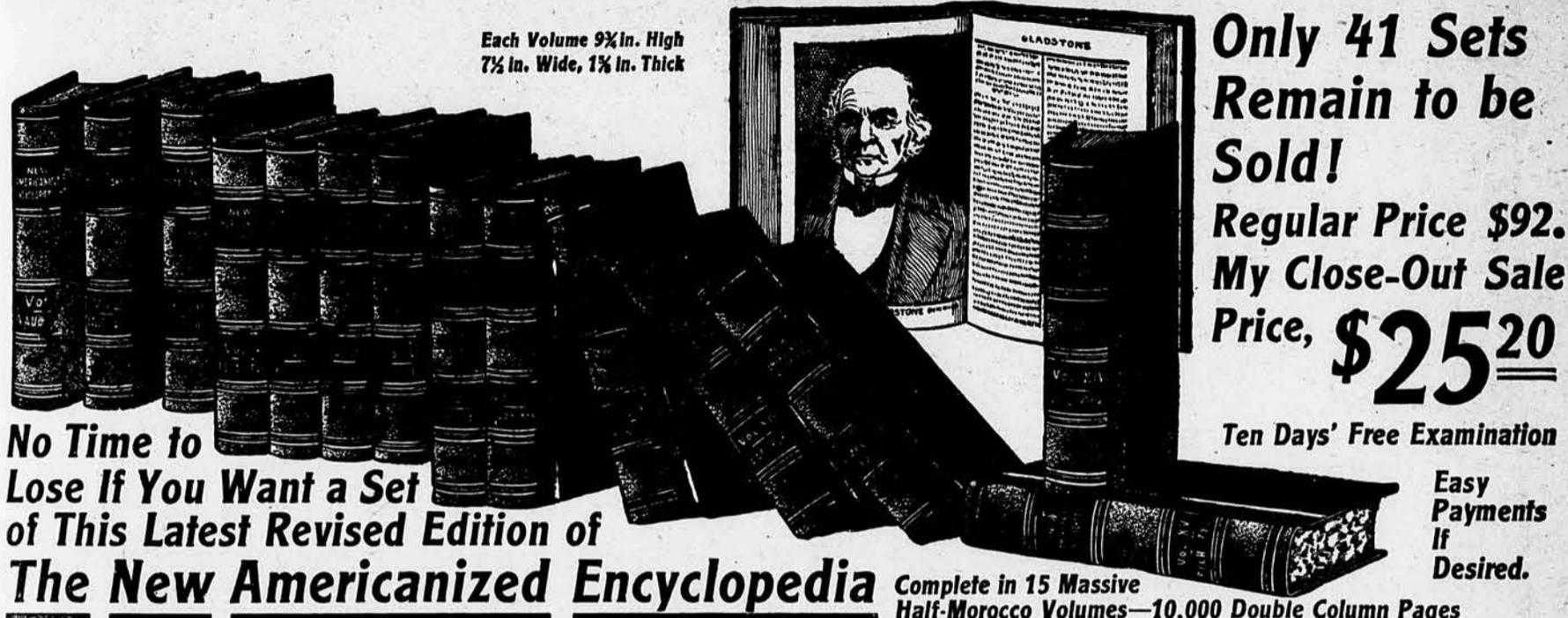
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CROPS and FARM WORK

Weather Favorable to Farm Work and Spring Operations Will Soon be Here—Wheat Has Not Suffered Much But Needs Moisture—Presence of Hessian Fly a Cause For Worry—Fly Damage Depends on Weather
(Crop Reporting Service of Farmers Mail and Breeze.)

A few more days of seasonable weather, such as we had the first of the week, and early spring farm work will be under way. Just at this time the greatest hindrance to beginning farming operations is not the weather but lack of moisture in the soil which in some western counties is reported as being too scant to make plowing possible. Fall and winter plowing are in good shape, however, and just right to work up for oats, potatoes, and gardens.

Wheat continues to hold its own. The moisture from the snow of two weeks ago and the recent warm days are making it show some life. Some apprehension is felt over what the Hessian fly may do to wheat this spring. C. Culp of Doniphan county, Kansas, says that reports are even now coming in telling of damage by the fly.

That a number of flies and "flaxseeds" wintering over is greater than usual has been reported from many parts of the wheat belt. Early in the year G. A. Dean, entomologist of the Kansas Experiment station gave it as his opinion that the injury from the pest would probably reach considerable proportions. Only the weather can stop the flies now as there are no remedial measures that could be effectively applied until after harvest.

KANSAS.

Russell County—Fine weather and stock doing well. Wheat is all right so far but needs moisture. Not enough moisture in ground to do spring work. Plenty of rough feed for stock but not much grain. Wheat 75 cents, corn 54, eggs 15.—Mrs. Fred Clausen, Feb. 15.

Coffey County—No rain for several months and very little snow. The winter has been favorable to stock feeding and stock is doing well. Farm sales numerous. All livestock selling high. Corn advancing in price. Chickens 9, butter 23, eggs 17.—Mrs. A. H. Stewart, Feb. 15.

Rush County—Wheat needs moisture badly. Not much wind. Nights are cold but day time pleasant. All stock doing exceptionally well. Prices higher than ever known before in this country. Spring calves are selling at \$25 to \$32, cows \$60 to \$90. Butterfat 31 cents, eggs 20.—J. F. Smith, Feb. 15.

Jewell County—Finest winter weather for years but a little dry at present. Plenty of roughness for stock. Some cattle and horses dying on stalks. Swine plague still with us in parts of county. Few fat hogs left. Hogs \$7.40, corn 41 cents, butterfat 26, eggs 16.—S. C. DePoy, Feb. 15.

Geary County—Open winter so far but ground is getting dry. Wheat in fair shape considering the weather. Good many sales at everything sells at good prices. Milk cows and hogs in big demand and scarce at any price. Large amount of wheat being sold at around 86 cents.—F. D. Olds, Feb. 11.

Norton County—Clear, dry, open winter. Plenty of feed and stock of all kinds in fine shape. Few horses have died on stalks. Everybody wants hogs and cattle when prices are high. Farmers planning to put out big crops this year. Corn 40 cents, wheat 76, eggs 18, butter 25.—Sam Teaford, Feb. 15.

Mitchell County—Weather warm for the time of year but too dry for wheat. Nearly all cane, kafir and millet threshed, and more on hand than for several years. Numerous sales and everything goes high. Cows bring \$50 to \$80. Good deal of wheat going to market at 75 cents, but not much corn at 41. Hogs \$7.40.—J. H. DePoy, Feb. 15.

Doniphan County—Weather continues dry. Less moisture this winter than for years. Wheat appears to be all right but there are reports of the fly doing damage. Roads have been good all winter and a good deal of grain marketed. Few sales but everything sells well. Hog cholera still raging. Few hogs left in county.—C. Culp, Jr., Feb. 14.

Rawlins County—Wheat seems to have partly disappeared from the top of the ground during the last 10 days of freezing weather. It may be damaged but can't tell how much. Nearly all of last year's wheat marketed. Quite a number of sales to be held the end of the month. Milk cows selling at \$60 to \$70, hogs \$7, wheat 72 cents, barley 33, corn 43, eggs 20, butterfat 30.—G. S. Skolout, Feb. 15.

Anderson County—Ideal weather to winter stock and feed is holding out well. Will have a surplus of rough feed. Some chinch bug burning being done but movement is not general. Wolf hunts are all the go. Have two or three a week and average from nothing to four wolves per hunt. Sales numerous and stock sells well. Corn 50 cents, oats 35, kafir 50, cane seed 60, eggs 18, butterfat 31.—G. W. Kiblinger, Feb. 15.

Woodson County—Weather fine again but had been very cold with a 4-inch snow last week. Another fine day or two will put fields in shape for spring plowing. Quite an acreage of oats to be sown this spring, also more alfalfa and timothy. Considerable land changing hands and prospects for bet-

ter times seem to be at hand. Sales getting more numerous and prices seem to be going higher at the same time. Hogs \$7.25, eggs 18 cents, chickens 10.—E. F. Opperman, Feb. 14.

Seward County—Wheat prospects are poor. Stock of all kinds looking fine and selling high at sales. All feed is cheap. Hogs scarce. Eggs 16 cents, butterfat 28.—J. W. Rosson, Feb. 9.

OKLAHOMA.

Canadian County—Oats being sown and a lot of plowing done for corn. Ground moist on top but is dry about 14 inches down. Wheat looks fine. Stock in good shape. Corn 45 cents, oats 38, wheat 70, eggs 20, butter 22, fat hogs \$8.25.—H. J. Earl, Feb. 15.

Harmon County—Fine weather but still dry. Some cotton still in the field. Stock looking good and feed is plentiful. No hogs for market here. Corn 35 cents, milo and kafir 35 per 100 pounds, cotton 9 to 12½, eggs 15, butter 15.—I. P. Grant, Feb. 7.

Noble County—Since sending last report have had an 8-inch snow and two fair showers. Snow nearly all melted now. Ground frozen in morning and sloppy in afternoon. All stock doing well with plenty of feed. Not many sales.—A. E. Anderson, Feb. 13.

Hughes County—Fine weather the last few days. Farmers sowing oats. Gardens are being plowed and seedbeds for potatoes and other truck put in shape for planting. Bluegrass is green. Hay selling slowly at \$10. Oats 41 cents, eggs 20.—Albin Haskett, Feb. 17.

Cleveland County—Plenty of moisture to put in oats but subsoil is very dry. About a half of oat crop has been sown. Stock is looking good with plenty of feed. Oklahoma City is paying us \$1.80 per 100 pounds for milk. Steers (top) \$7.65, hogs \$8.40.—H. J. Dietrich, Feb. 15.

Grant County—Our 8-inch snow is nearly gone. Ground is in fine shape on top. Wheat never looked better. But subsoil is dry and water in wells is low. Oat sowing will begin in two weeks. Many sales and everything selling high, especially mares, mules, cows and sows.—A. C. Craighead, Feb. 15.

McIntosh County—The snow of last week kept weather cool which was good for fruit. Ground has been a little wet for plowing but some have started the last day or two. Wheat looks fair considering late sowing. If weather holds steady the bulk of oat crop will be sown next week. Gardens plowed and seed will be put in first warm days.—H. S. Waters, Feb. 15.

**WORLD'S GREATEST SEED CORN—
"GRAND CHAMPION" WHITE.
TWO POUNDS FREE TO EACH
SUBSCRIBER.**

I am going to give free to my subscribers a limited quantity of the world's purest and best seed corn—"Grand Champion" White—grown from the bushel which was awarded first prize at the Omaha Corn Exposition, Omaha, Nebraska, and for which I paid \$280.00 cash.

I gave some of this seed corn to Mr. H. V. Cochran, one of the most expert seed corn growers in America, and the seed which I offer here was grown from the prize bushel and you will find it the equal of the original bushel, which brought perhaps the highest price ever paid for a bushel of seed corn.

The corn is a large pure white, deep grain, matures in less than 100 days and is an extra heavy yielder.

I have had this "Grand Champion" corn put up in one-pound packages, all ready for mailing.

As long as my supply lasts I am going to give it away on these very attractive offers: Two pounds of corn and a year's subscription (new, renewal or extension) to Farmers Mail and Breeze—for \$1.00. I will also give you two additional pounds for each new yearly subscription you send me, other than your own, at the regular rate of \$1.00 a year.

You pay nothing for this corn—it is mailed to you, postpaid, as a free gift for your own or your neighbor's subscription to The Mail and Breeze at the regular rate—2 pounds with each yearly subscription.

I have only a very limited quantity and can secure no more at any price when this supply is gone. Send your subscription or renewal at once. If too late, I will notify you and return your money. Address,

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



You Can Depend on the "Flour City" for Satisfactory Results

The "Flour City" 30 H. P. tractor purchased of you two years ago has given best of satisfaction. Am farming to wheat about 900 acres, and do all my work with the "Flour City," as I keep no teams.

I have used several different makes of tractors, but like the "Flour City" best, and can do more work with it than any other. It is built on the right plan, it has the strength, and is not too heavy; the upkeep is very reasonable, and the transmission is the best I ever saw. Have experienced no trouble in operating the tractor the past two years and can recommend it as the best on the market. Wishing you continued success, I beg to remain, Yours truly,

SAM ARD, STERLING, COLO., Jan. 7th, '13.

The 1913 "Flour City" has many new features which add to its efficiency. If interested send for catalog.

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LOUR CITY TRACTORS

OILS 52 Gal. Brl. 42 Gravity Kerosene \$4.75; Incubator Kerosene \$5.75; Gasoline \$8.75; Crude Dip \$4.25. \$1.50 allowed for empty barrels returned freight prepaid. A complete line of independent oils. We can give you all satisfaction. Write us.

THE NEOSHO VALLEY OIL CO., L. J. Hurt, Mgr., Chanute, Kan.

Corn and cows are a winning combination in the Ozarks.



Mr. Hosmer and his son bought a farm near Marshfield, Missouri a few years back, at \$10 to \$15 per acre. To-day that farm couldn't be bought for \$75 to \$150 per acre, and is bringing an annual net income of over \$5,000.

When the Hosmers took hold of this place, it was said that the corn couldn't be grown high enough to hide a 10-year old boy—but now they are making from 60 to 80 bushels per acre regularly. And they are averaging around \$90 per year per cow!

H. S. Harris says: "My milk production for the six months from April to November (milking an average of 15 cows, about one-half of which are two-year olds), was 8,135 gallons, which sold at 16 cents per gallon, or \$1,301.60. Feed all raised on my farm, except salt."

Mr. Holloway, another Ozark dairyman, says: "I find this country the best for farming and far the best for dairying. The healthful, mild climate cannot be beat. I know this, for I have traveled a great deal; have been in nearly every State in the Union."

These experiences prove what an expert on dairy husbandry said a while back: "Not only are the Ozarks adapted for dairying but are certain to be noted far and

wide in the future for this industry. Butter fat can be produced cheaper in the Ozarks than anywhere else."

With plenty of good pasture land, an unlimited amount of pure water, with soil that will grow every variety of grains and grasses, with short, mild winters that permit grazing most of the year and make expensive shelter unnecessary—stock raising of every kind is more profitable in the Ozarks.

Ozark farmers are producing pork at 2½ cents a pound, and selling it at 8 cents or more. They are making around \$12 per ewe; with the sheep feeding almost entirely on native wild grass.

The closeness of Kansas City, Memphis and St. Louis—offering tip-top prices—has a great deal to do with the big net profits which Ozark farmers get.

But all these advantages mean more when it is realized that good land can be bought now in the Ozarks at \$12 to \$15 per acre. It's a proposition that deserves any man's serious thought and investigation right now!

A free book for you!

It's not the kind you can pick up anywhere. Double sized pages, 75 actual photo pictures of farms—some in full color. Written by a man who knows farming. Takes up the Ozark sections, county by county, and describes the farming conditions there. Also tells actual experiences of Ozark farmers. I haven't many copies of this book on hand; please drop me a postal to-day for your free copy.



FRANK ANDERSON, Director of Development, 1504 Frisco Bldg., St. Louis, Mo.

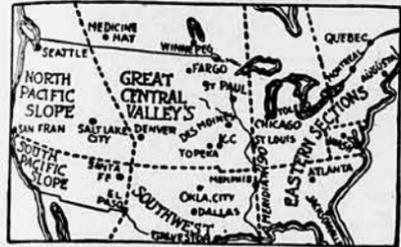




FOSTER'S FORECASTS

(Copyright 1912 by W. T. Foster.)

To Farmers Mail and Breeze:
 Washington, D. C., Feb. 22—Last bulletin gave forecasts of disturbance to cross continent Feb. 25 to March 1, warm wave 24 to 28, cool wave 27 to March 3. Unusually cold weather will precede this disturbance and the warm wave will not go very high, altogether making the temperatures average below the normal. Not much precipitation



(For Better Understanding of the Forecasts.)
 Broken lines separate map into eight great valleys including the Northwest and Southwest, and Eastern Sections including the Lakes, the Northeast, the Southeast weather districts, named North Pacific Slope, South Pacific Slope, Great Central and Washington. The dividing line bisecting St. Louis is meridian 90.

most of which will precede the warm wave. The cold wave preceding this disturbance will be the low point of temperatures for Feb. and the trend of temperatures following will be decidedly upward, with spring crop weather coming in early.

Again we warn all to be on the lookout for dangerous storms from Feb. 20 to 28. These storms are expected to be somewhat similar to those that occurred early in Jan. but not so radical and probably not in the same places.

Next disturbance will reach Pacific coast about March 3, cross Pacific slope by close of 4, great central valleys 5 to

7, eastern sections 8. Warm wave will cross Pacific slope about March 3, great central valleys 5, eastern sections 7. Cool wave will cross Pacific slope about March 6, great central valleys 8, eastern sections 10.

This disturbance will be of greater force than usual but dangerous storms are not expected to accompany it. Precipitation will be less than usual. Some snow flurries in northern sections east of Rockies but no wave of general precipitation is expected to cross the continent.

At the time of the dangerous storms that are expected to continue till after Feb. 28, some very heavy rains may be expected east of Rockies but they will not cover much territory and will be of the cloud burst variety.

The cold wave to cross continent, March 7 to 11 will be severe and will cause a great fall in temperatures on most parts of the continent. As this cold wave crosses Pacific slope some heavy precipitation north of San Francisco is expected and some heavy snows in British Columbia.

March will bring some dangerous storms and we expect them from 18 to 28.

Record Yields in Argentine

The winter harvest, which begins in the northern grain-growing provinces of Argentina in late November and ends in February in the south, promises greater yields for all crops than ever before. The area sown to wheat was 17,095,490, against 17,042,487 acres the year before. A striking feature of the sowings was that they should have increased so slightly, since in the previous year over 1 1/2 million acres were added to wheat. Favorable weather during the current season, however, more than compensated. The preliminary estimates issued by Argentine department of agriculture, December 27, while the harvest was in full progress, makes the yield of wheat 198,414,000 bushels. Last year the production was 166,190,000 bushels; the previous high-record crop was in 1907-8, when 192,487,484 bushels were reaped.



Plow Right and Protect Your Crops

The coming season may be dry and hot. Better be prepared for drought in case it does come. Better see that no air spaces are left between topsoil and subsoil, whoever does your plowing. For those air spaces cut off the moisture from below and rob you of half your crop.



You'll have no air spaces if you use a Rock Island "C.T.X." Universal Plow.

It turns each slice clear over, flat and smooth. Buries all trash. Pulverizes dirt—saves one harrowing—leaves the topsoil in close contact with subsoil. In dry weather, moisture comes right up from below, like kerosene comes up your lamp wick. This feeds and saves your crops.

All due to the peculiar corkscrew-like bottom on the Rock Island "C.T.X." Universal. This patented mouldboard carries the dirt backward and DOWNWARD, not backward and UPWARD, like all other plows. A very simple invention, but one that is revolutionizing all plowing methods. (Picture A shows Rock Island Universal bottom, and the arrow shows how dirt travels. Picture B shows ordinary plow bottom, and arrow shows how dirt travels.)

A Genuine UNIVERSAL Plow

And the beauty of it is, with this plow you can plow up any field on your farm. Tame Sod, Heavy Clay, Sandy Loam, Mixed Soil, Stable Fields, Old Cornfields, Meadows, etc., all look alike to the Rock Island "C.T.X." Universal. Saves buying a new plow or bottom for sod.

It's a Universal plow that does perfect work in all cases and leaves no air spaces. That's why this plow so quickly became the sensation of the farm world.

That's why you'll want it the minute you see it. Send a postal now, and we will tell you where you can see a "C.T.X." and price it. You can judge yourself and will realize why it's so much better.

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It pictures and describes this most popular plow completely. Simply write these words on post card. I am interested in plows. Then add name and address and mail card to

ROCK ISLAND PLOW CO.
 226 Second Ave. ROCK ISLAND, ILL.



Rock Island C.T.X. Universal Plow

Oats culture in Argentina has in late years advanced with rapid strides. An annual average of about 500,000 acres has been added to the acreage during each of the last three years. The sowing in 1912-13 amounted to 2,946,420 acres, an increase of 398,819 acres over that of the previous year. According to a preliminary estimate of the Argentine

department of agriculture, the production amounts this year to 115,879,287 bushels, compared with 69,169,325 bushels a year ago and 47,192,219 in 1910-11.

Get the apple-eating habit. There is no better stomach regulator, and their use will do much towards keeping away the doctors.

6 Beautiful Monthly-Blooming Roses FREE Including the Famous "Blumenschmidt"



Most Wonderful Free Gift Offer Ever Made

THIS is an announcement that should bring a quick response from every woman reader of my paper. It is a genuine, free gift offer—the most liberal we have ever made—by far the most attractive ever made by any American publisher.

We desire to secure 50,000 new subscriptions or renewals within the next 30 days, and we expect this wonderful offer to meet with such prompt acceptance that every Rose in our immense stock will be taken before this offer is two weeks old.

In the past we have given away many thousands of beautiful and valuable Roses to the readers of this paper. Now, we are going to make an offer which should—and we are sure will—bring new subscriptions and renewals by the thousands.

Everyone loves flowers, and the one special favorite of all is the rose—it is the most beautiful and most popular of all flowers. You will need a collection of carefully chosen roses to beautify your lawn or to make your flower garden complete this spring, and in order to make this by far the most attractive and most winning offer ever advertised, we have secured a superb collection of six of the most beautiful roses to be found in America. They are not cheap, common varieties; they are the rarest and most famous plants ever offered. They are well rooted, strong and healthy; guaranteed to give satisfaction or money cheerfully refunded. We head this big value collection with

you will be delighted at the beauty and variety of the roses included in this great offer. The wonderful "BLUMENSCHMIDT" The Most Sensational Rose Discovery of the Age!

This latest and most beautiful variety is alone worth more than the small sum we ask you to send on this special offer. In this newest Rose creation we offer you an improved and glorifying monthly blooming plant, with flowers of pure citron-yellow, outer petals edged with the slightest tint of rose. A variety of most vigorous growth and winner of many premiums at horticultural shows.

In All, Six Different Colors Red, White, Silvery-Carmine, Yellow, Pink and Crimson.

The other Roses included in this most exceptional offer are all first quality plants, carefully packed and sent prepaid at proper time for planting. They are as follows: The wonderful new **Crimson Bedder**; the **Helen Good**, a magnificent velvety pink ever-bloomer; the **Betty**, a remarkably fine shade of golden yellow; the **Mme. Jenny Guillimot**, finest silvery-carmine rose ever offered; the **White Maman Cochet**, snowy white, with rich full flowers. This liberal offer is made solely for the purpose of advertising our big farm paper. Here is our offer. We send all the above collection of six fine Roses with **One Year's subscription—or renewal—for only \$1.00.** Order at once before they are gone. Address

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 Rose Dept., 801 Jackson St., Topeka, Kan.

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I am enclosing herewith \$1.00 in Express or Postoffice Money Order, which is to pay for one year's subscription. This is a new (or renewal) subscription. (If this is a new subscription, please cross out "renewal." If you are already a subscriber, please cross out "new.") It is understood that I am to receive, as a free premium, your beautiful collection of six ever-blooming roses, sent prepaid.

My Name

Complete Address

The WOMEN FOLKS Conducted by Mabel E. Graves



We want this department to be of practical use to the women who read Farmers Mail and Breeze. If you have any favorite recipe, any helpful hint, whether it concerns the family, the kitchen, the children, the house; or if you have anything to say which would be of interest to another woman, send it to the Home Department editor.

A reader from Danville, Kan., writes as follows: "I have used so many good recipes from Farmers Mail and Breeze. I would be very much pleased if you would send a recipe for canned pumpkin."

The woman who suffers from headache may be worn out. In that case she ought to be compelled by her family to take a rest. The trouble may be her stomach. In that case she ought to be strong minded enough to eat only the things that agree with her, and perhaps see a doctor. It may be her eyes. If her headache is worse after sewing or reading she ought to see an oculist and wear the glasses he gives her. It may be lack of ventilation. That means a window wide open at night and fresh air during the day. Headaches are danger signals telling her something is wrong. The worst possible thing is to take a "headache tablet" to numb the nerves and cover up the pain. Headache tablets never cure, and sometimes are the cause of serious sickness.

A wage bill for working girls was passed last Thursday by the house of representatives, and is now waiting for the sanction of the senate. This bill provides that no working girl or woman shall receive less than \$6 a week nor work longer than 54 hours a week. An apprentice clause provides that the girl who is just learning her trade shall be paid a wage of not less than \$3.50 per week for the first month, and this wage shall be increased at the rate of 50 cents per month until she shall have reached the minimum of \$6. After that it depends upon herself and her employer as to how much farther she shall go. This rule of wages also applies to girls working in homes; but the employer of a girl working in her home may, if she wishes, deduct 15 cents for each meal and 15 cents for each night's lodging. Our legislators are trying hard to help the working girl. This bill must, of course, go through the hands of the senate and be signed by the governor and there is time for a great many changes before it becomes a law.

Canning the Dried Fruit.

I have had so much help from "our page" that I feel I want to give a little, too. How many of you have ever tried canning fruit in winter? I soak the dried fruit over night. Next day I cook it, add sugar, can in glass jars, and seal. This is especially nice at harvest, haying, and threshing time. Those of us who have more butter, eggs and cream to sell than are needed to pay the grocery bill can add a little fruit each time, and in that way can have a great variety canned and ready for the table at any time. Apricots and peaches are especially nice, we think, but even dried apples canned this way are ready to be made into nice pies on very short notice.

Mrs. Eva McBride.

Brewster, Kan.

Making Bread Without Yeast.

[Prize Letter.]

Take 1 pint of flour, 1/2 cup sugar, enough warm water to make a nice smooth sponge. Set in a warm place from 4 to 7 days, or until it rises and falls. This is the starter, which will improve each time it is used. It should be kept in a cool place and used at least once a week. Always save out a pint of starter from the bread sponge before any salt is added to the bread. I find that very hard water soon kills the life of the yeast.

To make bread sponge take the usual amount of flour, 1/2 cup of sugar, warm water in winter or cool water in summer, and the "yeast." This bread rises quickly and does not require the heat

that hop yeast does, and it never tastes sour. Those who object to sugar in the bread can add a couple of teaspoonsful to the starter. I like to sponge a small amount in the evening, add more water and flour the first thing in the morning, and I sometimes add to it the third time. Frequent rising and careful kneading make flaky bread. If the bread is sprinkled just before it goes to the oven it will rise more before browning and the crust will be softer. This yeast should be good a year or two if kept cool.

Mrs. India Cain.

Ottawa, Kan.

Framing Your Own Pictures.

[Prize Letter.]

Let me tell you how I save all my photo post cards. First I go to a photographer, get some glass film plates and clean them off. To clean them I put them in a warm soap suds and the gelatine soon soaks loose so it can be rubbed off with the fingers. Photographers will usually sell them for 10 cents a dozen, and sometimes give them away. I get the 5 by 7-inch size. Then I get a 10-cent roll of passepartout binding, some small brass rings, and some stiff card-



A PASSEPARTOUTED PICTURE.

board, and I am ready for framing 1 cut the cardboard the size of the glass and fasten in the ring to hang it up by. Then I paste the postcard in the center of cardboard, lay the glass over it, and bind all together around the edge with the passepartout binding, moistening the glued side of the binding and pressing it down firmly. When this is done I have a nice picture, and the cost is almost nothing.

Mrs. J. A. Allgood.

R. 2, Brookville, Kan. One roll of passepartout binding will frame several dozen pictures of this size. It comes in several different colors. Those who do not find it convenient to get photographers' glass films can use window glass very nicely. The dealer will cut it any size you wish.—Editor.]

Mail and Breeze Recipes

THINGS THEY ALL LIKE.

For a change we enjoy liver cakes. Take 1/2 pound of liver, and grind. Add 1 small cup of milk, 2 eggs, 1 teaspoon salt, a little pepper, and enough flour to make a batter. Make into cakes and fry in hot lard. Subscriber.

Chiles, Kan.

Pumpkin Chips.

[Prize Recipe.]

Select a pumpkin of deep rich color, pare and cut into the thinnest possible strips twice as long as broad, and of uniform size. To each 20 pounds of pumpkin allow 12 pounds of granulated sugar and the grated rind and juice of 2 or 3 lemons. Put the chips in a preserving kettle, sprinkling the sugar between the layers and adding juice and

grated rind of lemon. Cover and let stand over night. Next day bring to a boil, then let simmer slowly until the chips are tender and transparent. Take up the chips with a perforated skimmer, and spread on plates to cool. When cool put in jars and cover with hot sirup, seal and store in a cool, dark place.

Mrs. Mary Jenkins.

Harrisburg, Colo.

Smothered Chicken.

Cut up a young chicken, put in pan and pour over it a pint of boiling water. Season with salt, pepper and bits of butter. Sprinkle a little flour over the top, then cover tightly and cook in a slow oven for an hour. This is a nice dish for the sick. Millie Perry Simpson.

Fredonia, Kan.

Mock Angel Food.

One cup sugar, 1 cup flour, a pinch of salt, 3 teaspoons baking powder; sift together six times. Add 1 cup of sweet milk which has been heated to boiling

A common school education is all that thousands of bright farm boys and girls will ever get. The district school is the most important school in Kansas. It rests largely with Kansas women to make it what it ought to be.

—ARTHUR CAPPER.

point, then pour in lightly the whites of 2 eggs beaten to a stiff froth. Do not grease the pan. This tastes like angel food and is not so expensive.

Wichita, Kan. Mrs. G. A. Vest.

Steamed Fruit Pudding.

[Prize Recipe.]

Take 1/2 cup molasses, 1/2 cup seeded raisins, 2-3 cup of warm water, flour to make a batter, 1/2 teaspoon soda, yolks of 2 eggs. Stir all in granite basin, put in steamer and steam 1 hour. Serve with silver sauce.

To make the sauce use 1 teaspoon butter, 2-3 cup sugar, beaten whites of 2 eggs, 1/2 teaspoon lemon extract. Cream the butter and sugar before adding the eggs and extract. Just before serving add 1 cup boiling water.

Mrs. A. G. Clewell.

Watonga, Okla.

Dressmaking Lessons Free

Complete Illustrated Course of Lessons Given to Women Readers of This Paper For a Short Time Only.

We have just published in one large volume one of the most valuable and most comprehensive courses of instruction in home dressmaking ever written. This course of lessons covers practically every phase of the subject of dressmaking. It tells you how to make most every garment, from the simplest house apron to the most elaborate evening gown.

This valuable book, "Every Woman Her Own Dressmaker," will be found of great assistance to beginners as well as experienced dressmakers. You can turn to this book and find a satisfactory answer to practically every dressmaking question which might come up. It illustrates and fully describes 200 very latest styles for ladies and children. It gives valuable instructions on fitting and finishing—instruction needed by every woman. Here are some of the interesting subjects taught in these lessons:

- How to sponge and shrink wool goods.
How to shrink wash materials.
How to make a tailored coat at home.
How to make a plain shirt waist by the newest and easiest method.
How to make a boned lining.
How to make stylish suits, skirts, waists, dresses and dressing sacques.
How to make wrappers, kimonos and underclothes.
How to make children's coats and school clothes.
How to make baby clothes, long and short.

We are giving these valuable dressmaking books away absolutely free just to introduce our popular publication. Send us your name and address at once, together with 4 cents in stamps to cover mailing expense, and secure one of these valuable books before the offer is withdrawn. Address ARTHUR CAPPER COMPANY, Dept. DM-11, Topeka, Kansas.



Mme. Schumann-Heink

in song recital March 16th. Chorus of 525 voices. Eighteen concerts and recitals. Soloists of national reputation. Band and orchestra of 40 pieces each. Children's chorus of 250. For free 36-page souvenir program write



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Advertisement for BIG AMUSEMENT PACKAGE -- 10C. Includes Splendid Games, Checkers and Chess with Dominoes, Fox & Geese, 9 Man Morris, Athlete—48 cards, 22 Songs, 19 Fun Cards, 48 Magic Tricks, 70 Great Puzzles, 24 Jolly Jokes & Riddles, 175 Ways to Win, How to Charm Others, to Tell Fortunes and 600 other things to entertain the entire family all winter. This 10c Package sent for 10c. SAMUEL COOPER & CO., Box 35, Horton, N. Y.

Advertisement for FREE WATCH, RING AND CHAIN. We give to anyone a highly engraved stem wind 5-yr. guaranteed watch, proper size; also 3-stop sparkling ring, set in diamonds and we will send you watch, ring and handsome chain.

6 BEAUTIFUL Hand Painted Plates Free. Write for particulars. Emma Eikenberry, China Artist, Plattsmouth, Neb.

Virginia Farms and Homes FREE CATALOGUE OF SPLENDID BARGAINS R. B. CHAFFIN & CO., Inc., Richmond, Va.

Advertisement for YOUR OPPORTUNITY is NOW in the Province of SASKATCHEWAN Western Canada. Do you desire to get a Free Homestead of 160 Acres of that well known "Wheat Land"? The area is becoming more limited but no less valuable. New Districts have recently been opened up for settlement and into these railroads are now being built. The day will soon come when there will be no Free Homestead land left. A Swift Current, Saskatchewan farmer writes:—"I came here on my homestead, March, 1906, with about \$1000 worth of horses and machinery, and just \$50 in cash. Today I have 900 acres of wheat, 500 acres of oats, and 50 acres of flax." Not bad for six years, but only an instance of what may be done in Western Canada, in Manitoba, Saskatchewan or Alberta. Send at once for Literature, Maps, Railway Rates, etc., to Canadian Government Agent 125 W. 9th St., KANSAS CITY, MO. or Address, Superintendent of Immigration Ottawa, Ont., Canada

HOME DRESSMAKING

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



- 5734—Girls' Dress, sizes 6, 8, 10, 12 yrs.
- 5867—Misses' and Small Women's Sailor Dress, sizes 14, 16, 18 yrs.
- 6127—Ladies' Skirt, 5 sizes, 22 to 30 inches waist measure.
- 5700—Child's Nightgown, 6 sizes, 2 to 12 yrs.
- 6123—Ladies' Waist, 5 sizes, 34 to 42 bust.
- 5334—Five-Gore Skirt, 6 sizes, 22 to 32 waist. Width of lower edge for 24 waist is 3 3/4 yds.
- 5523—Ladies' House Dress, having seven-gore skirt, 7 sizes, 32 to 44 bust.
- 6102—Surplice Waist, 5 sizes, 34 to 42 bust.
- 5087—Child's Apron, sizes 4, 6, 8, 10, 12 yrs.
- 5150—Child's Tucked Dress, sizes 1/2, 1, 3, 5 yrs.

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.

Making the Incubator Useful.
[Prize Letter.]

Most of us will soon have our incubators set and busy at work. Did you know that they may be used for other things than hatching eggs? For several years I have used the top of my incubator as a place to raise my light bread dough. The gentle, even heat given off by the incubator seems to be just right for the dough. Watch it closely, however, for it will rise quite fast. The top of the incubator is also the finest kind of a place to start slow germinating garden and flower seeds, especially to-

matoc. I usually leave the small, shallow boxes containing the seeds on the incubator until the seeds germinate, then remove them to a sunny window during the day. Return to incubator at night if weather is freezing. Other uses for the incubator will readily suggest themselves. Seems to me it would be a fine place to test seed corn, too, though I have never tried it.
Mrs. K.
Emporia, Kan.

The Musings of Betty.

Take time to call on that neighbor lady. Your husband may own more broad acres than does hers, but she may have had greater opportunities for self culture than you have, and you may be able to spend a very enjoyable and profitable hour with her.

Simplicity is to be the keynote of the future. In other words, the time is passing when to be vulgar is to be fashionable.

Then men have said from time to time that women could break up the practice of smoking and chewing by refusing to recognize men who indulged. It is a well known fact that men did not like the hobble skirt, but who ever heard of a boycott being declared against the women who wore it?

When you butcher take a mess of spareribs to the neighbor on the corner. They will return the kindness when they have an opportunity. Let's get back to the sweet, old fashioned spirit of being neighborly.

Greeley, Colo. F. O. L.

Partnership Plan for Mother.

A boy's mother can keep hold of the boy if she is wise. There is a saying that while the boy is in dresses he stays by his mother but when he gets into pants he follows his father. I know a good many boys who will tell their closest secrets to their mothers a good deal sooner than to their fathers. The boy at our house has two business partnerships with his mother. One of these is the hen house and its population. As yet the hen and egg business hasn't gone upon a self supporting basis, for the "plant" has not yet been completed and paid for. But it has been profitable socially. The boy and his mother have conferences and conventions on the hen business that are promotive of much good fellowship.

Milton O. Nelson.

Aprons From the Old Shirts.

Make use of father's old shirts. Cut off the sleeves and they will make good summer night shirts for the small boys. My boy is 10 years old and he thinks they are fine. If you have no boys use the shirts to make small aprons. Use the backs for the apron and the rest for ruffles. Cut out the waist to suit you and button in the back with three buttons and buttonholes. They are very nice.



Mrs. J. H. Ferguson.

Gypsum, Kan.

Rule For Hard Soap.

Into 17 quarts of lukewarm water pour 2 cans of lye and 1/2 pound of borax, and stir until lye and borax are dissolved. Then weigh 8 pounds of cracklings or grease, add to the first mixture and boil for 1 hour from the time it begins to boil. When it is cold it will be hard as any soap and can be cut in cakes. It will be found superior to boughten soap for baby's clothing and for cleaning all stains, and much more healthful. I use nothing else in washing, and my clothes are always white.

Mrs. John Carroll.

R. 2, Lewis, Kan.

A Tested Cough Remedy.

Take the yolk of 1 egg and an equal quantity of pine tar. Whip well together, then thicken well with sugar, stirring all the time. This will make about a half cupful. Take a pill of this about the size of a pea three times a day. By the time all has been taken the cough will be cured. I have tried this on my children and myself several times and it never has failed.

Mrs. M. L. Starling.

Center, Tex.

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More than 200,000 people have saved from \$25 to \$125 in purchasing a high grade organ or piano by the Cornish Plan.—why shouldn't you? Here is our offer. You select any of the latest, choicest Cornish styles of instruments,—we place it in your home for a year's free use before you need make up your mind to keep it. If it is not sweeter and richer in tone and better made than any you can buy at one-third more than we ask you, send it back at our expense.

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You take no risk when you buy a buggy from us. We guarantee it to please you, and to be a bigger value for your money than you can get anywhere else, or you needn't keep it. References: S. Ill. Natl. Bank, East St. Louis, Ill.

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The steamer Titanic, largest and most luxurious vessel in the world, on her first ocean trip, crumples her steel prow against an iceberg and in four hours the great floating palace sinks with 1600 persons aboard. Numbered among the victims were some of the world's multi-millionaires and men identified with the world's greatest activities.

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BERKSHIRE boar pigs. Sired by prize winners. F. U. Dutton, Penolos, Kan.

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SIX BLACK JACKS—Good smooth, sound fellows. Priced to sell. Lewis Cox, Concordia, Kans.

GOOD young jacks ready for service, \$300 to \$500. One Imp. 6-year-old Belgian. Write Bruce Saunders, Holton, Kan.

DUROC HOGS, Bronze turkeys, Barred P. Rock and Brown Leghorn chickens for sale. E. M. Young, Fall River, Kan.

DRAFT STALLION to trade for western Kansas land or a good threshing rig. Write Box 12, Rt. 1, Blackwell, Okla.

FOR SALE—Two large Mammoth jacks and one imported Percheron horse. Call on address Doolin Bros., Harris, Kan.

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FOR SALE—Eight Jersey bull calves; some from high producing dams; some ready for use. Chester Thomas, Waterville, Kans.

FOR SALE or trade, one Percheron stallion, weigh about a ton; will trade for jack or Coach horse. F. Bollinger, Weir, Kan., R. 1.

FOR SALE OR EXCHANGE for cattle, mules or mares, 4 good jacks. Registered Standard Stallion, Standard Bred Stallion. Levi Shepard, Kincaid, Kans.

FOR SALE OR TRADE—One young Percheron horse or jack. Maxwell four pass, 4 cylinder automobile, in good order. L. care Mail and Breeze.

FOR SALE OR TRADE—Standard bred stallion 3 in May, also two mares, two and four in May, all registered. Wilks stock. A. B. Senter, So. Coffeyville, Okla.

ENTIRE DAIRY HERD—50 head of the best cows—Jerseys, Holsteins and Short-horns. Fresh and springing. Just bought from a retiring dairyman. Jack Hammel, 115 Adams, Topeka, Kan.

POULTRY.

INCUBATOR CHICKS die by hundreds with white diarrhoea. We save them. Send address of ten people using incubators, and get free, details, how we hatched, fed and raised fourteen hundred. Alva Remedy Co., Alva, Okla.

DAY OLD CHICKS and eggs for hatching. Large capacity, prompt service and a square deal. My free "Chick Book" tells all about it. Seth H. Leach, Prop., Crowhurst Mammoth Hatchery, 4338 Bellevue Ave., Kansas City, Mo.

SEEDS AND NURSERIES.

GOOD ALFALFA SEED \$9.00. Ph. 351. Brantville, A. L. Brooke.

COW PEAS, write for samples and prices. W. R. Hutton, Cordell, Okla.

100 BU. re-cleaned alfalfa seed. Send for sample. J. F. Laman, Portis, Kans.

SPANISH PEANUTS for sale 5c per lb. P. O. B. Aline, Okla. John W. Burkes.

CHOICE FRUIT TREES, ornamentals, berry plants. Waverly Nurseries, Waverly, Kan.

ALFALFA SEED for sale. Samples and prices on application. Chas. Jensen, Jamestown, Kans.

ENGLISH blue grass seed. Nice re-cleaned seed \$2.00 per bu. W. W. Dunham, Silver Lake, Kan.

150 BUSHELS of re-cleaned alfalfa seed \$8.00 per bu., sacks free. John Ryman, Dunlap, Kan.

SEED CORN—Iowa Gold Mine and White Cap; \$1.25 per bushel, sacks free. H. A. Hamilton, Yutan, Neb.

HOME GROWN alfalfa seed, finest quality, in any quantities. Write for sample and prices. D. Badger, Eureka, Kan.

MAMMOTH black hulled White Kafir. Hand threshed. Selected for early maturity 17 years. J. G. Mitchell, Lafontaine, Kan.

PEACH TREES—100,000; best varieties; finest trees. Wholesale prices for ten trees or car load. Boonville Nurseries, Boonville, Mo.

WANTED—The address of any parties who are to receive spring delivery of fruit trees from Mount Hope Nurseries, Lawrence, Kan.

SEED SWEET POTATOES, nine varieties, first class stock, direct from grower. Send for list and prices. W. A. Schreier & Sons, Argonia, Kan.

FREE. "A Salesman That Costs You Nothing," with special prices on high grade nursery stock. Send us your want list. Brown Nurseries, Hutchinson, Kan.

300 BEST VARIETIES strawberry plants. \$1.50 express paid full bearing strawberries, dozen \$1.25, 100 \$8.00. 25 Black Raspberries never winter kill. \$1.00. W. H. Koell, Box 740, Hampton, Iowa.

SEEDS AND NURSERIES.

250 STRAWBERRY PLANTS \$1.00. Best varieties. Wholesale prices on fruit trees. Free list. John F. Dayton, Waukon, Iowa, Drawer G.

PRIZE watermelon and muskmelon seed, true to name and sure to grow. 1/4 lb. 15c; 1/2 lb. 50c, postpaid. L. M. DeWeese, Richfield, Kan., wholesale grower.

YELLOW DENT seed corn, hand sorted, \$2.25 bu. up to five bu.; \$2.00 per bu. for 5 bu. or more. Choice timothy seed two dollars per bu.; sacks 25c. Beckett Bros., Carrolton, Mo.

JOHNSON CO. WHITE, selected at husking time; guaranteed pure and satisfactory. Germination test 99%. Won first at Manhattan. In ear sacked or crated \$2 per bushel. H. H. Neumann, Hanover, Kan.

ALFALFA SEED. Home grown, re-cleaned, non-irrigated alfalfa seed, \$5.00, \$6.00, \$7.00 and \$7.50 per bu. Our track, seamless bags 22c each. Samples and delivered prices on request. The L. C. Adams Mercantile Co., Cedar Vale, Kan.

PURE BRED Seed corn, Boone Co. White, Commercial White, McAuley White, Hildreth Yellow Dent, Kansas Sunflower yellow. Write for circular and prices. J. M. McCray, Manhattan, Kans. Member Kansas Crop Improvement Association.

FOR \$1.00 I will send you 8 apple, peach, cherry, plum or pear trees; or 75 Raspberry, Blackberry or Dewberry, or 20 grape, rhubarb, currant or gooseberry, or 100 asparagus or 200 strawberry plants; all first class. Catalogue free. Manhattan Nursery, Manhattan, Kan.

SEEDS WANTED.

SWEET CLOVER seed wanted. John Lewis, Madison, Kan.

LANDS.

65-ACRE FARM. Fine spring. Investigate. Wm. Meak, Licking, Mo.

\$10 AN ACRE for good Kansas land; terms easier than renting. C. Post, Mound City, Kans.

A GOOD 80 6/8 miles from Savonburg, Kansas, at \$4,500.00. P. C. Petersen, owner, Stark, Kan., R. 1.

IF YOU want a farm write me, I have some good ones easy terms, some good trades. Youngs, Howard, Kan.

240 ACRE grain and stock farm N. east Kan., good buildings, close to good town. Address Z, care Mail and Breeze.

20 ACRES with improvements, irrigated. Two miles from city. S. E. Idaho, \$2,600. John S. Griffing, Tecumseh, Kans.

EXCEPTIONAL farm bargain. Excellent farming country. Terms \$35.00 per acre. Write D. U. Esser, Chickasha, Okla.

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

FOR SALE, 100 acres choice 2nd bottom alfalfa and corn farm, well improved, 1 1/2 town. Owner R. F. Moore, Neosho Falls, Kans.

320 A. STOCK FARM for sale. Improved. 90 a. broke, rest pasture all fenced 4 miles Buffalo, Okla. Price \$5,000.00. Address W. A. Richmond, Argonia, Kans.

320 ACRES Hodgeman Co., seventy broke, \$6,000.00, 1/2 cash, balance long time low interest. School across the road. Box 38, Mount Hope, Kan.

SELL CHEAP or trade, two quarters smooth land in Panhandle Texas for livestock, auto or good threshing outfit. Henry Smith, Monrovia, Kans.

ONLY \$275 BUYS SMALL FARM. Share in profit paid until buyer takes possession. Write quickly for views and particulars. Geo. W. Deen, Box 564, Waycross, Ga.

CHEAP patented state school lands, South Texas, \$1 an acre cash, balance ten years. For all particulars write F. A. Connable, trustee, 516 Commercial Bank Bldg., Houston, Texas.

BARGAIN—140 acres, 110 nearly level cultivated, 6 miles out. P. O., school and church near. Fair buildings. Wire fences. Quick sale \$17.75. For information Book and land list write J. L. McKamey, Imboden, Ark.

DAIRY FARMS in central Wisconsin. All sizes and prices, we bring you to the owner so you can make your own bargain. Send for our free list. Homeseekers Information Bureau, Marshfield, Wis.

FOR EXCHANGE. A good improved stock farm of 280 acres, 7 miles from Concordia, Kans., to exchange for improved unincumbered, land in southeastern Kansas. W. C. Whipp & Co., Concordia, Kans.

IRRIGATED LAND, \$45 and \$50 an acre. Eight year payments. Perpetual water rights. Big crops each year. County seat. Literature approved by state officials. Write us now. Wyoming Development Co., Wheatland, Wyo.

IF WE would give you a 40 acre farm free along our line of railroad, would you be willing to tell your friends about our land opening? For particulars address Mr. J. B. Clark, Land Commissioner, Live Oak, Perry & Gulf Railroad Company, Box 136, Live Oak, Florida.

LANDS.

GOVERNMENT LAND. Get 320 acres. We can tell you of the most valuable locations for homesteads in Montana, Wyoming, Colorado. Booklet "Western Homesteads" 4c stamps. Western Homesteaders Exchange, Douglas, Wyoming.

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ADVERTISE YOUR PROPERTY in Kansas Weekly Capital for quick and sure results. 200,000 circulation guaranteed—among best farmers in Kansas. Advertising rate only 40c per line of seven words. Address Kansas Weekly Capital, Adv. Dept., Topeka, Kan.

GOVERNMENT FARMS FREE. Our 112-page book "Vacant Government Lands" describes every acre in every county in U. S. How secured free. Latest diagrams and tables. All about free government farms. Official 112-page book. Price, 25c postpaid. Webb Publishing Co., (Sta. K), St. Paul, Minn.

TEXAS Gulf Coast Country—Be your own judge. Our land grows lemons, oranges, figs, cotton, corn and onions; crops year around; no irrigation; fine climate; good water; railroad; price \$40; good terms. Write H. C. Blahm, 2930 Main St., Kansas City, or Muenster, Tex.

FOR SALE—45 acres fine valley land, well improved, fenced hog tight in several fields. Half alfalfa, balance will grow fine alfalfa. 8 acres fine timber, 6 miles of Salina, 1 1/2 miles of good town, 3 railroads. Price \$6,000. Terms. Drenning Bros., Salina, Kan.

TEXAS SCHOOL LAND is now on market. You can buy good land at \$2 per acre; pay 5 cents per acre cash and no more for 40 years but 3 per cent interest on the balance. Send 6 cents postage for further information. Investor Pub. Co., Dept. 71, San Antonio, Texas.

FOR SALE at a bargain, 20 acres of improved land, 1/4 mile from city limits, 6 room cottage, well and cistern, barn 40x40 with mow, hen houses with parks in connection. Fruit, apples to berries. Our town is electric lighted. Fine high school and church privileges. Write owner, H. E. Turner, Centralia, Kan.

FARM WANTED.

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

GENERAL MDSE. to trade for a farm of equal value or less; will invoice \$5,000; a money maker. Address Merchants, care Mail and Breeze.

FOR SALE.

USED BEE SUPPLIES. Hackwith Quincy, Kan.

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SUPERIOR POTATO PLANTER; only planted about 20 acres; will sell for half price. Reason for selling, not in potato country. H. Rumold, Dillon, Kan.

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YORK TRACTORS use low grade fuel, are slow speed engines, have no transmission bevel gears or chains. Are built in ten sizes. Sample engine at Newton. S. B. Vaughan, agent, Newton, Kan.

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\$130.00 BUYS a brand new piano fully warranted, stool and scarf included, freight prepaid, thirty days free trial in your home. Terms, Five Dollars per month. We are western distributors for Knabe, Ivers & Pond, Fischer and twenty others. Write Olney Music Company, Kansas City, Mo.

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GENERAL MDSE. to trade for a farm of equal value or less; will invoice \$5,000.00; a money maker. Address Merchant, care Mail and Breeze.

MALE HELP WANTED.

EXPERIENCED farmer with two able-bodied sons desires to move to Kansas and farm on the shares. Address W. C. Harrison, Humansville, Mo.

WANTED—Reliable men in every County to sell nursery stock. Liberal terms. Outfits free. Experience unnecessary. Write F. H. Stannard & Co., Ottawa, Kans.

MALE HELP WANTED.

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.

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

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.

HELP WANTED.

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

GOVERNMENT farmers wanted—Examination April 9. Prepare now. \$75 monthly. Write Ozment, 38 F, St. Louis, Mo

WANTED—Railway mail clerks. \$75.00 month. Examinations everywhere. Coaching free. Franklin Institute, Dept L 54, Rochester, N. Y.

WANTED—2,000 railway mail clerks and clerk-carriers for parcel post. Examinations soon. Splendid salaries. Trial examination free. Write Ozment, 38 St. Louis, Mo.

RAILWAY MAIL examination everywhere May 3d. Clerk-carrier soon. Hundreds needed account parcels post. Work for Uncle Sam. Salaries raised. Write American Institute, Dept. B, Kansas City, Mo.

MEN AND WOMEN WANTED for government parcels post positions. \$90.00 month. Write for vacancy list. Franklin Institute, Dept L 54, Rochester, N. Y.

PREPARE for a good paying government position; \$75.00 to \$100.00 per month. Work very pleasant. Promotion sure. We prepare for civil service positions. Our \$10.00 and \$15.00 special introductory tuition offer will prove a big investment to you. Address The Southwestern Correspondence School, Box 654, Wichita, Kan.

MEN AND WOMEN WANTED for government positions. \$90.00 month. Annual vacations. Short hours. Parcels post means thousands of railway mail clerks needed "Pull" unnecessary. Farmers eligible. Write immediately for free list of positions open Franklin Institute, Dept L 54, Rochester, N. Y.

YOUNG MAN, would you accept and wear a fine tailor made suit just for showing it to your friends? Or a Slip-on Raincoat free? Could you use \$5 a day for a little spare time? Perhaps we can offer you a steady job? Write at once and get beautiful samples, styles and this wonderful offer. Banner Tailoring Company, Dept 192, Chicago.

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

AGENTS WANTED.

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

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.

AGENTS—\$75 to \$200 per month easy, selling high-grade guaranteed cutlery, direct from factory. H. Vale cleared \$2,000 last year. McFadden \$1,800. Write for particulars. United Cutlery Co., 617 E. Fourth St., Canton, O.

AGENTS—Would you take a steady job where you can make \$30 weekly and chance to work up to district manager with yearly profits of \$3,000 or more. No experience required. My goods are snappy self-sellers that make and hold customers. Need fifty more agents now. If you want to make big money quick, write today. E. M. Davis, 1052 Davis Block, Chicago.

SALESMEN WANTED.

SALESMEN for Winona Mills hosiery, underwear and sweaters direct to wearers—Kansas or Missouri; small capital necessary for handling orders; fine opportunity for capable man. Correspondence confidential. Paul Shortridge, Manager, Metropolitan Bldg., Saint Louis.

SALESMEN—To sell high grade guaranteed groceries at wholesale direct to farmers, ranchmen and all consumers. Earn \$4 to \$10 and up per day. A big chance to get into business for yourself. Save the buyers permanent one. Demand constantly increasing. Latest plan. F. M. Hitchcock Hill, Chicago.

DOGS.

SOME fine Scotch collie pups. M. M. Guffy, Canute, Okla.

SCOTCH COLLIES. Western Home Kennels, St. John, Kans.

GREY HOUNDS, all ages, cheap. John Hageman, Riley, Kan.

FOR SALE—Thoroughbred snow white Pomeranian puppies. J. A. Crozier, Knoxville, Iowa.

REGISTERED English bloodhounds; young stock, guaranteed to make man-trailers. Best blood in world. Max J. Kennedy, Fredonia, Kan.

SCOTCH COLLIE puppies, finely marked, sable, white collars. Males \$7, females \$5. Fine brood bitch \$15. Wm. Graham, Eldorado, Kan.

PATENTS.

PATENTS obtained. Best work at lowest rates. Harry Patton, 360 McGill Bldg., Washington, D. C.

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

PATENTS THAT PAY. \$561,530 made by clients. Patent book—"What and How to Invent"—Proof of Fortunes in Patents" free. 112-page guide. E. E. Vrooman, Pat. Atty., 885 F St., Wash., D. C.

TYPEWRITERS.

OLIVER VISIBLE TYPEWRITER for sale cheap. Perfect condition and does splendid writing. Could send on trial. Write to Charley Rickart, Route 5, Rosedale, Kan.

SITUATION WANTED.

WANTED by married man. Work on farm; experienced cattle feeder. One child. Give good reference. Jesse A. Miller, Horton, Kan.

SILOS.

Solid, reinforced concrete silos and forms. Write for prices. F. E. Vansant & Son, 519 West St., Topeka, Phone 1758 White.

MISCELLANEOUS.

WANTED—Ladies desiring beautiful complexion to write Specialty Co., Kiowa, Kan.

TO RENT—A small place suitable for poultry raising. Address Box 98, Madison, Kans.

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

EARN \$25.00 per week; be an automobile man. Dept. 100. Auto School of St. Louis, 1917 Pine St.

KEEP your furs until you get our latest price list. Give us a trial. McCaslin & Son, McCune, Kan.

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

FOR TRADE—Five room house and three lots in Herrington, Kans. Would trade for Jack, Stallion or engine. Ed Schmidt, Geneseo, Kans.

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.

\$250.00 PAID for distributing 2,000 free packages Perfumed Soap Powder in your town. Reliable men or women. No money required. M. B. Ward & Co., 1770 Berteau Ave., Chicago.

LOUISIANA pure sugar cane syrup. Put up at the mill in sealed pails. No glucose or any sulphur dioxide in our syrup. 12 one gallon pails for \$8.00. We pay all the freight. Mary & Tuma, Washington, Louisiana.

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We are the oldest established Fur House in Kansas City—have been paying highest cash prices and always giving our customers a square deal on every shipment since 1870. Ship us all your

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M. Lyon & Co., 226 Delaware St., KANSAS CITY, MO.

MARKET PROBABILITIES

Shippers Have the Upper Hand in Cattle Markets and Traders See Nothing but Further Advances for March and April—Hogs Back on \$8-Basis With Short Supplies Favoring a Rising Market—Grain and Hay Weak

[Written Specially for the Farmers Mail and Breeze.]

Substantial advances occurred in cattle prices last week, with the market closing firm, and buyers rather short on their orders. Whether the advance is continued or a relapse occurs will depend on the supply. Shippers now have the upper hand, and if they continue light supplies further advances will occur. The advance last week was quoted at 25 to 50 cents, more than 40 cents up at the higher or lower figure. Making a 50 to 75-cent rise since the low point in January some three weeks ago. February is usually not a very good month for marketing fat steers, but the rise in prices in the past two weeks seems to have broken the hoodoo. Traders do not look for a much further advance this month, but they say a big advance is due in March and April, the highest levels of the season being expected the latter part of April. In the past few days packers lost control of the fat steer trade and were kept riding to fill their meager orders. The top price paid in Chicago was \$9.25, and \$8.75 was the top figure at other markets, though primeness is a scarce article west of the lake market. The bulk of the fat steers is moving at a \$7.50 to \$8.50 quotation and the cheaper kinds are relatively higher than those selling above \$8.50. As the season advances beef requirements will be for lighter cuts of beef, and tidy weight, well finished yearling steers are about due for a big advance. Colorado, the Panhandle, Oklahoma, and some districts of the corn belt will have to supply fed cattle for about three months before grass fat steers are available. The corn belt supply is low, and the cattle on feed are in strong hands so that an even movement to market is expected. A good many are holding their cattle on light feed with the view of grazing this summer.

Butcher Cattle Scarce.

Between light supplies at markets and an eager demand from the country for stock cows, heifers, springers and milch cows there is little left for killers. Supplies last week were plain in quality, a top notch of \$8 was paid for heifers, with about \$8.25 quoted for the limit. Cows sold up to \$7.50, and the bulk of all the butcher stuff was at \$5.50 to \$7.50. Killers would welcome larger supplies and better quality. The latter will probably slow up in April, though at no time will receipts be large. Compared with the preceding week prices last Friday were 15 to 25 cents higher. Farmers are turning old cows, worn out bulls and stags to a good advantage. Veal calves are quoted stronger.

Brisk Trade in Thin Cattle.

Buyers are keeping the alleys hot at markets and showing about as much speed in the Southwest, in their quest for thin cattle. It is hard to find good stock and feeding cattle, and consequently there is more demand than supply. The market for stock and feeding steers is quoted at \$6.50 to \$8, stock cows and heifers \$4.25 to \$6.75, stock calves \$5.50 to \$7.75, and milch cows \$35 to \$90 a head. Strictly fancy stuff in any class would exceed these quotations, and commonest kinds probably fall below the bottom quotations, but the grower is getting the full worth in any class. Dealers say that as the spring season approaches prices will go still higher.

Shorts Supplies the Talk.

Last week's news and gossip confirms the general reports of preceding weeks that cattle are scarce. The story is now rampant in the Southwest that Old Mexico is short on cattle and will have to restock from the United States. Yearlings in the extreme Southwest are selling at \$22 to \$32, a head, the Northwest is buying wherever they can locate anything worth while and the producer is practically making his own prices. The large markets east of Chicago are buying both cattle and hogs at central-western markets.

John C. Wells, a buyer for a Philadelphia packer is in Kansas City buying stuff for his firm. He says the general topic among his trades people in the east is the pronounced scarcity of cattle and hogs, and the high prices prevailing. He is of the opinion that prices will go still higher. With the east, west, southwest and northwest trying to get cattle, both fat and thin, from the central west it looks as though something new in the price line is due in the next two months.

Substantial Rise in Hog Prices.

The first three days last week the hog market went on an \$8 basis, the first time since October that the general market has been that high. The top price in Chicago Wednesday was \$8.47 1/2, in St. Louis \$8.55, and other markets \$8.20, with a general bulk above \$8. The high time marked a clear 50-cent advance over the preceding week, but in the final dealings last week they were moderately lower, though on a much better basis than in the preceding week. The main cause of

the advance was continued light receipts and buying by shippers. Thus far this year the five western markets received 525,000 fewer hogs than in the same period in 1912. Markets east of Chicago are recuperating their supplies at western points and packers had to meet this competition. Mess pork in Chicago reached a \$20 a barrel top on the board of trade. February is not expected to uncover much higher prices, but another general advance is expected in March. Present prices for hogs are about \$1 a hundred pounds above the low point in January.

No Important Change in Sheep.

Sheep prices last week showed no important change compared with the average of the preceding week. In some cases prices were higher, but the average for the two weeks was much the same. The bulk of the good fat lambs was sold at \$8.50 to \$9, yearlings \$7 to \$7.50, ewes \$5.25 to \$5.65, and wethers \$5.50 to \$6.15. The general position of the market is firm. Receipts continue fairly liberal, but supplies are being absorbed readily, and a period of light receipts would result in a general advance in prices. Light weight yearlings, light lambs and other light weight sheep are strong favorites over the heavier classes. A good many heavy fed sheep are in feed lots ready for shears as soon as the weather takes a favorable turn. Colorado sheep are being absorbed readily, hay feds from the Northwest are pretty well in, and the corn belt has fewer sheep than a year ago.

The Movement in Livestock.

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

	Cattle	Hogs	Sheep
Kansas City	30,225	46,500	43,450
Chicago	45,700	172,000	90,500
Omaha	19,400	66,400	52,500
St. Louis	17,500	54,500	11,600
St. Joseph	8,800	37,100	10,500
Total	121,625	376,500	208,550
Preceding week	126,500	358,800	189,800
Year ago	123,575	479,300	213,060

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			
Chicago	\$9.15 \$6.25	\$8.35 \$6.25	\$7.90 \$5.75
Kan. City	8.75 6.75	8.15 6.20	7.65 5.50

The following table shows receipts of cattle, hogs and sheep at each of the western markets Monday, February 17:

	Cattle	Hogs	Sheep
Kansas City	11,000	9,000	13,000
Chicago	23,000	48,000	30,000
Omaha	6,000	6,000	12,000
St. Louis	5,500	11,500	3,000
St. Joseph	2,200	6,000	6,000
Total	47,700	80,500	64,000
Week ago	40,300	82,600	54,500
Year ago	49,260	106,300	69,500

Farm Mares Wanted.

The Central West is buying farm mares and for the right kinds is paying \$150 to \$175 a head. Demand is active. For other lines of horses and mules trade was less active last week than in the preceding week, as both southern and eastern buyers were rather scarce. However this is only a temporary lull in the trade, and according to dealers a brisk trade is expected well into the summer months.

Grain and Hay Markets Weak.

The feed markets are weak. Corn, wheat and oats were quoted down 1 to 3 cents last week and at the lower prices there was only a limited demand. Dry weather in some of the wheat belt caused some uneasiness, but the plant this far has suffered none. An early seeding time will have a tendency to weaken prices further. Lack of demand and liberal receipts keep the hay market weak. Both alfalfa and prairie hay have been offered freely, and tame hay was in moderate supply.

The following prices prevail for grain in Kansas City and St. Louis:

	Kansas City	St. Louis
Wheat—		
Hard No. 2	\$.87 @ .88 1/2	\$.89 1/2 @ .91
Soft No. 2	\$.99 @ 1.03	1.07 @ 1.08
Corn—		
White No. 2	.47 1/2 @ .48 1/2	.51 @ .51 1/2
Mixed corn	.47 @ .48	.48 1/2 @ .49
Oats—		
No. 2 white	.34 @ .34 1/2	.35 @ .36
No. 2 mixed	.33 @ .33 1/2	.34 @ .34 1/2

The following comparisons 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
1913 1912			
Chicago	\$1.08 \$1.10	49 1/2 62 1/2	34 1/2 52 1/2
Kan. City	1.03 1.06 1/2	48 65 1/2	39 53 1/2

Seeds.

Kafir corn, No. 2 white, 85 1/2c a cwt.; No. 3 white, 84c a cwt.; alfalfa, \$9@12 a

cwt.; flaxseed, \$1.16 a bushel; timothy, \$1.50@1.75 a bushel; cane seed, 80c@1.25; red top, \$1.22; millet seed, 95c@1.15.

Hay Prices in Kansas City.

The following is the range of quotations on the Kansas City hay market:

Prairie, choice	.....	\$10.00@11.00
Prairie, No. 1	.....	9.00@9.50
Prairie, No. 2	.....	7.00@8.50
Prairie, No. 3	.....	5.50@6.50
Timothy, choice	.....	13.00@13.50
Timothy, No. 1	.....	11.50@12.50
Timothy, No. 2	.....	8.50@11.00
Timothy, No. 3	.....	5.50@8.00
Clover mixed, choice	.....	12.00@13.00
Clover mixed, No. 1	.....	11.00@12.00
Clover mixed, No. 2	.....	9.00@10.50
Clover, choice	.....	12.00@12.50
Clover, No. 1	.....	10.50@11.50
Clover, No. 2	.....	9.00@10.00
Alfalfa, fancy	.....	16.00@17.00
Alfalfa, choice	.....	14.50@15.50
Alfalfa, No. 1	.....	11.50@14.00
Alfalfa, No. 2	.....	8.00@11.00
Alfalfa, No. 3	.....	6.00@7.50
Straw	.....	4.50@5.00
Packing hay	.....	4.50@5.00

Slumbering Broom Corn Market.

Broomcorn men are watching closely for some signs of life in the market, and whenever a sale is heard of, it is reported quite extensively. The general features of the market are lack of demand and no uneasiness on the part of growers on account of the dullness. Prices are nearer nominal than actual, and quotations for choice green selfworking stock are \$85 to \$100 a ton; fair to good, \$45 to \$80; common to fair, \$20 to \$40.

Livestock in Kansas City.

Advances of 25 to 50 cents occurred in cattle prices last week. The top price, \$8.65, was paid on Tuesday, so that later in the week values for prime beefs were not tested. Several loads brought \$8.35 to \$8.50, and the bulk of the fat steers sold at \$7.50 to \$8.25 on the native side, and at \$6.50 to \$7.25 on the quarantine side. The extreme range on cows was \$3.75 to \$7.40, and heifers \$4.50 to \$8. Veal calves sold at \$5 to \$10, most of the light weight veals brought \$9 to \$9.75. Some heavy feeders sold at \$8.10 and most of the straight feeding steers sold at \$7.25 to \$7.65. Demand for all classes of stock cattle was active.

Hog prices last week showed a net advance of 25 cents, though closing prices were 1 to 15 cents under the high level Wednesday. General demand is active.

The following table shows the range in hog prices in Kansas City in the past two weeks.

	Last week	Preceding wk.
Monday	..... \$7.60@7.85	7.35@7.60
Tuesday	..... 7.80@8.20	7.35@7.70
Wednesday	..... 7.85@8.20	7.40@7.75
Thursday	..... 7.80@8.20	7.30@7.65
Friday	..... 7.85@8.10	7.35@7.75
Saturday	..... 7.85@8.05	7.00@7.85

Lambs sold up to \$8.75, yearlings \$6.65, ewes 5.75, and wethers \$6.75. From these top prices down the spread in quotations was about \$1 and while sheep were up about 25 cents, lambs were about net unchanged.

The following table shows receipts of cattle, hogs and sheep in Kansas City thus far this year and the same period in 1912:

	1913	1912	Inc.	Dec.
Cattle	211,814	212,554	.....	740
Calves	13,260	12,268	992	.....
Hogs	370,652	492,147	.....	121,495
Sheep	235,043	290,283	.....	55,240
H. & M.	16,011	14,563	1,448	.....
Cars	14,850	16,765	.....	1,915

Livestock in St. Louis.

Quotations for beef cattle last week were advanced about 25 to 35 cents under an active demand. Receipts of southern cattle were liberal, including a good many plain Arkansas and lower Mississippi steers. Choice to fine beef steers are quoted at \$8.50 to \$9, good to choice, \$7.50 to \$8.50; butcher steers, \$6.25 to \$7.50; stockers and feeders, \$5.25 to \$7.25; cows and heifers, \$5.50 to \$8; canners, \$4 to \$5.50; Texas and Indian steers, \$5 to \$7.90; c s and heifers, \$3.75 to \$6.50; veal calves, \$4.50 to \$10.50.

The local market closed last week with a 25 to 30 cent net advance though Saturday's prices were 10 cents under the high level of the week. The top price was \$8.45, and bulk \$8.25 to \$8.40. Butcher grades are bringing the top prices.

Lambs showed about the same price range last week as in the preceding week, and sheep were 25 to 35 cents higher. Choice lambs are quoted at \$8.25 to \$9; fair to good, \$7 to \$8.20; yearlings, \$7 to \$7.85; and muttons, \$5 to \$6.25.

The following table shows receipts of cattle, hogs and sheep in St. Louis thus far this year compared with the same period in 1912.

	1913	1912	Inc.	Dec.
Cattle	126,277	96,473	29,804	.....
Hogs	372,307	434,893	.....	62,586
Sheep	97,740	114,004	.....	16,264
H. & M.	31,681	31,120	561	.....
Cars	10,251	9,888	363	.....

Butter, Eggs and Poultry.

Elgin, Feb. 17.—Butter this week is firm at 34 1/2 cents.
Eggs—Firsts, new white wood cases included, 17@17 1/2c a doz; "current receipts," 17c; seconds, 11@12c.
Butter—Creamery, extras, 33 1/2@35 1/2c a lb.; firsts, 31@33c; seconds, 30@31c; packing stock, 19 1/2c.
Live Poultry—Broilers, 16@18c a lb.; spring chickens, 12@13c; hens, 12 1/2c; young roosters, 9 1/2@10c; old roosters, 8@8 1/2c; young turkeys and turkey hens, 16 1/2@17c; old toms, 13@14c; cull turkeys, 7@8c.

Produce Prices Now and One Year Ago.

	Butter	Eggs	Hens
1913 1912			
Chicago	18 1/2 26	35 28	14 1/2 13 1/2
Kan. City	17 1/2 30	36 1/2 26 1/2	12 1/2 11

Editorial News Notes.

G. M. Ditto, Box 86 Joliet, Ill., has been making the Ditto Feed Grinder for many years. This good grinder is in the hands of many of our readers, and it is giving them satisfaction. It is honestly and correctly made, triple geared, ball bearing, double cut. You buy it on a guarantee of satisfaction. If you don't want to keep it, Mr. Ditto will take it back and refund your money. Mr. Ditto claims it saves twice its cost the first year and every year. Mr. Ditto also makes and sells power grinders, gasoline engines, scales and derricks. Write for his catalog, addressing G. M. Ditto, Box 86, Joliet, Ill.

Henry Field of Shenandoah is publishing a little paper called Seed Sense. We have before us the first copy. Like everything else Mr. Field does this little paper is a good sense put in the Henry Field style. It is full of practical information about seeds, planting and sowing. On the last page Mr. Field gives the "Policy of the House." One of the rules is: "We believe in liberal treatment of customers, extra seeds, extra care in packing, and promptness and certainty in filling orders. And everyone who knows Mr. Field knows that he lives up to this rule. Here is another Field policy: "We get better prices than most seed houses, give better seeds, better measure and better treatment." Mr. Field evidently believes that most people are more particular about quality than price. If this isn't true it ought to be. "Cheap" seeds are usually high priced. Write for copy of "Seed Sense" and the Field catalog to Henry Field, Box 30, Shenandoah, Iowa.

Modern Silage Methods—Ninth Edition. The Silver Mfg. Company of Salem, Ohio, has issued a new, down-to-date edition of its book "Modern Silage Methods." It is a splendid work, elaborately illustrated and containing 264 pages. If you would see it you would guess that it would be sold for \$1, and it is worth that surely, for it is a very complete treatise on a subject in which most farmers are interested. And yet it will be sent for 10 cents to any of our readers who will send 10 cents for it, and it will be sent postpaid. Of course it cost the Silver Company more than this, and this small amount is asked for it as evidence that those who send for it are really interested in the subject of the silo and silage. The subjects of some of the chapters are as follows: "Advantages of the Silo," "Summer Silos," "Silage in Beef Production," "Silage System and Soil Fertility," "How to Build a Silo," "Concrete or Cement Silos," "Silage Crops," "Filling the Silo," "How to Feed Silage," "A Feeder's Guide." It is a really great book and it ought to be in the hands of the thousands of readers of this paper. Will you not send for it, addressing the Silver Mfg. Company, Salem, Ohio, and saying you saw the offer in Farmers Mail and Breeze?

The Universal Tractor. The latest application of the automobile motor to farm machinery comes in a form that appears to have unlimited possibilities. The Universal Tractor Cultivator is a compact, efficient and highly business-like device equipped with a powerful little motor and mounted on a sturdy frame work with heavy tractor wheels. This tractor, as the name implies, is "universal" in its adaptation to farm uses. If the operator has a job of cultivating to do he merely attaches his cultivator to the tractor, leaving Old Dobbin to snooze in the barn. The Universal Tractor travels under its own power to the field, where the tread between wheels can be regulated to any width from 23 inches to 42 inches. The depth at which the blades, knives or shovels of the cultivator are to operate is regulated by a lever in the center of the frame. The speed can be controlled absolutely without variation by setting the governor at the desired point. This speed will not vary no matter how uneven may

ply electric lights for house and barn. There would seem to be no limit to the possibilities of this tractor combining as it does the advantages of a self-propelling engine with those of the stationary power unit. It is the invention of Mr. T. B. Funk, an automobile man of Indianapolis, Indiana, who has the backing of a powerful group of financiers in the Universal Tractor Company recently incorporated for the purpose of placing these tractors on the market in a large way. The new company has secured a plant at Newcastle, Indiana, and they expect to be able to make deliveries in the very near future. See ad on page 48. Write for catalogue and full information to Universal Tractor Company, 30 Kay St., Newcastle, Indiana.

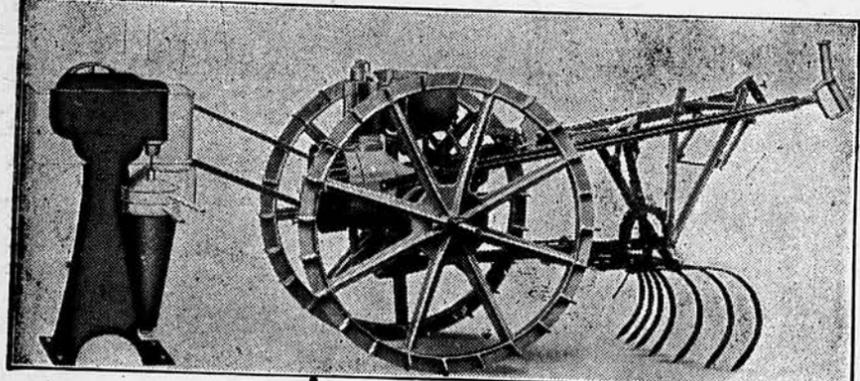
Perfect Fruit Assured.

The time has come—and progressive, thinking fruit men everywhere realize and admit it—when perfect fruit cannot be produced without spraying. Codling moth, canker worm, fungus and numberless other forms of insect and parasite life settle upon trees, blossoms and young fruit, and endanger not only the success of the season's yield, but threaten the very life of the orchards as well. With a suitable pump and materials, spraying is not a hard task, and the greatly advanced prices commanded by "fancy"—almost invariably sprayed—fruit, prove the result well worth the extra effort. One of the pioneer manufacturers of sprayers and materials is the Wm. Stahl Sprayer Co., Box 175, Quincy, Ill., who are offering this year a variety of Spray Pumps and accessories and a complete line of prepared materials for making the work easier and more effective. This firm is anxious to get into touch with all growers interested in producing perfect fruit, and their interesting catalog will be mailed to any address upon request.

Coffee Trees From Seed.

Do the beans of the Kentucky coffee tree require soaking to soften them before planting, and when is the proper time to plant them?—C. M., Lincoln, Kan. The seeds of the Kentucky coffee tree should be soaked before planting until the hard flinty covering softens, and then they must be planted in good moist soil and should be covered from 2 to 3 inches deep. The necessity of planting in moist soil is to prevent any danger of the soil absorbing the moisture of the seed and in this way retarding the development of the kernel after it starts to grow. The seeds can be handled equally as satisfactorily by planting in the fall. The thawing and freezing throughout the winter does not injure them and being subjected to moist conditions softens the seed coat so that germination takes place quite readily in the spring. Neither of these methods will give a uniform germination as the seeds are very irregular in regard to growth. Some of them will grow the first year, others will come up the second year and so on, perhaps for four or five years. Personally, I prefer fall planting to soaking. Charles A. Scott, State Forester, Manhattan, Kan.

Lubin's the Wrong Remedy, He Thinks. Mr. Editor—I read with pleasure Mr. Lubin's article in the Mail and Breeze, but while I agree with most of his views



be the load or how irregular the ground. The Universal Tractor is here shown in actual over load operation. The ground was sodden and heavy and the wheels sunk down several inches in the soft earth. Yet the Universal Tractor, running at three miles per hour, with an ordinary cultivator, had no difficulty in maintaining an even and uniform rate of speed and in completely demonstrating its effectiveness under the most unfavorable conditions. The Universal Tractor is said to be equally satisfactory for harrowing, weeding, drilling or any other field operation that can be done with implements drawn by one horse and it has the additional advantage of working with entire regularity and uniformity and at a rate of speed impossible of attaining with a horse-drawn implement. The usefulness of this tractor is not limited to field work, however. For the Universal Tractor is equipped with two pulleys, one for high speed and one for low speed work. These can be belt-connected to any piece of machinery which can be operated by any engine developing from three to five horse power. The same engine that furnished the locomotive power to propel the tractor to and from the fields will take it to the barn or wood lot where it will operate the grist mill, the cider mill, the fanning machine, the grindstone or the circular saw, the lathe or the force pumps. It will run the washing machine, churn, the butter or operate the cream separator, as occasion may demand and after the day's work is done it will run an electric generator to sup-

I think he has the wrong remedy for the control of the trusts. There is a certain greed in human nature that seems to be alike in all men. If farmers should co-operate there is no question they would have the rest of the world at their mercy. I don't see that this would better conditions at all. I have been suggesting a good income tax law that would limit the incomes of these big corporations, all their earnings over a certain sum to go back to the state or county where accumulated, the law also to apply in the same way to individuals. I believe this would do away with the desire to make monopolies bigger and bigger. Let us all insist that such an income tax law be passed by our next congress. Morland, Kan. G. W. Meyer. Best Farm Paper He Ever Saw. Mr. Editor—I consider the Mail and Breeze the best paper I ever saw. Everett Wilson. Box 132, Strong City, Kan.

Guaranteed Harness On Approval. We think so well of the harness we make that we do not hesitate to ship any set of harness listed in our big catalog without a cent deposit, and give you the opportunity of proving its value. NEVER-BREAK is absolutely guaranteed against breakage. No other manufacturer has ever dared to do so unless we were sure our quality and prices were absolutely right. Get Our BIG CATALOG and Save Money. Compare our prices with those of any other manufacturer of high-grade harness and then let us send you on approval the harness that you need. CHICAGO HARNESS & SADDLERY CO., Dept. A-2, 8 S. Dearborn St., CHICAGO

GRAND CHAMPION BUSHEL OF CORN. AT THE NATIONAL CORN EXPOSITION, OMAHA, DEC. 1909, BOUGHT BY ARTHUR CAPPER FOR \$280.00 AND BROUGHT TO BANNER.

Greatest Seed Corn Offer Ever Made! Grow Record-Breaking Crops From the World's Purest and Finest Seed Corn "Grand Champion" White. Grown from Grand Prize Bushel for Which I Paid \$280.00

Two Pounds FREE To Each Subscriber. I am reproducing here a photograph of the world's best bushel of Seed Corn—the bushel which was awarded first prize at the National Corn Exposition, Omaha, Nebraska, and which I purchased for \$280.00 cash. I gave some of this seed corn to Mr. H. V. Cochran, one of the most expert seed corn growers in America, and the seed which I offer here was grown from the prize bushel and you will find it the equal of the original bushel, which brought perhaps the highest price ever paid for a bushel of seed corn. The corn is a large pure white, deep grain, matures in less than 100 days and is an extra heavy yielder. I believe this to be the greatest opportunity ever presented for the readers of my paper to make a record increase in the quality and yield of future corn crops. The way to improve the corn crop is by the use of high-bred seed—and here is seed which I believe cannot be equaled by any other, no seed to plant your entire acreage next year.

Here Is My Great Offer To MAIL AND BREEZE READERS

I have had this "Grand Champion" for each new yearly subscription you corn put up in one pound packages all ready for mailing. As long as my supply lasts I am going to give it away on these very attractive offers: Two pounds of corn and a year's subscription (new, renewal, or extension) to Farmers Mail and Breeze—for \$1.00. I will also give you two additional pounds regular rate.—2 pounds with each yearly subscription. You pay nothing for this corn—it is mailed to you, postpaid, as a free gift for your own or your neighbor's subscription to The Mail and Breeze at the regular rate. You've no time to lose if you want to be sure of getting your share of this at once. If too late, I will notify you a very limited quantity and can secure no more at any price when this supply is gone. Send your subscription or renewal on this greatest seed corn offer. Address ARTHUR CAPPER, Publisher, TOPEKA, KANSAS

BE QUICK! No Time to Lose!! When My Small Supply Is Gone No More Can Be Had at Any Price! Use This Coupon NOW! ARTHUR CAPPER, PUBLISHER MAIL AND BREEZE, TOPEKA, KANSAS. I enclose \$1.00 for which send Mail and Breeze one year, also send me free and prepaid Two Pounds of your "Grand Champion" White Seed Corn as per offer. This is a.....subscription. (State whether new, renewal or extension.) My Name Postoffice R. F. D. State..... (Use letter paper for sending other subscriptions.)

WHAT BREEDERS ARE DOING

FRANK HOWARD,
Manager Livestock Department.

FIELDMEN.

A. B. Hunter, S. W. Kansas and Oklahoma, 1124 So. Market St., Wichita, Kans.
J. W. Johnson, 820 Lincoln St., Topeka, Kan., N. W. Kansas and S. Nebraska.
N. Walker, N. E. Kansas, N. Missouri, C. Flora Ave., Kansas City, Mo.
Geo. W. Berry, N. Nebraska and W. Iowa, Capper Bldg., Topeka, Kans.
H. W. Graham, E. Iowa and Illinois, Childie, Mo.
E. R. Dorsey, S. E. Kansas and S. Missouri, Glard, 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.

Combination Horse Sale.

Mar. 6—Mitchell County Breeders' Association, Beloit, Kan.

Percheron Horses.

Feb. 24—C. B. Warkentin, Halstead, Kan.
Mar. 5—J. C. Robison, Towanda, Kan., and Willard R. Brown, Minneapolis, Kan., at K. C. Mo. Stock Yards.
March 12th—L. H. Luckhardt, Manager, Tarkio, Missouri.
Mar. 13—C. W. Lamer, Salina, Kan.

Percherons and Jacks.

March 6—S. J. Miller, Kirksville, Mo.

Standard Bred Horses.

Feb. 24—C. B. Warkentin, Halstead, Kan.

Brood Mares, Work Horses and Mules.

Mar. 12—C. W. Lamer, Salina, Kan. (100 head.)

Belgian Horses.

March 6—Bayless-Dero & Co., Blue Mound, Kans.

Jacks and Jennets.

Feb. 25—Hutchins & Hineman, Sterling, Kan.
March 6—Bayless-Dero & Co., Blue Mound, Kans.
Mch. 10—G. C. Roan, La Plata, Mo.

Poland China Hogs.

Feb. 25—Deming Ranch, Oswego, Kan.
Feb. 26—J. W. Pfander & Sons, Clarinda, Ia.
Feb. 26—L. R. McClarnon, Braddyville, Ia.
Feb. 27—Olivier & Sons, Danville, Kans.
Mar. 8—I. E. Knox, South Haven, Kan.
Apr. 3—Roy Johnston, South Mound, Kan.

Duroc-Jersey Hogs.

Mar. 5—Sam'l Drybread, Elk City, Kan.
Mar. 6—Marshall Bros., Burden, Kan.
Mar. 7—W. W. Otey & Sons, Winfield, Kan.
Mar. 15—W. C. Whitney, Agra, Kan.

Herefords.

Feb. 26—Warren T. McCray, Kentland, Ind.
March 4-5—Funkhouser, Gabbert & Others at Kansas City. R. T. Thornton, Mgr., 1317 East 15th St., Kansas City, Mo.

Shorthorns

Mar. 14—C. G. Cochran & Sons, Plainville, Kan., at Lamer's sale barn, Salina, Kan.

Holstein Cattle.

March 15—Springdale Stock Farm, Concordia, Kans. Fairbury, Nebr., Phil Dawson and Col. C. W. Smith, Sale Managers.

Red Poled Cattle.

March 4—L. W. Beem, Smith Center, Kan.

Kansas and Oklahoma.

BY A. B. HUNTER.

D. F. McAllister, Severy, Kansas, whose ad appears in this issue offers to sell two Mammoth bred jacks at a price that will move them in a hurry. Terms on part of the purchase price can be had by giving proper surety. He will also consider a trade for good mares, or high grade or purebred cattle. These jacks are going to move quickly. Write him today mentioning Farmers Mail and Breeze.

Otey's Good Durocs.

W. M. Otey & Sons, Winfield, Kans., now have at the head of their herd Good E Nuff Again King 35203, one of the best breeding Duroc sires of the west as those who see his get will testify. They are not only fancy but growthy, large boned, fancy heads and ears. If you want a few excellent gilts or a young boar, something that will better your herd don't be afraid to trust Otey & Sons to select for you. Every hog they guarantee absolutely as described. In writing please mention Farmers Mail and Breeze.

Buy Big Type Sows.

Olivier & Sons, Danville, Kan., will sell February 28, 50 bred sows and gilts and five spring boars. These hogs have all been immunized. Most of them are either sired by or bred to such sires as Giant Expansion, Blue Valley Price or Blue Valley Hutch, two great breeding sons of the great sire Blue Valley Quality, the 1,000 pound hog owned by Thos. Walker. Blue Valley Price and Blue Valley Hutch not only have great size themselves but are chock full of quality, and have both given evidence of unusual breeding ability. These hogs have a cross of Expansion blood through the 1,000 pound Giant Expansion, and this cross of these sons of Blue Valley Quality has done nothing to lessen their size, but has developed a show yard type in quality. You will have an opportunity to buy here as good hogs as the most critical buyer would demand. Olivier & Sons' ad appears in this issue. Read it over and send your name for a cat-

alog and arrange to attend this sale. It is worth your while if you want hogs with both scale and quality.

Lookabaugh Sells Prize Winners.

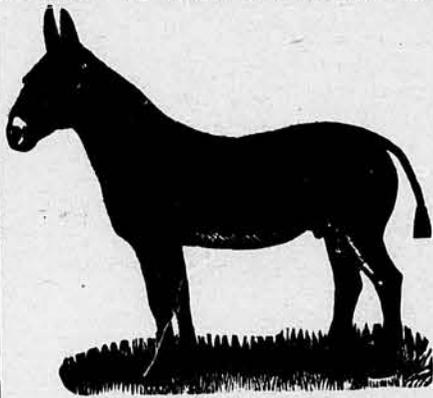
Under date of February 9th, H. C. Lookabaugh reports the sale of Gibson's Prince, at a very satisfactory price. This bull goes to Mr. Coldwater, Morgan, Oklahoma. Mr. Lookabaugh showed this bull last year, winning first with him in class at Pueblo, Oklahoma City and Muskogee. The young calves are beginning to arrive at Pleasant Valley Stock Farm. The calves by Violet Search out of Avondale cows are particularly pleasing to Mr. Lookabaugh. He also thinks he has a good sire in Lavender Lord. These calves are just beginning to arrive but they are showing up mighty nicely. Mr. Lookabaugh is preparing a show herd for the San Francisco Exposition. Note the Pleasant Valley Stock Farm ad in this issue and write for particulars about anything in breeding Shorthorns.

Jack and Stallion Buyers.

If you want a big boned jack or Percheron stallion it will pay you to visit the sale barns of J. C. Kerr, Wichita, Kan. He is offering 26 head of good jacks and stallions, 3 to 6 years old, which he wants to sell in the next 30 days. They are the kind that sire good big colts with good bone and quality, the kind that will demand good prices when you sell. Mr. Kerr has shipped over 500 jacks from Kentucky to Kansas in the last 10 years and sold them in Kansas and adjoining states—has sold jacks to the same buyers year after year. One of the reasons for Mr. Kerr's success as a jack salesman is that he knew the kind of jack that crossed best on the western mares, to produce good selling mules. Among the stallions Mr. Kerr has to offer is a 4-year-old Belgian that weighs 2,400 pounds, as fine an individual as can be found in any Belgian herd. Mr. Kerr's satisfied customers are his best references. He will be glad to show you through his barns. Call or write, mentioning Farmers Mail and Breeze.

Big Heavy Boned Jacks.

Come to Kingfisher Valley Stock Farm for the very best of jacks. I have the big, heavy bodied, heavy boned sort; black with white noses and lots of style. They are all registered and I give certificate with each animal sold; they are the sort that look good enough to draw big custom; they make the owner big money and sire the high



priced mules that are in demand every day after they are weaned; there is nothing else so sure money on a farm as raising mules. They are thrifty growers, not subject to any disease and if good colts will be worth \$400 to \$500 a pair when 30 months old and this can be grown sure from a few acres of Kafir corn. There should be a good jack in every community. If we would raise good mules and Kafir corn we will have plenty of money. I am giving easy terms and these fine young jacks soon pay for themselves. It only takes 60 to 100 colts. Come and see my stock. J. H. Smith, Route No. 3, Box 17, Kingfisher, Okla.

Percherons at Kansas City.

On Wednesday, March 5, 50 head of Percheron horses will be sold in the stock yards at Kansas City, Mo. This offering will include 20 mares and colts consigned by Willard R. Brown of Minneapolis, Kan., and 30 stallions and mares consigned by J. C. Robison of Towanda, Kan. Mr. Brown is dispersing his herd of Percherons. While this offering will not be large it will include some splendid animals. In laying the foundation of this herd Mr. Brown spared neither time nor money in making his selections. His purchases were made from the best herds in this country. The Robison herd is so well known that there is little occasion for comment on any offering coming from

that place. Mr. Robison is sending to this sale both imported and American bred animals, any one of which will add strength to any herd in the country. Look up the ad in this issue and if you have not already done so write Mr. Robison or Mr. Brown for a catalog. Arrange to attend this sale.

Bargains in Berkshires.

Leon A. Waite, proprietor of Walnut Berkshire Herd, Winfield, Kan., is offering some bargains in bred gilts. They are sired by Master Longfellow, by Lord Duke 8d, and Crusader's Rival. They are bred to Rival's Crusader, Legal's Rival and Lord Duke 8d. They are rich in Black Robinhood blood and



LEON A. WAITE

Breeder of Famous Black Robinhood Berkshires.

true to the present day Berkshire type. Mr. Waite, in founding his herd, selected his herd sows from 19 of the best herds in America and England and has proven himself a breeder by each year producing more and better Berkshires. If you have time and can conveniently do so, Mr. Waite would be pleased to have you call; if not, describe your wants by letter. Please mention Farmers Mail and Breeze.

Poland China Brood Sow Sale.

I. E. Knox, South Haven, Kan., will sell 40 head of big smooth type bred sows and gilts at public auction at his farm 4 mile south of South Haven, Kan., Saturday, March 8, also five head of young Hereford bulls 8 to 20 months old. Mr. Knox is an old time breeder of Poland Chinas and his herd is one of the best to be found in southern Kansas. His theory has been to develop size without sacrificing quality and he has succeeded. He will sell nine tried sows and 31 spring gilts. The tried sows are by such sires as On and On Chief, Corrector, D's Expansion. The gilts are mostly by K's Hadley by Big Hadley's Likeness. Most of the sows and gilts are bred to K's Orphan Chief by Orphan Chief. A few are bred to Long Mastiff by Young Mastiff, whose dam was by Orphan Chief. Read ad in this issue. Write today for catalog, mentioning Farmers Mail and Breeze.

Kansas and Nebraska.

BY J. W. JOHNSON

Jos. Wear & Son, Barnard, Kans., breeders of Oldenburg German Coach horses are changing their advertisement in Farmers Mail and Breeze this week and are inviting everyone to attend the big sale of registered horses that is to be held in Beloit, Kan., March 6th. They are consigning some very choice Oldenburg German Coach stallions in this sale and are anxious that all lovers of these beautiful and useful horses attend this sale.

Lamer's Percherons.

C. W. Lamer will sell 44 Percherons at public auction in his sale pavilion at Salina, Kan., Thursday, March 13. The offering will

consist of 12 imported stallions, 2 years old, weighing from 1,900 to 2,100 pounds. There will be 24 mares and fillies, all good, useful animals. Mares that are old enough to breed will be bred to imported stallions. Mr. Lamer is also going to sell 100 head of work stock, including mares, mules and geldings. On March 14, the day following the Lamer Percheron sale, C. G. Cochran & Sons of Plainville, Kan., will sell 70 head of strictly high class registered Shorthorns. Any of our readers interested in either Percherons or Shorthorn cattle will do well to make arrangements to attend this sale.

Cattle and Horse Sales.

C. G. Cochran & Sons, Plainville, Kan., will sell 70 head of registered Shorthorn cattle at Salina, Kan., March 14. The sale will be held in Lamer's sale pavilion which is a very comfortable and commodious barn built for the business. The offering is a draft from their big western herd of over 500 head. It is strictly a high class offering and one that should attract the attention of every Shorthorn breeder in the west. C. W. Lamer will sell 50 imported and home grown Percheron stallions and mares on the 13th. Both sales could be conveniently attended. Ask Cochran's for their catalog at once and mention Farmers Mail and Breeze when you write.

Hereford Bulls For Sale.

Fred D. Cottrell, Irving, Kans., is advertising 24 young Hereford bulls ready for service. He is making very attractive propositions on these bulls and is laying them down at your station at a very reasonable figure. They are all from his herd and bred by him. His Blue Valley breeding farm is the home of 175 head of Herefords and is the oldest herd in Marshall county, having been established over 30 years. His breeding is very desirable and you better get in touch with him if you need a bull. He also breeds Poland Chinas and Banded Rocks. He has stock for sale at all times and is an old established and reliable breeder that you will be glad you patronized. Write him tonight and you will get an answer by return mail.

The Mitchell Co. Horse Sale.

March 6 is the date upon which the horse members of the Mitchell County Breeders' association will hold a big combination sale at the fair grounds at Beloit, Kansas. 44 head will be sold, consisting of 36 registered Percheron stallions and mares, 3 French draft stallions, three German coach and four standard bred stallions and mares. In this combination sale there will be first prize and sweepstake winners at the American Royal, Topeka State Fair, Hutchinson State Fair and various county fairs. It is an offering of unusual merit. Mitchell county is the home of more individual breeders of good horses than any other county in any state west of the Mississippi river. More high class mares and stallions have been shipped into this county during the last four or five years than in any other section of country in the West. This combination sale consists largely of the produce of these great ancestors. The consigners in this sale are well known breeders who own farms in Mitchell county and who

Farmers Mail and Breeze Pays Advertisers.

Farmers Mail and Breeze, Topeka, Kan. Gentlemen—Inclosed find check for \$11.20 as per statement, amount due for advertising up to date. This made me a couple of good sales and am fully satisfied. Yours very truly,
JOHN A. DECKER,
Real Estate Dealer,
Valley Falls, Kan., Jan. 2, 1913.

Farmers Mail and Breeze, Topeka, Kan. Gentlemen—I have had a great many inquiries and have sold a large number of hogs through Farmers Mail and Breeze. Am all sold out on bred gilts just at present, but will soon be in line again. Yours very truly,
W. A. WILLIAMS,
Breeder of Duroc-Jerseys,
Marlow, Okla., Feb. 8, 1913.



Don't be humbugged any more! Gabel's World Beater Pig Forcyp is sold on 30 day free trial. Good reliable agents wanted. Reference: Bradstreet's Commercial Agencies and 1st Nat'l Bank, Hawkeye. Gabel Mfg. Co., Hawkeye, Ia.

MISSOURI AUCTION SCHOOL
LARGEST IN WORLD
Special 4 weeks actual practice term, start at any time in January and finish in February. We now have a large class in attendance.
W. B. CARPENTER, President,
14th and Grand Avenue - KANSAS CITY, MISSOURI

HEREFORD SALE

By FUNKHOUSER, GABBERT and OTHERS
100 QUALITY HEREFORDS 100
60 Bulls, 40 Cows and Heifers. Our 7th Big Annual 2-Days Sale
Kansas City, Mo., March 4 and 5



EVERY ANIMAL TESTED FOR TUBERCULOSIS. Sixty splendid big lusty Bulls of serviceable age. Forty excellent young cows safe in calf or with calves at side. Representatives of herd bulls that have made Hereford History. A selected lot from the following well known breeders: Benton Gabbert, Dearborn, Mo.; Funkhouser Estate, Plattsburg, Mo.; R. T. Thornton, Kansas City, Mo.; J. W. Lenox, Lake City, Mo.; W. A. Dallmeyer, Jefferson City, Mo.; S. J. Gabbert, Dearborn, Mo.; T. W. Carmichael and James A. Gibson, Okeesa, Mo.

We have sold you good cattle at our former sales, but never before have we been able to offer you as many High-Class Cattle as at this sale. For Catalogues or Other Information Address **R. T. THORNTON, Mgr., 1317 E. Fifteenth St., Kansas City, Mo.**

LIVESTOCK AUCTIONEERS.
Wm. H. Harper, LIVESTOCK AUCTIONEER,
GLASCO, KANSAS. Phone for Dates.

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

COL. HOMER BOLES, Randolph, Kan.
 Livestock and General Auctioneer.

Col. D. F. Perkins, Concordia, Kan.
 Up-to-date methods in the Auction business. Purebred stock sales and big sales generally. Write for dates.

L. R. BRADY LIVESTOCK AUCTIONEER
 Manhattan, Kan. Write or wire for dates.

COL. S. B. YOUNG, Osborne, Kan.
 Livestock Auctioneer. Write for dates.

R. H. DENGATE, Lucas, Kan.
 LIVESTOCK AUCTIONEER.
 DATES CLAIMED ARE PROTECTED.

N. S. HOYT, Mankato, Kan.
 Livestock Auctioneer. Big Horses and other Stock Sales a specialty. Terms reasonable. Special service to breeders.

T. E. GORDON, WATERVILLE, KANS.
 Livestock and Real Estate Auctioneer.
 WRITE FOR DATES.

Will Myers, Livestock Auctioneer
 Beloit, Kansas.
 Write or phone for dates. I am located right to give good service.

Col. J. R. LOYD, ATHOL, KANSAS.
 LIVESTOCK AUCTIONEER.
 Write for terms and dates, and reference.

Col. N. B. PRICE, Mankato, Kans.
 LIVESTOCK AUCTIONEER.
 Please or write for dates. Bonney K. heads my Duroc-Jersey herd

G. A. DRYBREAD Elk City, Kans.
 Live stock and farm sales made anywhere. Give me a trial. Satisfaction guaranteed.

G. G. DENNEY GUIDE ROCK, Nebr. Livestock Auctioneer. Pure bred stock sales and big farm sales. Write or phone.

SALE BILLS Printed on heavy paper 11x17 inches in 2 colors. Sent post paid \$2 per 100; 200 for \$3. Send 2c stamp for sample and particulars. C. S. DEMARKE, Printer, Dept. C, 619 Walnut, Kansas City, Mo.

John D. Snyder HUTCHINSON, KANSAS
 LIVE STOCK AUCTIONEER
 Wide acquaintance and practical knowledge of draft horses and pure bred live stock, all breeds.

FRANK J. ZAUN FINE STOCK AUCTIONEER
 INDEPENDENCE, MO. Bell Phone, 675 Ind.
 "GET ZAUN, HE KNOWS HOW!"

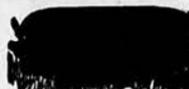
R. L. HARRIMAN Live Stock Auctioneer
BUNCETON, MISSOURI

BERKSHIRES.
Hazlewood's Berkshires!
 Choice spring boars and gilts priced to sell. Write today. W. O. Hazlewood, R. 8, Wichita, Kansas

GOOD SOWS BRED
 to champions and grand champions. I also have some splendid fall pigs that I will sell single or in pairs no kin.
C. G. NASH, Eskridge, Kan.

'BERKSHIRES, SHORT-HORNS and JERSEYS
 FOR SALE—25 boars by Robinhoo Premier 2nd or Rival's Lord Premier, and out of sows representing such sires as Imported Baron Compton, Berryton Duke and Premier Longfellow. Also a choice Shorthorn bull calf by Silk Goods and out of a show cow.
W. J. CRIST, :: OZAWKIE, KANSAS

THE Walnut Berkshire Farm



Where prize winners are bred, developed and sold at reasonable prices.
LOOK! LISTEN! Now booking orders for March and April pigs, \$15.00 each in pairs or trios.
BRED GILTS
 I have 30 very choice gilts weighing from 300 to 300 lbs., bred for March, April and May farrow. These are high class Robinhoo bred gilts and bred to either Rival's Crusader or Legal's Rival. Priced from \$40 to \$60 each. Priced for immediate sale. A splendid grandson of Masterpiece, weighs about 300 lbs., very gentle and a guaranteed breeder; a first class sire. Priced, if taken soon, \$75.00. Special attention always given mail orders and perfect satisfaction guaranteed. Visitors always welcome.
Leon A. Walte, Winfield, Kansas

are doing more than their share to build up the purebred horse industry not only in Mitchell county but in the West. It will be an offering that will prove superior to the ordinary registered horse sale, and should attract the attention of breeders and farmers generally who are interested in better horses. Beloit is on the Central branch 200 miles west of Atchison. It is the terminus of the Solomon Valley branch of the Union Pacific connecting with the main line at Solomon, Kansas. This affords the best of train service. The sale will be conducted under cover and every effort will be made to make those attending the sale comfortable. Catalogs are ready to mail. Address either M. A. Smith, Cawker City, Kansas or Chris Hansen, Beloit, Kansas, mentioning Farmers Mail and Breeze.

Walker's Big Poland Sale.
 Thos. F. Walker & Sons's sale of Poland China bred sows at Fairbury, Neb., last Saturday, was attended by the largest crowd of breeders from over Nebraska and Kansas ever seen in Southern Nebraska at a public sale. It was their 13th annual sale and no better testimonial could be desired than this big crowd of prominent breeders which came early and demonstrated their faith in the Walkers by making it one of the most spirited and snappy sales of the season. It took Col. H. S. Duncan less than two hours to sell the entire offering of 45 head. It was a very even offering and the average of \$58.60 was not as much as many thought it would be. While every one was anxious to secure one or more sows it was at the same time a conservative crowd of buyers who seemed to have fixed a limit above which they would not go. There were no sensational tops the highest price being \$150 paid by E. V. Waugh of Greeley Center, Neb., for number one. There was a good attendance of Kansas breeders and a number went to that state. Three good September boars sold for an average of \$52.75, one of them went to Wm. Webb, Bendena, Kan., and another to A. R. Rystead, Mankato, Kan. The Walkers were well pleased with the splendid attendance and with the prices received. That evening they gave out their dates for next season which are October 17 and Feb. 12. These sales will be held as usual at Fairbury in Smith's sale pavilion which is one of the best sale pavilions in the west. Below is a list of the principal buyers:

1—E. F. Waugh, Greeley Center, Neb.	\$150.00
2—U. G. Higgins, Nelson, Neb.	57.50
3—Frank Roberts, Earlham, Iowa	140.00
4—F. E. Jackson, Hurley, So. Dak.	90.00
5—Jas. W. Anderson, Leonardville, Kan.	85.00
6—W. M. McCurdy, Tobias, Neb.	60.00
7—G. Bartles, Tobias, Neb.	55.00
8—W. G. Gewacke, Orlowa, Neb.	52.50
9—T. E. Griffis, Fairbury, Neb.	50.00
10—B. F. Ridgley, Pickerell, Neb.	62.50
11—W. E. Epley, Diller, Neb.	52.00
12—J. Eglehart, Jensen, Neb.	60.00
13—H. L. Voight, Davenport, Neb.	62.50
14—O. C. Cowell, Hebron, Neb.	67.50
15—J. H. Knappe, Gilead, Neb.	62.50
16—M. Mills, Dewitt, Neb.	52.50
17—Wm. Butt, Western, Neb.	61.00
18—C. C. Ingram, Bloomington, Neb.	52.50
19—F. B. Church, Chester, Neb.	47.50
20—Henry Wisel, Roca, Neb.	65.00
21—Edward Spencer, Hickman, Neb.	67.50
22—Bert Bowman, Algona, Iowa	65.00
23—Lewis Hoppe, Alexandria, Neb.	37.50
24—Ed. W. Cooper, Oberlin, Kan.	50.00
25—A. Steincamp, Manly, Neb.	77.50
26—Will F. Adams, Plattsmouth, Neb.	70.00
27—Jas. Nelson, Jamestown, Kan.	35.00
28—Ed Ketcem, Shickley, Neb.	45.00
29—A. H. Edzards, Browning, Neb.	37.50
30—F. C. Schwercinsky, Belleville, Kan.	52.50
31—R. Bevington, Gilead, Neb.	40.00
32—Jas. Arkell, Junction City, Kan.	50.00
33—F. H. Knutsen, Bruning, Neb.	47.50
34—F. C. Gerad, Fairbury, Neb.	37.50
35—J. Schroll, Tobias, Neb.	52.50
36—Wm. Webb, Bendena, Kan.	77.50
37—A. R. Rystead, Mankato, Kan.	51.00
38—John L. Nyman, Alexandria, Neb.	29.00

Average Sale for Shaw.
 H. H. Shaw's Duroc-Jersey bred sow sale was not as well attended as his friends had thought it would be. Still the average of \$37.50 on 37 head was in keeping with the average being made over that part of the country. Mr. Shaw deserved a better attendance of breeders from over the country than he had, but expressed himself as satisfied very well with the result. The sale was held in comfortable quarters and the arrangements for handling the sale were well planned and every effort was made to take good care of his friends. The offering was good and every sow will prove a money maker for her purchaser. Below is a partial list of the buyers:

1—E. L. Bush, Syracuse, Neb.	\$85.00
2—Joe Miller, Hebron, Neb.	39.00
3—H. B. Miner, Guide Rock, Neb.	50.00
4—A. Pew, Hebron	46.00
5—C. H. Koenig, Plymouth, Neb.	46.00
6—John Pew, Hebron	38.00
7—J. J. Duerr, Milford, Neb.	40.00
8—W. J. Lucas, Chester, Neb.	40.00
9—A. F. Vette, Hebron	41.00
10—N. Cedarholm, Hebron	30.00
11—R. L. Wilson, Chester	46.00
12—L. E. Goodhue, Hebron	25.00
13—J. J. Duerr, Milford	42.00
14—O. L. Prefort, Hebron	30.00
15—Wm. Retloff, Bennet, Neb.	45.00
16—R. L. Wilson, Chester	36.00
17—Jas. Woodbury, Hebron	30.00

Springdale Stock Ranch Sale.
 March 15 has been claimed by the Springdale Stock Ranch, Concordia, Kans., as the date of their big sale of high grade Holstein cattle at Smith's sale pavilion, Fairbury, Neb. The sale is being managed by Col. C. W. Smith, who owns this sale barn at Fairbury and Phil. Dawson of Endicott. 25 matured sows that will drop calves early in the spring, 15 two-year-old heifers and 15 long yearling heifers make up the offering. This is a draft sale from the well known Springdale Stock Ranch herd of Holsteins at Concordia, Kan. H. P. Knudsen who is one of the best known authorities on dairy cattle in the west is proprietor of this herd. He is also the principal owner of the Concordia Creamery Company which is using every legitimate effort to further the dairying business in their territory. The have over 100 cream gathering stations in that section of the country and are anxious that better dairy cattle be raised. For further information

address, either Col. C. W. Smith at Fairbury, or Phil. Dawson at Endicott, Nebr.

Red Polled Cattle Sale.
 In this issue will be found the advertisement of L. W. Beem, Smith Center, Kan., who is making a dispersion sale of Red Polled at his farm six miles south and two east of Smith Center, Tuesday, March the 4th. He is selling 21 head of registered and eligible to register Red Polled and a good registered Percheron mare. Also two young stallions coming two and four. Also all his farm machinery, household goods and other effects. Mr. Beem has rented his farm and has purchased a smaller place in eastern Kansas in order to get near

MULE FOOT HOGS.
Mule Foot Hogs More premiums won in 1912 than any herd in the U. S. Bred sows, some extra spring farrow boars and pigs in pairs not related. Pedigrees furnished. **ZENE G. HADLEY, R. F. D. 5, WILMINGTON, OHIO.**

MULE-FOOTED HOGS.
 The coming hogs of America; hardy; resist disease; the best rustlers known; pigs ten to sixteen weeks old, \$30 pair. Circular free. **DR. W. J. CONNER, Labette, Kan.**

HAMPSHIRE.
Pure Bred Hampshires
 inspect our herd or write for prices. Our motto is to please. **ALVIN LONG, Lyons, Kansas.**

WRITE J. F. PRICE, Medora, Kans.
 For prices on Pedigreed Hampshire Hogs

Try The White Belts
 Special prices on boars; also bred sows and gilts for sale. Address **T. W. Lavelock, Princeton, Kas.**

Pedigreed Hampshires
 of various ages, not a kin. Four boars, 8 months old. **C. E. LOWRY, Sumner County, OXFORD, KANSAS.**

O. I. C. SWINE.
CHESTER WHITE HOGS
 Good quality, either sex, the short nose kind. Write for prices. **FRANK PROCHASKA, Glasco, Kans.**

STAR HERD O. I. C's.
 Breeding stock of various ages, either sex. Best breeding record, sented in this herd. Write your wants. **ANDREW KOSAR, GLASCO, KANSAS.**

JULY GILTS AT \$20 or will hold and breed at \$25. Pigs 8 weeks old at \$10, express prepaid. Breeding certificate with every pig. **F. C. Gookin, Russell, Kan.**

O. I. C. 125 HEAD HOGS
 Pigs in pairs, Bred Sows and Service Boars
W. H. Lynch, Reading, Kansas.

Kent's Iowa Herd 200 good lengthy heavy boned bred sows for sale from my great State Fair prize winning herd bred for March and April farrow. It will pay you to write me today for prices and the way I will ship these hogs before paying for them. **Thos. F. Kent, Walnut, Ia.**

Neef's Cholera Immune O. I. C's.
 Pure bred seeds and S. C. R. I. Reds. Hogs all ages for sale reasonable prices. Special on sows and gilts bred for spring farrow. Have choice lot Reid's Yellow Dent, Boone Co. White and Carter's seed corn at \$2.00 per bu. shelled and \$3.00 in ear. Refined Texas Red Rust Proof seed oats and seed rye. Some fancy S. C. R. I. Red cockerels at \$1.00 and \$2.00 each. Eggs for setting \$1.00 per 15, \$4.00 per 100.
Riverside Farms, J. H. NEEF, Boonville, Mo.

POLAND CHINAS.
Becker's Poland Chinas
 Sows and gilts safe in pig to Hadley's Wonder, 62806. Also a few open gilts and fall boars. Price for quick sale. Satisfaction guaranteed.
J. H. BECKER, NEWTON, KANSAS.

BIG TYPE POLANDS
 Summer and fall pigs both sex, strong in the blood of Big Hadley and A Wonder. Sows and gilts, the big, smooth kind, bred for early litters. Description guaranteed. Call or write **A. R. ENOS, Ramona, Kas.**

Schneider's Poland Chinas
 Can furnish choice summer and fall pigs, pairs or trios, not akin, by Guy's Expansion and Goldust Hadley. Also 10 head of yearling sows bred to these boars. **JOE SCHNEIDER, Nortonville, Kansas.**

Polands—Barred Rocks
 Summer and fall pigs by Referendum and J. C. Metal and out of choice sows. Priced to sell. Also 50 Barred Rock Cockerels.
A. N. Waechter & Son, Riverton, Neb.

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.

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

POLAND CHINAS.
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

40 Sows and Gilts Bred and open for sale; of the highest order of Poland Chinas. **ROY JOHNSTON, Southmound, Kansas**

NEBRASKA TYPE. A fine lot of summer and fall pigs by Hyden's Big Hadley 2nd, Pan Wonder and Neb. Chief. Bargain in the best. **C. O. Ingram, Bloomington, Neb.**

POLAND CHINAS Select young boars, gilts, bred or open. Prices right. Call on **Address H. L. BROOKS, LARNED, KANSAS**

QUALITY and SIZE Big, Smooth Poland pigs for sale. **LAMBERT BROS., SMITH CENTER, KANSAS.**

PUBLIC SALE of 40 high-class Poland China Sows to be held at Rich Hill, Mo., February 21st by **W. Z. BAKER. Send for Catalog**

Big Polands and Barred Rocks. Herd boar bred to Pan Look and Wide Awake; also tried sows bred to Gold Mine. 40 late summer and early fall pigs priced cheap. **Dietrich & Spaulding, Richmond, Kan.**

Big Boned Bred Sows
 March and February gilts sired by Gold Mine bred to Pan Look and Wide Awake; also tried sows bred to Gold Mine. 40 late summer and early fall pigs priced cheap. **Dietrich & Spaulding, Richmond, Kan.**

Big Type Poland China
BRED SOW SALE JAN. 25.
 45 head. Every one a good one. 35 head bred to the 1,000-pound Columbus. Send today for catalog.
R. B. BAIRD, CENTRAL CITY, NEB.

Fall and Summer Pigs For Sale
 Sired by my Iowa boar. Extra good and out of my mature sows. Everything immune. Also Rhode Island Red cockerels for sale.
L. E. KLEIN, ZEANDALE, KANSAS.

HARRY HOAK'S POLAND CHINAS
 A few large, Big Type boars, also some good sows and gilts bred for early litters. Fashionable Big Type breeding and priced right to buy. Call or write today.
HARRY HOAK, Attica, Kansas

ALBRIGHT'S BRED SOWS AND GILTS
 20 gilts bred to one of the good sons of Big Tom and Sensation; 8 tried sows bred to Cavett's Mastiff by King Mastiff. One extra good sow bred Oct. 16th.
A. L. ALBRIGHT, WATERVILLE, KAN.

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, for spring farrow. All
Immunity by Double Treatment
 Herd headed by Mastodon Price, Columbia Wonder and Gritter's Longfellow 3d. Everything guaranteed and sold worth the money. Address **CLARENCE DEAN, WESTON, MISSOURI**

BROOD SOWS For Sale
 Ten tried brood sows, ten fall gilts and ten early spring gilts all safe in pig to Forrest Wonder and Long King. Big Poland Chinas at reasonable price. Will not hold a winter brood sow sale. These are priced to sell. Our herd boars are Designer, Good Medal and Major Look.
C. S. NEVIUS, CHILES, KANSAS.

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.

Poland China Gilts
 of Sept. farrow, \$18 each, 2 for \$35. Heavy boned, growthy and well grown out. Sired by Expansion Too 59484 and their dams by Blain's Last Hadley, Pawnee Prince, Big Smoke and Cowles's Tecumseh, representing the herds of Blain, Williams Bros. and Longfellow. Were given a heavy dose of serum Nov. 20.
F. S. COWLES, R.R.No.2, Lawrence, Kan.

A. D. JONES,
 OF DUNLAP, IOWA
 has for sale sows and gilts bred to 1,000 lb. boars, and 600 and 800 pound dams. To farrow in March, April, May and June. Strictly Big Type Poland Chinas. I breed for length, bone and quick maturity. Send for price and description.

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.

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

DUROC-JERSEYS.

A Fine Offering Bred Sows and Gilts
Also open gilts and summer pigs. Best of breeding.
R. C. WATSON, ALTOONA, KANSAS.

BIG TYPE DUROCS Herd rich in blood of Col. Wonder, Buddy and Monarch families. 45 head tried sows and gilts in our bred sow sale, February 5. Stock for sale. Send for catalogue.
MOSEY & FITZWATER, GOFF, KANSAS.

DORR'S DUROCS
15 Fall boars and 20 gilts. Crimson Wonder breeding. All immune. Special low price. A. G. DORR, Osgo City, Kans.

Pleasant View Durocs. Bred sows at private sale. Spring gilts, fall yearlings and tried sows. All immune. Write for prices. T. P. TEAGARDEN, Wayne, Ks.

BRED GILTS I have an exceptionally fine lot of Duroc gilts bred to my prize winning boars for sale. Also a few top summer boars. Write for prices and description.
CHAS. L. TAYLOR, Olean, Mo.

ROYAL SCION FARM DUROCS
Fashionably Bred Durocs, spring boars and bred gilts, by the great Graduate Col. Also sows and gilts bred to him.
C. C. Norman Prop., Winfield, Kan.

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

Bonnie View Farm
Duroc-Jerseys: Boars and gilts.
Plymouth Rocks: 100 cockerels.
Searle & Cottle, Berryton, Ks.

BIG TYPE DUROC-JERSEYS
Spring males at \$25; summer pigs \$10, trios \$25; fall boars, good ones at \$30 to \$40; yearling sows, open or bred; Every hog shipped on approval. Satisfied customers in 22 states. Red Polled cattle, cheap.
GEO. W. SCHWAB, CLAY CENTER, NEB.

TATARRAX HERD DUROCS
The finest lot of Fall pigs we ever offered, either sex. Most of them by the Grand Champion Tatarax. Bred sows and gilts priced for quick sale.
HAMMOND & BUSKIRK, Newton, Kansas

College Hill Durocs
Bred sows and gilts for spring farrow for sale. Popular breeding. Farm adjoins agricultural college. Prices right.
W. W. BALES & SONS, MANHATTAN, KAN.

FALL BOARS BY DREXEL'S PRIDE
The sire of my show hogs. Spring pigs by him and Green's Wonder 11217, a sensational Crimson Wonder Again yearling. All choice and priced right.
W. T. HUTCHISON, CLEVELAND, MO.

Leon Carter, Asherville, Kan.
Duroc-Jerseys. Oldest herd in Mitchell county. Plenty of new breeding in my bred sow sale Thursday, Jan. 30. 45 head. Write for catalogue.

BEAVER VALLEY HERD DUROCS
Sept. and Oct. boars and gilts sired by Grand Master Col. and No. 9493; Grand Champion of Oklahoma, both 1911 and 1912; Defender's Col. by Defender and Select Col. by Chief Select, the great show and breeding boar. Satisfaction guaranteed.
W. A. WILLIAMS, Marlow, Okla.

30 HEAD of Duroc-Jersey fall pigs of "Kant be Beat", "Crimson Wonder" and Col. breeding. Registered. Priced reasonable and delivered your station. Either sex.
ARTHUR A. PATTERSON, Ellsworth, Kan.

Bancroft's Durocs
We hold no public sales. Nothing but the best offered as breeding stock. Tried sows and fall yearlings bred. Spring gilts bred or open. Fall pigs, either sex. Pairs or trios not akin. Prices right. Customers in 22 states satisfied. Describe what you want. We have it.
D. O. BANCROFT, OSBORNE, KANSAS.

Good E Nuff Again King 35203
The great Duroc boar of the West and Crimson Wonder 4th, 43655 head our great herd. Sale of 35 bred sows and gilts March 11. Send for catalogue. Reduced price on boars for 30 days.
W. W. OTEY & SONS, WINFIELD, KAN.
"The Men With the Guarantee."

Duroc Bred Sows
At private sale, bred to King the Col., a 1000 lb. boar, Col. Willetta by Prince of Cois. and Col. Gold, a line bred Col. The big kind with lots of quality; bred for March and April litters.
C. W. HUFF, MONDAMIN, IOWA.

POLLED DURHAMS.
Polled Durham Bulls
Six well bred young bulls and a limited number of cows and heifers for sale.
C. M. HOWARD, HAMMOND, KANSAS.

Prize Winning Polled Durhams
One yearling bull and several bull calves sired by Roan Choice (Jr. Champion of 1911), also a few young cows and heifers. All from the greatest show and prize winning herd in Kansas or the West.
C. J. WOODS, CHILES, KANSAS.

high school. He founded his herd of Red Polls several years ago and has been carefully building it up ever since. He has sold always from the bottom and reserved the choice cows and heifers for his own herd. The bulls that have been used came from the Chas. Morrison and P. G. Henderson herds. This will be a mighty good place to secure some good young cows and heifers. Ask him for his catalog which is ready to mail. See advertisement in this issue. Don't overlook the fact that he is selling some choice Percherons also. Better get his catalog.

Kansas, Missouri and Iowa.

BY C. H. WALKER.

To those in the market for a good young Holstein bull we know of no better place to get him than from Ben Schneider of Nortonville, Kans. There are a great many herds that are larger than the Schneider herd but there are few it's equal when it comes to producing the right type of Holstein. What do you think of bulls around six and seven months old that will weigh close to a hundred pounds for every month of their age? You will find them in the Schneider herd and they are priced in reason, too. Write now for a description and prices of the stock Mr. Schneider has for sale.

Choice Bred Sows For Sale.

Joe Schneider of Nortonville, Kas., is prepared to offer the trade a select lot of Poland China bred gilts that in breeding, individual merit and quality should attract all who are in the market for a good bred sow. These are sired by Elephantdonck and are out of his best sows. They are bred to Guy's Expansion, the choice breeding son of Expansive and to Goldust Hadley a son of Blain's Last Hadley. Mr. Schneider probably enjoys as large a mail order trade as any one in the state and there is a reason for this. He has the goods and sells nothing on mail order but what will go out and make good. He has the reputation for producing the best stock and guarantees all his sales. Write him per his card in this issue and kindly mention this paper.

Riverside Farm Products.

John H. Neef, owner of Riverside Farms, Boonville, Mo., is changing his ad this week in this paper. Mr. Neef reports having had splendid sales on his cholera proof O. I. C. hogs. He says that most of his males are sold but he has a few gilts and tried sows bred for spring farrow, that he will price reasonable to move them quick. Mr. Neef not only raises pure bred hogs but pure bred chickens and pure bred seeds of different kinds. His chickens are of the S. C. R. I. Red strain. He is offering a specialty of corn, oats and rye. He offers hand picked seed corn of high germinating test in either Reid's Yellow Dent, Boone County White or Carter's varieties. His oats are of the Red Rust Proof variety. Note his ad in this issue and write for prices on any of his offerings.

Miller's Horse and Jack Sale.

The sale of Percheron horses and jacks and jennets to be held at Kirksville, Mo., on March 6 by S. J. Miller of that place will be one of the season's opportunities to make selections of the very best. Critical judges who have seen this offering pronounce it the best by far that has ever been sold from the Miller herd. Percheron stallions and mares that are bred in the purple, that are individually all that would be expected of such blood lines, a number of which were prize winners at the leading shows makes this sale the attractive one of the season. The greatest lot of jacks and jennets to be sold this year is what a number have said of this offering and they are not far wrong. Great big, Mammoth Jacks that have all the essential points of the winners, jennets that are known producers and that are safe in foal to good jacks makes this sale an exceptionally attractive one. Lack of space makes it impossible to go into detail regarding each individual as they deserve, but the catalog gives full and complete description of the offering and Mr. Miller will gladly mail one to any one interested enough to drop him a card. When writing kindly mention this paper.

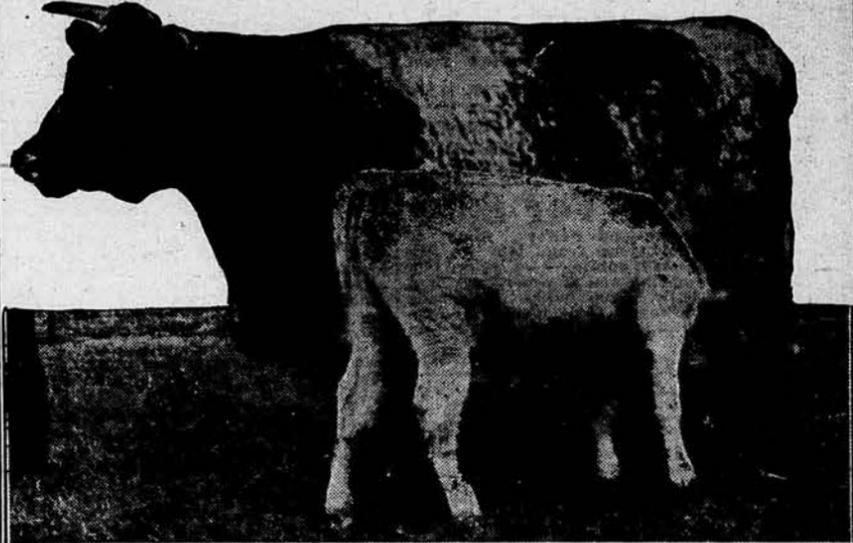
The Kansas City Hereford Sale.

Intending buyers of Hereford breeding cattle will have the opportunity of their lives in the big two days' sale to be held at Kansas City on March 4 and 5. Sixty bulls and 40 females, 100 head in all, will be sold at that time and they are by far the best lot of breeding cattle yet put by the sale association known as Funkhouser, Gabbert and others. The Funkhouser Estate, aptly called the "old established nursery of good Herefords," will contribute 15 head, nine corks bulls and six fine females. Ruby Rex plays an important part in this offering and there will be others by Onward 76, Onward 46 and out of the very best bred cows. Jas. A. Gibson of Odessa, Mo., will have his usual strong line of bulls and females in this sale. He is putting in Onward Lad 6th by Onward 46th and a bull that should go to head a good herd of cows. Four or five great sons of the noted breeding bull, Generous, will also be sent from this herd. J. W. Lenox of Independence, Mo., consigns 15 head of bulls from 12 to 24 months old. Six of them are by Advertiser 10th, almost a full brother to Beau Paragon, one is a grandson of Simoon and one a double grandson of the same bull. The remainder are by Simoon and out of the very best cows. W. A. Dallmeyer of Jefferson City, Mo., will send eight head, four bulls and four heifers, from his Buena Vista herd. These include Rex Donald, the 3-year-old son of Beau Donald 47th. Others by Lord Brummel, Beau Premier, and the heifers bred to Paragon 12th. This makes an unusually strong line of tops. Sir Simoon 5th, contributed by T. W. Carmichael of Odessa, Mo., probably is one of the best bulls to be sold this year and it is in keeping with the rest of the good stock sent to this sale by this veteran breeder. B. & S. J. Gabbert of Dearborn, Mo., names probably as well known in Hereford circles as any, will have 16 head of their kind in this sale. Practically all of them are by their great sire, Beau Folly. They are uniform and good throughout. Last, but by no means least, is the offering which R. T. Thornton will consign. The get of

Lookabaugh's Shorthorns
Sold on Time at Private Treaty

Six or nine months if desired. What we want is your trial order. We don't need the money. We want you to come and buy. We want regular customers and shall try hard to please you.

Young Heifers and Bulls at \$50, \$75 and \$100 each. Two Heifers and a Bull, not related, \$200 for the three. Herd Header Material is Scarce. We have a few. They are priced right. Come early and get first choice.



Over 200 Head From Which to Select

A great variety of prize winners and prize winning blood. Breeding stock of both sexes and all ages. If you want breeding stock don't miss this opportunity. As many good Shorthorns cannot be seen on any other farm in the whole Southwest.

Cows with Calf at Foot and Re-bred.
Richly Bred Young Things, Show Prospects.
Handsome Young Bulls, Herd Header Material.
Rugged Young Bulls, the Farmer and Stockman Kind.

In fact a splendid array of foundation Shorthorns, that carry the blood of the best families and the most noted sires of the breed. Don't wait, but come and get your first pick. Visitors always welcome at Pleasant Valley Stock Farm. Write your wants today. Address

H. C. Lookabaugh, Watonga, Okla.

PUBLIC SALE
Red Poll Cattle

At my farm 6 miles south and 2 east of
Smith Center, Kan., Tues., March 4

Also one registered Percheron mare and two Percheron stallions, coming two and four. Very desirable and choice animals. The cattle which numbers 21 head are all either registered or eligible. The breeding is of the very best and the best of milkers. Gentle and good colors. The bulls that have been used have come from the well known herds of Chas. Morrison and P. G. Henderson. I have carefully constructed this herd and have always sold from the bottom, reserving the tops for my own use. I have rented my farm and am moving to a smaller one in eastern Kansas. For that reason it is a dispersion sale. Also all my farm machinery and other personal effects. Catalogs ready to mail at once. Address,

L. W. BEEM, Smith Center, Kan.

Registered GALLOWAY CATTLE

"We Breed Market Toppers." JAS. & W. R. CLELLAND, New Hampton, Mo.

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 2-yr.-olds. Can suit your wants. Write
CAPITAL VIEW RANCH, Silver Lake, Kan.

Fort Larned Herd

40 REGISTERED BULLS. 20 GALLOWAYS and 20 RED POLLS. 10 to 20 months old. Priced to sell.
E. E. FRIZELL, LARNED, KANSAS

SHORTHORNS.

SHORTHORN CATTLE
POLAND CHINA SWINE and CLEVELAND BAY HORSES All stock pedigreed. Prices reasonable. Thos. B. Murphy & Sons, Corbin, Kas.

SHORTHORNS

8 bulls from 12 to 18 months. Roans and reds. Scotch Tops. Address, L. M. NOFFSINGER, OSBORNE, KAN.

SHORTHORNS.

SCOTCH AND SCOTCH TOPS
Young Bulls, Scotch and Scotch Topped. Also a few choice Cows and Heifers. Also 25 registered Poland China Fall Pigs of both sexes. Immune. Write for prices.
S. B. AMCOATS, CLAY CENTER, KANSAS

Pearl Herd of Shorthorns

I have a select bunch of young bulls from six to 20 months old, well bred, well grown and the making of good useful animals. They are both reds and roans. Can ship via C. R. I. & P. A. T. & S. F., U. P., and Mo. Pac. Address
C. W. TAYLOR
ABILENE : : KANSAS

When writing advertisers mention Farmers Mail and Breeze.

DAIRY CATTLE.

HOLSTEINS FOR SALE—30 head of registered heifers and males, also 73 head of fine bred heifers and young cows, \$58.50 and up. Come and see them. **M. P. KNUDSEN, CONCORDIA, KANSAS.**

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.**

LINSCOTT JERSEYS

Only registered herd of merit in Kansas. A grand son of Golden Fern's Lad—bred for butter—and 20 cows and heifers for sale at moderate prices. **R. J. LINSCOTT, HOLTON, KANSAS**

OAK HILL HOLSTEINS

Bulls ready for spring service by Shadybrook Gerben Sir Korndyke out of A. R. O. dams. Heifers bred. Also a few fresh cows. All tuberculin tested. **BEN SCHNEIDER, NORTONVILLE, KAN.**

HOLSTEINS —CHOICE BULL CALVES

H. B. COWLES, TOPEKA, KANSAS.

Holsteins For Sale

High grade cows and heifers. About 40 head. Heavy springers from two to five years old. 15 head coming two years old. Two fresh this spring and summer. All bred to registered bulls. Also bulls, high grade and registered. From 4 to 12 months of age. These are all highly bred dairy cattle and fine young stuff. **IRA ROMIG, Station B, TOPEKA, KAN.**

Holsteins!

I will sell the following high grade Holsteins, many of them practically full bloods, and in good condition: 50 yearling heifers and 50 1 1/2-year-old heifers just being bred to a son of a 24 lb. dam; 100 2 to 2 1/2-year-old heifers and 100 2 to 3-year-old heifers bred to a high class registered bull, to freshen from Dec. 1st, 1912, to March 1st, 1913. 100 matured cows, very heavy producers, springing up ready to freshen soon, most of them in calf from registered bulls. A number of high colored registered bulls, ranging in age from 6 months up, out of heavy producing dams, and selected especially to head choice herds. Can fill any order from one animal up. Have a small surplus of excellent registered cows and heifers I will dispose of. Also have 100 head of high grade Guernsey cows and heifers from yearlings up. Write me regarding your wants. **JAMES DORSEY, Gilberts, Illinois**

HEREFORDS.

Klaus Bros.' Herefords!

We offer 16 head of strong, rugged bulls, head header material, ready for service, sired by Full-aler 3rd, Full-aler 25th and Beau Onward. Priced right and worth the money. **KLAUS BROS., BENDENA, KANSAS.**

Mathews Herefords

We are offering 20 registered heifers about 11 months old. ANXIETY 4th blood predominates. **FRED MATHEWS & SONS, Kinsley, Kan.**

Star Breeding Farm

HEREFORDS Headed by Tophon 4th. 90 Bulls, 14 to 30 mos. Single or carloads. Can spare a few females in lots to suit buyer.

DUROCS Of most fashionable breeding headed by Model Top 77405. Choice individuals of both sexes for sale at all times.

Sam'l Drybread, Elk City, Kansas

Blue Valley Breeding Farm

Herd of Herefords established 20 years ago. 175 head at present. 24 bulls for sale, from 9 to 15 months. Guaranteed and priced low, delivered at your station. Registered Poland Chinas. Fall boars for sale. **BARRED ROCKS**—Eggs for sale in season.

Fred Cottrell, Irving, Kan.

Modern Herefords

ROBT. H. HAZLETT

Hazford Place
Eldorado, Kansas

ABERDEEN-ANGUS.

Angus Bulls For Sale

sired by Rutger Heatherson 3d 118104, Presto 2d 133774 and Professor Kurtz 135693. Ready for service including two choice Blackbirds. Priced right. Satisfaction guaranteed. **W. G. DENTON, DENTON, KANSAS.**

ANGUS CATTLE

Bulls and females for sale; singly or in carload lots. Address **SUTTON & PORTEOUS** Lawrence, Kan.

RED POLLED CATTLE.

Foster's Red Polls

Write for prices on breeding stock. **C. E. FOSTER, R. R. 4, Eldorado, Kansas.**

RED POLLED BULLS

and heifers by Actor 7781 and Launfal 13221. Cows large, plenty quality, represent best milking families. Also large type **POLAND CHINAS**. Figs. Write or come. **CHAS. MORRISON & SON, Phillipsburg, Kan.**

his great bull, Caesar, and the females bred to him offer selections in high class Hereford specimens as good as can be found. He has carefully selected this offering and it is of a character to please the most fastidious. Mr. Thornton is the sale manager and catalog inquiries should be addressed to him per the advertisement in this issue. Write for one now and kindly mention this paper.

Roan's Jack and Jennet Sale.

To be able to buy a high class jack that would pay for itself in two years would be a pretty good proposition. That is just what is offered by G. C. Roan in his annual jack and jennet sale to be held at LaPlata, Mo., on March 10. Mr. Roan claims he has sold more jacks than any other breeder in the world, and he has the proofs to back it up. It has been Mr. Roan's idea each year to improve the quality of the stock he sells at public auction and his coming sale contains by far the best lot of jacks and jennets he ever has sold at auction. Forty head are listed, 20 jacks and 20 jennets and there isn't a poor plain or inferior animal in the entire offering. Big black jacks, the Mammoth kind, of the very richest breeding, heavy boned fellows with lots of substance and quality and the kind that will go out and make good. That is the sort of breeding stock buyers will have an opportunity to appraise in this sale. The sale will be held in what is said to be the largest exclusive jack sale barn in the world and every comfort of the visitor will be carefully looked after. Mr. Roan wants to send you his illustrated catalogue containing the breeding and description of the stock he will sell. It is full of photographs of the stock to sell and gives the prospective buyer an idea of just what he may expect. Write for one today and kindly mention this paper.

Walter Makes Record Sale.

One of the best Poland China sales ever held in the state of Kansas was held by H. B. Walter of Effingham on Friday, February 14, when he made the highly satisfactory average of \$70 on 49 head. Attracted by Mr. Walter's reputation for high class breeding stock, made by his former sale offerings and the fact that they were offered immune, over 400 breeders and farmers from several states were in attendance and put their approval on the offering at the above figure. This is the record sale of the state for this year and one that will likely stand. It was by no means a boom sale and those who attended bought because they liked the offering and because they knew they would make them money. The price range was even, the top being \$125 and the lowest price \$43. The bulk of the offering sold from \$60 to \$80, a very even range. It was a fitting tribute to Mr. Walter as a breeder and as a man. The offering was just in good sale condition and could have carried much more flesh to the seller's advantage but it was in keeping with Mr. Walter's methods that he sold them in a condition to go out and do the most good. Each animal as she was offered was described and all defects made known. A feature of the sale was the strong competition furnished by local farmers who appreciate the fact that they have one of the best herds in the country right in their section. U. S. Byrne of Saxton, Mo., topped the sale on the great Colossus sow, Ohava Lady, bred for an early litter to Long King's Best. This sow was an attraction in any sale and will add strength to Mr. Byrne's already good herd. J. W. Leeper of Norton, Kan., paid \$105 for Lot 30, a choice Expansive gilt bred to Referendum. Four summer boars sold well and averaged \$55.50. Herman Groninger & Sons of Bendena, Kan., secured a corking good son of Exalter at \$70 and Geo. A. Smith of Agenda got a good son of Long King's Best at \$65. Col. Frank J. Zaun made a reputation for himself in this sale—if indeed, he needs one—in the excellent manner in which he handled the large crowd and in the way he conducted the sale. His opening speech was appropriate and to the point. He added to his host of friends and admirers by his excellent work. He was ably assisted by Coles, Rule, Coleman and Hawk. The appended list of sales gives an idea of how they sold.

- 2—Jno. D. Henry, Lecompton, Kan. 85.00
- 3—Geo. W. Nowels, Glasco, Kan. 55.00
- 4—Geo. Franklin, Everest, Kan. 60.00
- 5—Herman Groninger & Sons, 67.50
- 6—M. T. Williams, Valley Falls, Kan. 66.00
- 7—Jno. D. Hawk, Effingham, Kan. 65.00
- 8—U. S. Byrne, Saxton, Mo. 125.00
- 10—Jno. Coleman, Denison, Kan. 81.00
- 11—Josh Morgan, Hardy, Neb. 77.50
- 12—C. A. Kibler, Brenner, Kan. 55.00
- 13—Wm. Madison, Seneca, Kan. 70.00
- 14—E. L. Sheppard, Wayne, Kan. 69.00
- 16—W. A. Little, Holton, Kan. 60.00
- 17—N. E. Copeland, Waterville, Kan. 77.50
- 18—Isaac Hescher, Ames, Kan. 67.50
- 19—Wm. Winkler, Seneca, Kan. 75.00
- 20—A. Scallapenio, Everest, Kan. 77.00
- 21—W. A. Davidson, Simpson, Kan. 82.50
- 25—Ernst Hennings, Effingham 60.00
- 26—Tunea Tarkelson, Everest 67.50
- 28—O. R. Strauss, Milford, Kan. 80.00
- 29—W. E. Petefish, Lawrence, Kan. 85.00
- 30—J. W. Leeper, Newton, Kan. 105.00
- 32—B. S. Sanders, Lawrence, Kan. 60.00
- 34—J. P. Chamberlain, Everest, Kan. 56.00
- 35—A. F. Latta, Melvern, Kan. 80.00
- 38—T. S. Walter, Scandia, Kan. 71.00
- 40—Joe Felton, Effingham, Kan. 56.00
- 41—Chas. Moore, Muscotah, Kan. 58.00
- 49—Jno. Wilcox, Ottawa, Kan. 50.00

Iowa and Nebraska

GEO. W. BERRY.

Business Good at Bushnell.

In a letter dated February 10, 1913, Mr. J. G. Truman, manager Trumans' Pioneer Stud Farm at Bushnell, Ill., writes: "Inquiries for strictly high class Shire, Percheron and Belgian stallions still continue good. Among the sales made by us last month not previously reported, are the following: Shire stallion to Lawrence Balk, Carroll county, Iowa; Percheron stallion to Rutgers Peters, Calhoun county, Illinois; Belgian stallion, William J. McDonald, Bureau county, Illinois; Shire stallion, Andrew Backlund, Spokane county, Washington; Percheron stallion, B. F. Allender, Page county, Iowa; Percheron stallion, Warren Cupp, Iroquois county, Illinois; Shire stallion, Montgomery & McLeod, Ben-

JACKS AND JENNETS.

Mammoth Jacks and Jennets For Sale

From 2 to 5 years—big boned, black Jacks with white points. 15 to 16 hands high. No better bred ones in the country. All of our Missouri, Illinois and Iowa prize winners for sale. Been breeding jacks for 30 years. Mention this paper and write or come to **DEERLING & OTTO, QUEEN CITY, MO.**

50 Registered, big-boned, black JACKS AND JENNETS from colts to 16 hands high; fine body and style, best breeding. A certificate with each animal sold. Jacks, prices and terms right. Nothing better for Oklahoma and Texas as they are acclimated here. **KINGFISHER VALLEY STOCK FARM, J. H. Smith, Proprietor, Route 3, Box 17, Kingfisher, Oklahoma.**

Jacks for Cash or Trade

Two Mammoth bred Jacks, 4 and 5 years old. Will sell, worth the money, part terms to right party, or trade for good mares or pure bred or high grade cattle. Address **D. F. McALISTER, Severy, Kansas**

50 - PERCHERON STALLIONS - 50

Bishop Brothers have 50 big boned stallions that weigh 1,700 to 2,100 pounds that they can and will sell for less money than any firm in the business. We have them to sell. Write us. **BISHOP BROTHERS, Box A, TOWANDA KANSAS.**

Percheron, Belgian, Shire and Coach Stallions and Mares

15 years in the horse business. Never had a law suit, have never sued a man for collection. Each sale is accompanied with a genuine good guarantee from Nolan. Our horses are from one to five years old. **J. M. NOLAN, PAOLA, KANSAS**

Imported Stallions: Percheron, Shire, Belgian

Each year we show our New Importation the same Month they land. Each year they win more than all other Exhibitors combined. At the American Royal this year, we won 2nd on 4-year-old Percheron, 1st, 3rd and 4th on 3-year-old, 1st and 3rd on 2-year-old, and 1st and Champion Group of Five Stallions. Our Horses are Handsome and the best to buy; Our Guarantee and Insurance the very best. **PERCHERON IMPORTING CO., Chas. R. Kirk, South St. Joseph, Mo.**

They Are So Different!

All Imported, both PERCHERONS and BELGIANS. Last importation arrived Sept. 1st. The selects of both countries. I buy my own horses. All sound, big, flat boned. Ages, two and three years. Prices reasonable. Perfect guarantee goes with each horse and for two years at that. **W. H. RICHARDS, V. S., (Stables in the City) Emporia, Kansas**

Mammoth Jacks, Percheron Stallions

33 Head of Jacks and Percherons

The Jacks are 3 to 6 years old and from 15 to 16 hands high. Percherons are from 2 to 6 years old and weigh from 1800 to 2000 lbs. **We have the kind that will please you.** Write for prices before you buy. Farm and sale barn on 21st Street, 1 mile east of Wichita Union Stock Yards. Write today. **J. C. KERR, Wichita, Kansas**

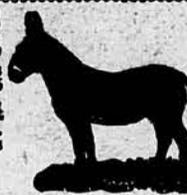
My Fourth Annual Sale of JACKS and JENNETS

of the Clover Leaf Valley Jack Farm will be held in my new sale pavilion at **LA PLATA, MO., MONDAY, MARCH 10, 1913**

I guarantee this to be the best offering I have ever made and to equal or surpass any offering made during the year 1913. Every one black with white points and registered and none under 15 hands high. All ready for service right now. Write for the finest catalogue of this class of stock ever gotten out. It gives the photograph of each animal and his breeding and more real truths than I could get into a five page advertisement costing thousands of dollars. **I SELL MORE JACKS THAT PAY FOR THEMSELVES THE FIRST OR SECOND YEAR THAN ANY MAN IN THE WORLD.** Write today.

G. C. ROAN, Macon County, La Plata, Mo.

JACKS AND JENNETS.
JACKS AND JENNETS
 20 head good black jacks for sale, ages from 3 to 5 years; large, heavy-boned, broken to mares and prompt servers. Prices reasonable. Come and see me. Barns 2 miles of town.
PHIL WALKER,
 Moline, Elk Co., Kan.



JACKS FOR SALE
 Two big boned black jacks with mealy points, coming three and five years old. They are fine performers, good dispositions; both are over 14 hands, "big fellows." Good reasons for selling. Write or come. A. B. HAGUE, Kiowa, Kan.

Jacks and Jennets
 One of the largest selections of large Black Mammoth Jacks in the West, 15 to 16 hands standard. I have the large kind that all are looking for; the kind that bring the large high-class mule. Reference: the five banks of Lawrence.
AL. E. SMITH, LAWRENCE, KANSAS.



PUREBRED HORSES.
Percheron and Belgian Stallions and Mares. Imported and home bred. Easy terms. **HART BROS., OSCEOLA, IOWA.**

Good Percheron Stallions, Holstein-Friesian Bulls prices right. **H. N. HOLDEMAN, Meade, Kan.**

200 Percherons Stallions and Mares For Sale. **Singmaster & Son, Keota, Iowa**

The Best Imported Horses One thousand each. Home-bred registered draft stallions—\$250 to \$650 at my stable doors. **A. LATIMER WILSON, CRESTON, IOWA.**

FOR SALE One Registered Percheron Stallion, coming 5 years old and one black Jack, coming 5 years old. **W. M. DICE, TEUCUMSEH, KANSAS.**

Clydesdale Stallions and Mares
 I have a number of Clyde Stallions, many of them of my own raising, that I will sell at less than 1/2 of the regular importer's prices. **E. O. MILLER, LUCAS, IOWA.**

Truman's Pioneer Stud Farm
America's Largest Importers
Shire, Percheron and Belgian Horses
 Write for Illustrated Catalogue.
TRUMAN'S, Box E, BUSHNELL, ILLINOIS

BIG BONED MULES
 37 head of coming 3-year-old mules for sale. About one-half mare mules, run in height from 14 1/2 to 16 hands, all big boned mules. A few of them broke to harness. Will make attractive prices for immediate sale.
C. W. HIGGINBOTHAM & SONS,
 Rossville, Kansas, Shawnee County.

SPECIAL SALE Thirty Days
 Registered American bred stallions \$200 to \$600 each. Ten imp. mares in foal \$400 to \$600 each. Imported stallions at from \$300 to \$1,200. One hour's ride from Union Stock Yds., Chicago, Ill. Address
CHAS. A. FINCH, JOLIET, ILLINOIS.

STALLIONS and JACKS
 Percherons and Belgians, also Mammoth Jacks and Jennets. State Fair winners and all at prices that will move them. Write today describing your wants.
C. F. COOPER
 R. 4, Box 4, Hutchinson, Kan.



PERCHERONS BELGIANS SHIRES
ONE OF THE OLDEST AND LARGEST IMPORTERS IN AMERICA
 Our horses are big, smooth fat-boned fellows, with great quality style and conformation. Will please the most critical. Prices reasonable. Satisfaction guaranteed. Letters from hundreds of satisfied customers and big illustrated catalog mailed free.
Watson, Woods Bros. & Kelly Co.
 BOX 1, LINCOLN, NEB.



ton county, Iowa; Percheron stallion, B. H. Dennis, Keokuk county, Iowa; Shire stallion, E. E. Cooper, Keokuk county, Iowa; Percheron stallion, John White, Keokuk county, Iowa; Shire stallion, J. T. Price, Clinton county, Indiana; Shire stallion, Murray & Spindler, Ida county, Iowa. This is the third Shire stallion we have sold these gentlemen. We also sold imported Shire mares to Frank Boyer, Carroll county, Iowa; John Brand and John T. Castorf, Jasper county, Iowa; George Hoover, Huntington county, Indiana, and George Wendell & Sons, La Salle county, Illinois. These gentlemen are old customers and have one of the largest studs of Shires in this country. Our horses are in first class condition and anyone wanting a strictly high class Shire, Percheron, Belgian or Hackney stallion can find what he is looking for here."

Kansas and Missouri
 BY ED. R. DORSEY.

Those who have never had the opportunity to hear this great auctioneer of Iowa will get a chance to hear him at the Roy Johnston bred sow sale April 3. Col. Duncan is a power anywhere he goes and he will be a drawing card for Mr. Johnston and backed up with as good a lot of hogs as ever went through the sale ring will make things go a popping.

Two Glits for \$35.
 The above price seems low when it is remembered that the sale averages on all classes and breeds of hogs for the past 60 days has been above \$50. The price is low, too, for it refers to F. S. Cowles's good Poland Chinas. These glits are of September farrow and will weigh around 150 pounds in only growing condition. They are of strictly big type breeding, being sired by Expansion Too and out of Blain's Last Hadley, Pawnee Price, Big Smoke and Cowles's Tecumseh. Address F. S. Cowles, Lawrence, Kan., and mention Farmers Mail and Breeze.

Belgian and Percheron Sale.
 W. H. Bayless-Dero & Co., of Blue Mound, Kan., will sell 28 head of draft horses at Blue Mound on Thursday, March 6. The offering will include imported Belgian stallions and mares, American bred Belgian mares, imported Percheron stallions, Jacks and Jennets. The imported and home bred Belgian mares include animals 2 and 3 years old. The 3-year-old mares are in foal to imported horses. This will be as good an offering of draft horses as will go in any sale this season. They were personally inspected and bought by Mr. Bayless who is an expert horseman. That his judgment is good in this line is proven by the fact that his horses, though recently imported, have been heavy winners at the last two American Royal shows. For further particulars as to offering see the quarter page ad in this issue. The catalogs will be ready by February 24. Write at once asking for one of these catalogs and mention Farmers Mail and Breeze.

Spotted Shetland Ponies.
 Mr. C. R. Clemmons, breeder and importer of Shetland ponies, at Coffeyville, Kan., writes under a recent date that his stock is doing nicely. In addressing his letter to the writer he says, "I wish to say as a fieldman for the Capper Publications you are in a position to accomplish great work. I know whereof I speak. I have advertised my ponies in the Mail and Breeze for many years and have sold a great many to people who said, 'I saw your advertisement in the Mail and Breeze.'" Mr. Clemmons says he is wintering about 65 head of Shetlands on good alfalfa and they are doing nicely. Mr. Clemmons takes a great interest in his ponies and he loves to see the little colts scamper over the pasture in the bright sunshine as he has them of many colors. At the head of the stud is Corporal 5837, sired by Boy Blue 2933, dam Minnie 767.

Drybread Doing Big Business.
 We just received a letter from Samuel Drybread of Elk City, Kan., owner of the Star Breeding Farm, breeder of Hereford cattle and Duroc-Jersey hogs, in which he says: "I have done a little more bull business since you were here; sold 30 head to a party at Buchanan, N. M., and three to a party at Corona, N. M. I have 25 head left and a party just wired me that he will be here in the morning to try to buy one. I have sold altogether up to this date within the last 31 days, 71 bulls at an average of \$150 each. I have \$3,000 worth yet to sell. My hogs are taking on flesh nicely and by the sale date I hope to have the nicest lot I have ever offered." Our readers will see from Mr. Drybread's short letter that business is stirring down at the Star Breeding Farm. And all interested in Duroc hogs should make arrangements to be at his sale March 10 for at that time he will sell 60 head of good ones, most of them will be bred to the great champion producer, Model Top 77405.

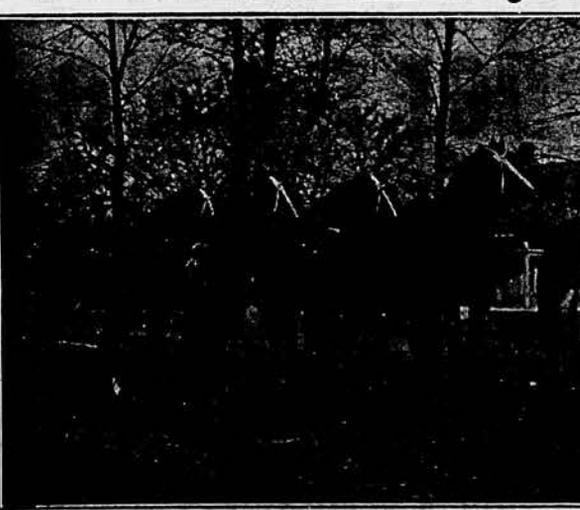
Editorial News Notes
 The "Flour City" Tractor, made by Kinnard-Haines Company, Minneapolis, is made in three sizes, 20, 30, 40 horsepower, so that it will meet the needs of almost any farmer who is looking for a tractor. It is one of the leaders on the market. It has been doing business for 17 years, and is therefore one of the pioneers in its line. It is a four cylinder engine and was the first four cylinder gasoline engine for tractor use. It is thoroughly down-to-date and practical, and is sold at a reasonable price. Write for 32-page catalogue to Kinnard-Haines Company, 854 44th Ave., Minneapolis, Minn.

Those farmers who have used Peerless Fencing for years and have come to know its quality will naturally have confidence in the claims made for one of the newer products of the Peerless Wire Fence Co., 271 Mich. St., Adrian, Mich., the Galvanized Self Raising Gate. This gate was popular right from the start and sold well beyond the 10,000 mark the first year it was on the market. Hundreds of farmers have voluntarily written to the Company, saying that it was the best gate they ever saw, and while it has many exclusive labor saving features it is cheaper than the average steel and wire gates. See ad on page 10.

Miller's Great Offering
Percheron Stallions and Mares
Mammoth Jacks and Jennets
 I believe the Percherons and Jacks in this sale are the best I have ever offered—I believe they are the best, as a lot, to be sold this year, including state fair prize winners. Sale at
Kirksville, Mo., Thursday, March 6, 1913
10 Stallions, 6 Mares, 10 Jacks, 13 Jennets
 The stallions include the great incident 67799 (80596), Introuvable 41334 (56490), Perfection 75251, Instar 67798 (79181), King's Model 78285—ton horses and better, bred right and made right. A great line of Mares, including Rose O'Grady 81635, Majestic 60511, Bell, Lady Roberta, Star Bright and Coquette—fine individuals and great producers. The Jacks and Jennets are among the best to be sold this year. A revelation to Jack and Jennet buyers. Come and see them. A great line of Jennets safe in foal to Miller's Stonewall 3367. Thirty-nine head in all—the year's best offering.
 Write today for my Catalog and kindly mention this paper.
S. J. MILLER, Kirksville, Mo.
COL. GEORGE P. BELLOW, Auctioneer.

The West's Largest Importing and Breeding Establishment. Importers and Breeders of
Percherons, Belgians and Shire Stallions and Mares
120 Head to Select from
 Our Stallions and mares are strong and massive, with great quality, style and conformation, with splendid color and dispositions. They are selected with an eye single to the wants of the most critical American buyers, and we can sell them for less money than any one in the business, quality considered. The stallions will go into any community and command the best mares, command the men who are the best pay and who take the best care of their stock. Let us know your wants. We can suit you in both price and quality.
L. R. WILEY, Emporia, Kan.

Percherons and Royal Belgians
 We have decided to offer all of our state fair prize winners, 22 stallions and mares for sale. Every one of these horses has been shown and has been a prize winner at the shows of 1912. These stallions and mares will be sold at exceedingly low prices, quality considered.
 We are showing some other good stallions and mares, which we offer at prices that defy competition.
 We earnestly request you to look over our stallions and mares, before buying.
 True photos from life on application. Address
WOLF BROS.,
ALBION, Boone Co., NEB.
IMPORTERS and BREEDERS



4 Black 2-year-olds imported by us in 1912.

ROBISON'S Percherons
 One hundred and fifty Registered Percherons—Stallions, Mares and Colts. Fifty imported. All for sale.
J. C. Robison, Towanda, Kan.



PIONEER STOCK FARM We have on hands at all times Percheron, Belgian, Shire and German Coach stallions and mares from weanlings to 6 years old. Imported and home bred stallions and mares weighing up to a ton or better. They are priced to sell; am selling all the time. Can show you. Come and see.
JOHN W. WADDILL & SON, (Adair County), BRASHEAR, 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**

BELGIAN and PERCHERON SALE



28 HEAD
of the best
DRAFT HORSES
that Ever Entered
a Sale Ring

Blue Mound, Kansas, Thursday, March 6, 1913 Sale Starts at 12.00 p.m. Sharp.

- 10 Imported Belgian Stallions, 2 to 6 years old.
- 8 Imported Belgian Mares, 2 to 3 years old. 3-year-olds in foal to Imported Horse.
- 2 American-Bred Belgian Mares, 2 and 3 years old. 3-year-old in foal to Imported Horse.
- 6 Imported Percheron Stallions, 2 to 4 years old.

- 1 French Draft Stallion, 4 years old.
 - 1 Cross-Bred Stallion, 7 years old.
 - 7 Jacks 3 to 6 years old, 14½ to 15 hands.
 - 4 Big Jennets.
- Sale held under cover, rain or shine. Catalogs ready February 24. Write for Catalog and arrange to come to this Sale.

Auctioneers—Cols. Harriman, Long, Robbins, Macon, Bridges.
Fieldman—Ed. R. Dorsey.

W. H. BAYLESS-DE RO & CO.
Blue Mound, Linn Co., Kansas

Breeder's Sale

45 Stallions and Mares

Fair Grounds, Beloit, Kan.

The Mitchell County Horse Breeders' Association announce their sale of thirty-six registered Percheron Stallions and Mares, one French Draft Stallion, three German Coach and four Standard-bred Stallions and Mares.

Thursday, March 6, 1913

First prize and sweepstakes winners at the American Royal, Topeka State Fair, Hutchinson State Fair and various County Fairs will be offered without reserve. Catalogues ready February 20th. Address

**CHRIS HANSEN, Beloit, Kansas, or
M. A. SMITH, Cawker City, Kansas**

PERCHERON SALE

Stock Yards, Kansas City, Mo.,
Wednesday, March 5th, 1913

20 Mares and Colts
—Consigned by WILLARD R. BROWN, Minneapolis, Kans.

30 Stallions & Mares
Imported and American Bred
Consigned by J. C. ROBISON, Towanda, Kans.

This will be a dispersion sale of the Willard R. Brown Stud, which is one of the best in Northern Kansas, with 30 head of choice Stallions and Mares selected from the WHITEWATER FALLS STOCK FARM STUD, the largest Importing and Breeding Farm in America, J. C. Robison, Proprietor, Towanda, Kan.

Do not miss this, the greatest opportunity ever offered to secure good breeding stock of both sexes, either imported or American bred.



SCENE ON WHITEWATER FALLS STOCK FARM

Sale will be held at STOCK YARDS, KANSAS CITY, Mo., commencing at 12:00 noon. Address for catalogues
**J. C. ROBISON, Towanda, Kans.,
WILLARD R. BROWN, Minneapolis, Kans.**
Auctioneers: R. L. HARRIMAN, JOHN D. SNYDER, J. M. CREWS

Lamer's Percherons

At Public Auction
Thursday, March 13
50 Head Stallions
and Mares

Watch This Space Next Week for More
Detailed Announcement

C. W. LAMER & CO.
Salina, Kansas

P. S. C. G. Cochran & Sons also sell their Short-horn Cattle HERE on Friday, March 14, 1913.

Sale at Star Breeding Farm Near Elk City, Kansas, Monday, Mar. 10th

45 Head of High-Classed
Duroc-Jersey Bred
Sows and 5 Choice Young Boars.

12 Matured sows mostly bred to Model Top, 15 good fall yearling gilts, mostly bred to B. & C.'s Col., 29 spring gilts by B. & C.'s Col., and 5 choice young boars.

The majority of the above are sired by B. & C.'s Col., and a portion of the sows and gilts are bred to Model Top. A few are bred to S. D.'s Buddy, by Buddy K 4th, and a few are bred to Star Chief, by Good Enuf Again Chief. This really should be called a Model Chief sale. Mr. Breeder, if you want size along with the quality and blood lines, we have got them ranging in weight from 650 lbs., down in this sale.

Sale will be held under comfortable tent and we will do everything to make the day pleasant for you. Free conveyance to and from farm.

Col. Reppert will be with us and if you cannot come, send your bids to the Colonel or Ed. R. Dorsey who will represent this paper at this sale.

The above offering, with the exception of three, have had the simultaneous, or double, treatment. All stock guaranteed breeders and if any should fail under subsequent good treatment they are yours at market price. Pedigrees will be in hands of the clerk on sale day. Send for catalogue which will explain more fully. Address all letters in our care.

SAMUEL DRYBREAD & SONS
ELK CITY, KANSAS

POLAND CHINA Bred Sow Sale

Large Smooth Type at

South Haven, Kan., Saturday, March 8th
40 Bred Sows and Gilts Consisting of 9 Tried Sows, 31 Spring Gilts

The tried sows are by such sires as ON and ON, CHIEF, D's EXPANSION, and CORRECTOR. The gilts are most all by K's Hadley by Big Hadley's Likeness and bred to K's Orphan Chief by Orphan Chief. The tried sows are all safe in pig for March and April litters to either K's Orphan Chief or K's Hadley. A few are bred to Long Mastiff by Young Mastiff. Three August gilts by D's Expansion and out of a Defender Colossus dam. Show prospects, will also be included, also

FIVE HEREFORD BULLS, 8 to 20 months old, three by a son of Blizard and out of cows that carry the blood of Beau Real and Lord Wilton. For catalog write today.

I. E. KNOX, South Haven, Kan.

Auctioneers: Cols. John D. Snyder and J. R. Bonall.

Francis Olivier & Sons' Sale Of Big Type With Quality

Poland China Sows

One of the Best Offerings Ever Sold at Auction in
Southern Kansas, Size and Quality Considered

Danville, Kan., Friday, Feb. 28, '13

17 Tried Sows, 33 Spring and Fall Gilts
5 Spring Boars, (all immune)

These tried sows and gilts are either by or bred to such sires as Giant Expansion, Blue Valley Price and Blue Valley Hutch, two great breeding sons of the great sire, Blue Valley Quality. Others are by or bred to Cleveland Jim or J. R.'s Hadley.

The young boars are prospective herd headers, two of them are by Lu Expansion, by Blue Valley Expansion, and two are by Blue Valley Hutch and out of Expansion bred sows.

Most of the tried sows are by Giant Expansion, a half ton sire with plenty of quality and over an 11-inch bone, and are either bred to Blue Valley Price 65465 or Blue Valley Hutch, two of the best sons of Thomas Walker's great 1,000-lb. boar, Blue Valley Quality 43026.

We have the pork barrel kind. Farmers and breeders invited. Come to Danville or Harper, Kan.

Send bids to A. B. Hunter, who will act in your interest. Write today for Catalog.

OLIVIER & SONS, Danville, Kan.

Auctioneer—Col. John D. Snyder.

Clasen Bros. sell Durocs

Union City, Oklahoma

Thursday, February 27, 1913

Thirty-five head sired by and out of sons and daughters of prize winners. Twenty-five of these will be bred to my good herd boars. Ten head of tried sows will be sold, five head with litters at side sale day. One, by Oklahoma King, that farrowed 17 pigs and is raising 10. Fifteen bred gilts by Gold Mine, by the champion, Grand Master Col. II, and safe in pig to Clasen's Good E. Nuff.

The tried sows are mostly bred to M. H.'s Col., by G. & C.'s Col. Eight spring boars sell; among these are herd headers and show prospects; also two of my herd boars, Gold Mine and M. H.'s Col., as I now own a half interest in the great sire, Valley B., Hutchinson State Fair champion, 1912. Write today for Catalogs and address

Clasen Bros., Union City, Okla.

Auctioneers—Fred Groff, Fred Ball.

BIG BARGAINS IN REAL ESTATE

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

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

NICE impr. 160, \$35 per a. Also nice improved creek farm near town at reduced price. J. H. King, Cawker City, Kan.

SOME good bargains in well improved Jackson Co., Kansas, farms. Price \$75.00 and up. Wm. Harrison, Whiting, Kan.

BARGAIN: 57 a. extra improved, 3 mi. out. \$3,500. Send for land list. F. C. LIBBY, Blue Mound, Kan. J. L. Wilson, Salesman.

AGENTS WANTED, to sell Neosho Valley corn and alfalfa lands. \$40.00 to \$60.00 per a. G. W. Clark Land Co., Chetopa, Kan.

WANT to purchase section Western Kansas land at \$5.00 per acre, on terms. J. R. Collins, 1029 Omaha Nat'l Bank Bldg., Omaha, Nebraska.

\$1,000 CASH, balance easy terms. 160 a. in N. E. Kingman Co., fair imp's; a good farm; corn and wheat land. Price \$7,500.00. Box 22, Belpre, Kansas.

SUMNER COUNTY—Farms—alfalfa, corn, wheat, oats, all other crops grown here. Dairy and stock raising. Sure crops. Write Lock Box 285, Wellington, Kan.

20 DAYS ONLY. 320 a. stock farm, Washington Co. One mile to shipping point. \$60 per a. Terms. 50 a. wheat free. PRALLE BROS. REALTY CO., Bremen, Kan.

160 ACRES Scott county, Kansas. Price \$1,050. We have all kinds of good cheap property for sale. Free list. DONWELL, 612 Wyandotte, Kansas City, Mo.

WRITE for big printed list of corn and alfalfa farms in rain belt of Kansas. Biggest list choice farms in state. Kenyon & Holtzman, Concordia, Kan. (Pioneer Kan. farmers.)

FARM HOME for sale. Well improved, in good location; all kinds of fruit. Plenty of shade and ornamental trees. For particulars address R. R. No. 2, Box 55, Mulvane, Kan.

CENTRAL Southern Kan. alfalfa lands. 320 a. valley land, 200 suitable for alfalfa, \$8,000. 160 a. in valley, 120 in cult., \$4,800. For free list write P. H. THORNTON, Coldwater, Kan.

ALFALFA LAND—200 a. in the heart of the Artesian Valley in Meade Co., Kan., all good alfalfa land except 30 a., 70 now in good growing alfalfa. Well improved. Price \$15,000. 1/2 cash. 5 years on bal. at 7% int. Williams, Pickens & Denslow, Meade, Kan.

Immediate Possession
6 farms, every one a bargain. Write, state size you want.
SCHMEIL & SHARP, Osborne, Kan.

Along the New Railroad
5 quarters in Haskell, Grant and Stevens counties, near new railroad towns on D. C. & C. V., for \$7 per acre, on easy terms. Can sell single quarters.
HAVE GOOD PROPOSITION FOR AGENTS.
DON VAN WORMER, Richfield, Kan.

\$1.75 Per Month
For 10 months buys a guaranteed level, well located lot in Plains, Kansas. No "ifs" nor "ands," no favors shown, but a gilt edge proposition for those who act promptly. Only a few to be sold at this price. Send \$1.75 as first payment or write for complete list. JOHN W. BAUGHMAN, Desk G, Plains, Kan.

Sedgwick County Farm Bargains
200 a. farm, all good land, fair improvements, good location, only \$45.00 per acre. Just the price of grass land. 145 a. farm, good 7 room house, 2 barns, mostly alfalfa land, fine location, \$62.50 per a. Terms to suit. 240 a. farm, all alfalfa land, good improvements, only 10 miles to Wichita, the biggest snap in Kansas at \$60 per a. \$4,600 handles this. Come quick for this. Call on or write H. E. OSBURN, 227 E. Douglas Ave., Wichita, Kansas.

400 ACRES FOR SALE
Two sets of improvements in fair condition; plenty shade trees. 2 good wells, windmills and concrete water tanks; also creek water at each place. 240 a. of bottom alfalfa land and 160 a. of upland (black soil). 200 a. in wheat, 30 a. alfalfa, 60 a. pasture, bal. corn land, all tillable. 2 mi. town. Phone. Level roads. Will sell part or all. Terms on part. Price \$80 per acre.
T. F. JOHNSTON, Garfield, Kan.

FARMS FOR SALE
One 50 acre farm, 3 miles from town; price \$1800. \$700 cash will handle this farm. One 20 acre farm 2 1/2 miles from town; price \$1200. 5 years to pay at 7 per cent interest. One 155 acre farm 5 miles from town. Price \$52.50 per acre. 120 acre farm 4 miles from town; price \$40 per acre. One fine 160 acre farm 3 mi. from town, price \$85 per acre. 117 acre farm 2 miles from railroad, price \$45.00 per acre.
J. C. LAMING, Tonganoxie, Kans.

30 Minutes
From Wichita Union Stock Yards, just the place for a farmer and stockman. 120 acres in cultivation, 120 acres in grass, conveniently fenced into fields and lots. Some hog tight. A good 5 room house, barn, sheds, etc. Shallow water, all smooth and tillable; will grow good alfalfa; a deep rich loam soil. Just think of it! 240 acres all told for \$65 per acre and easy terms. This must be sold. THE LEACH REALTY CO., Wichita Kan.

SEVERAL large ranches and tracts of wheat land to trade for income and land east; land on crop payments, some bargains for cash. BUXTON LAND CO., Utica, Ness Co., Kan.

159 ACRES well improved, one mile of town, all tillable and smooth, 60 acres clover, 25 acres hay meadow, 35 acres wheat, rest corn. 7 room house, barn 40x50, double corn crib holds 1,000 bu. corn, 50 acres hog tight. Other good outbuildings, all buildings new. \$4,000 down, remainder long time 6%. Price \$75.00 per acre. Come at once. MANSFIELD, Ottawa, Kansas.

CASH BARGAIN. 240 a. well improved, bottom land close to town. No waste. Part time. Price \$34. E. changes. Write JESSE SIMPSON, Scandia, Kan.

OWNER MUST SACRIFICE—Fine, whole section; 100 a. in fall wheat. Ideal community. 4 mi. from good town. Price \$7,200. Better than railroad terms. Investigate. WINONA LAND CO., Winona, Kansas.

DO YOU WANT this 80 acre farm? It is well improved, 1/2 mile of town. Fine schools. A small payment will handle it. Ask about it—you will be surprised.
F. D. GREENE, Longton, Kan.

80 A. SNAP, 2 1/2 miles from town and graded school, all in cultivation, nearly all alfalfa land. Improvements worth \$3,500. Price \$6,000. Write us for full description. V. E. NIQUETTE, Salina, Kansas.

A SNAP. 240 acres valley and alfalfa land, running stream, small house and barn, 2-3 in cultivation, close to town, 70 a. in wheat, price \$32.50 per a. Half cash, easy terms.
TAYLOR & BRATCHER, Coldwater, Kan.

FARMS bought at right prices are a good investment. Send for our booklet containing choice bargains in the corn and alfalfa belt of southeast Kansas. Farms, prices and terms are right. Write for it today. MILLER & SON, Petrolia, Kan.

ATCHISON CO. bargain: 154 acres 1 mile from town with county high school; highly improved; all smooth land in high state of cultivation, 28 in wheat, 52 in clover, bal. other crops. Price \$18,000. Good terms.
JOHN E. SULLIVAN, Effingham, Kan.

280 A. 2 1/2 mi. from Garfield, Kan. In great Arkansas river valley. About 1/2 bottom land, remainder upland; about 200 a. broke, bal. pasture. Good new 7 room house; other outbuildings in good repair. This is an ideal location for a stock or dairy farm being close to main line of A. T. & S. F. R. R. Priced for quick sale at \$30 an a. Address owner,
C. R. MURRAY, Garfield, Kan.

EASTERN KANSAS, 1,000 acres, \$25 per acre. KANSAS, 1,730 acres, \$19 per acre. RANCHES, 1,871 acres, \$26 per acre.
T. B. GODSEY, Emporia, Kan.

COFFEY COUNTY, EASTERN KANSAS. Good homes and investments. Corn, tame grass and ranch lands, \$30 to \$60 per a. List free. LANE & KENT, Burlington, Kan.

FOR SALE OR TRADE. 100 farms, Western, Central, Eastern Kansas in tested counties. Crop failures unknown. List free. THOS. DARCEY, Offerle, Kansas.

50 FARM BARGAINS. Montgomery Co., Kansas; all sized tracts. Easy terms. \$30 to \$60 per acre. POSTER BROTHERS, Independence, Kansas.

COMANCHE COUNTY BARGAIN. 480 a. improved, 9 miles from Coldwater. 170 a. fine growing wheat, all goes, for quick sale, price \$27.00 per a. Terms if desired. C. A. HEATON, Larned, Kansas.

MORTON COUNTY. For complete information and list of bargains in deeded land and relinquishments near new railroad town, write LUTHER & CO., Rolla, 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.

MONEY-MAKERS AND GOOD HOMES. Lands in Oklahoma, Texas and Kansas for sale, no exchanges. City property and stocks of mdse. to exchange. List free. JABEZ F. BRADSHAW, Lenexa, Kan.

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. WILLIAMS & PICKENS, Meade, Kan.

REAL ESTATE WANTED. REAL ESTATE DEALERS and property owners are getting big returns in the way of quick cash sales through the use of small advertisements in our classified advertising columns. Homeseekers and investors all over Kansas watch Topeka Daily Capital want ads for attractive offers. The Daily Capital is the only daily in Kansas with a state-wide circulation—total guaranteed 34,000. More classified ads than any other Kansas daily. Most consistent result-producer. Over half million dollars worth of property sold through its columns the past year. If you want to sell or exchange property at smallest cost and in shortest time, try an advertisement in our "For Sale," "Business Chances" or "For Exchange" columns—results will more than please you. Special trial offer: Send a 30-word advertisement and \$1.50 and we will publish your ad for seven consecutive issues. For each additional word, seven times, add 5c. Send advertisement and remittance direct to Daily Capital, Want Department, Topeka, Kan.

672 ACRE farm. 3 sets improvements, near Arkansas City, Kan. 65 in alfalfa. Best of terms. Ask about this good farm. 80, 160, 240, 320, 408, 620, all above farms are good prices from \$30 up to \$56 per a.
WM. GODBY, Arkansas City, Kan.

LINN AND BOURBON CO. FARMS. Biggest bargains in Kan. Corn, wheat, timothy, clover, bluegrass land \$15-\$20. Coal, wood, gas, abundance good water. Fruit, everything that goes to make life pleasant. Large illus. folder free. EBY-CADY REALTY CO., Pleasanton and Ft. Scott, Kan.

FOR SALE. A good grain and coal business, elevator 14,000 bushels capacity and is well built and covered with galvanized iron and was erected July, 1911. Have shipped this season 58 cars of grain up to date. If interested address J. H. WOLF, Macksville, Kan.

THINK OF IT. We will sell you 160 or 320 acres of the best unimproved corn and wheat land in Wallace county, Kansas, for \$10 an acre. \$1 an acre down, balance in nine equal payments 8 per cent.
THE WARD-SCOTT INVESTMENT CO., Sharon Springs, Kansas.

GREATEST JEFFERSON CO. BARGAIN. 160 a. 3 mi. to good R. R. town. Elegantly impr. \$55 per acre, 110 acres under plow, 10 a. fine wheat, bal. bluegrass pasture. A little timber. Several good 40 and 80 acre tracts from \$3,000 to \$5,000. Other great bargains.
JOHN A. DECKER, Valley Falls, Kan.

FLORIDA
FOR SALE BY OWNER: Four very desirable unimproved pieces of property in Alachua county, Fla. 90, 20, 30 and 30 acre tracts on large lake. Not to be classed with the ordinary Florida lands being offered for sale. Terms to suit customers.
T. S. McMANUS, Waldo, Fla.

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

950 A. El Paso Co., Colo. 400 bottom alfalfa land, bal. valley. Water 10 to 30 ft. Farming 300. \$18. A snap. E. J. Votaw, Wichita, Kan.

960 A. stock ranch, \$16,000. Well improved. Fine hay, irrigated, good range. All tools, stock, all equipments. L. A. COBB INV. CO., 242 Century Bldg., Denver, Colo.

SAN LUIS VALLEY, Colorado, 160 a. 3 mi. good R. R. town; lays fine; plenty of water; partly cleared and ready for plow; 4 room house; small stable; only \$40 a. Worth \$60; small cash payment; bal. long time 6%. Write owner, E. G. BYLANDER, Sedalia, Mo.

GOLDEN opportunities for a home and investments—NOW. Fine farms, ranches, \$8 to \$10 per a. A few relinquishments. Did you see "bleeding, alms-receiving Kansas" become the wealthiest state per capita? Only a few hours' west of Salina, no finer soil on earth; 50 schools, 4 banks, churches, best of Colorado. Now. Pamphlet.
R. T. CLINE, Townser, Colo.

182 ACRES 3 1/2 miles from Ft. Collins, 1/2 mile to good school. Last year 50 acres beets sold for \$5,600; 50 acres alfalfa sold for \$5,500. Best water rights guaranteed. First class improvements all around. Can be leased to present tenant for \$1,500 net per yr. for 5 years. \$11,000 cash and time on remaining \$10,000. Let me send you particulars of this and other bargains in stock ranches, irrigated farms and garden tracts.
F. S. DOTY, 337 Ry. Ex., Denver, Colo.

I AM THE SOLE OWNER of the following irrigated alfalfa farm, which I wish to dispose of without delay, with special inducements for quick sale.
320 acres, half in alfalfa, 40 acres fall wheat, 10 or 15 acres ready for sugar beets, new four room house, shed, barn, etc. Fine neighborhood, phone and R. F. D. Four miles from growing R. R. town, one mile from station, Bent county, Colo. Will accept reasonable cash payment, and long time for balance. Low interest.
GEO. R. WILSON, Lamar, Colo.

COLORADO BARGAINS. Stock ranches, irrigated farms.
H. E. KEELER, 1649 Champa, Denver, Colo.

THE INTERNATIONAL REALTY & INV. CO. 618-20 Gas and Electric Bldg., DENVER, COLORADO. Write us for highly improved irrigated and dry farms, choice Fruit Tracts in Colorado, and City Property in Denver.

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

WRITE Morris & Walker for list of south Missouri farms, Mountain View, Mo.

160 A. farm, \$1,800, imp. Write for picture. Box 594, Mountain View, Mo.

STOP! Listen! 80 a. creek farm \$850; terms. Other farms. McGrath, Mountain View, Mo.

FOR SALE. Some of the best farms in Central Missouri. For list and particulars write W. B. Marshall, Ionia, Mo.

WELL imp. 160 acre farm, 6 1/2 miles out; \$4,500, on easy terms. Write for particulars. DeMotte Realty Co., Mountain Grove, Mo.

FREE, "The Ozark Region." Contains new list cheap lands, and valuable information. Durnell & McKinney, Cabool, Mo.

WRITE for list improved farms in heart of Corn Belt (Northwest part of State), H. J. Hughes, Trenton, Missouri. Seller of Missouri Black Dirt.

MISSOURI agriculture and grazing land \$15 to \$50 per acre. Finest climate, best water and grass. Some tracts to trade. R. W. Hedrick, Cole Camp, Mo.

LAND BARGAINS—\$5 down, \$5 monthly buys 40 acres, good timber land, south Missouri; price \$200. Perfect title. Write for list Mo. lands. Fred Jarrell, Mt. Vernon, Ill.

FREE HOMESTEADS—261,230 a. now subject to entry. No swamps, no negroes; pure water. Free information. Ozark Homes Locating & Publicity Co., Harrison, Ark.

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.

ONE OF THE BEST 200 acre farms in Howell Co., Mo. 160 a. cult. Good house, large barn, other buildings. Fine water, all fenced; plenty fruit. Near county seat. 1/2 mi. school, 3 mi. town. \$6,500. Terms. No trade. A. P. COTTRELL LAND CO., Pomona, Howell Co., Mo.

OZARK LANDS FOR SALE. 40 a., all fenced with woven wire, 36 a. in cultivation, bal. pasture, new 5 room house, large barn and other outbuildings, fine water, 1/2 mi. school; mortgage \$500 due 4 yrs. at 5 1/2%. Price \$1,400. List free.
JAS. B. WEBB, West Plains, Mo.

SPECIAL BARGAIN MUST SELL QUICK. 284 acre farm, highly improved and most conveniently located. In Pettis county, Mo. Must be sold by February 15th, 1913. Has 100 acres of good bottom land. An ideal stock farm. Price \$45 per a. Small payments and easy terms. No trade.
J. H. FREDERICH, Cole Camp, 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.

Poor Man's Chance
40 acres, well improved, 6 miles Warrensburg, town 6,000, 3/4 mile school. All in cultivation, lots of water. Price \$50 per acre.
O. J. TAPP, Warrensburg, Mo.

A Remarkable Bargain
320 A. all level land, 65 a. in cult., 80 a. pasture; bal. saw and tie timber. 180 fenced, wire and rail; 9 room house, good well at house; barn 70x70; good well at barn; smoke house, other outbuildings; phone in house; handy to school and church; 6 mi. to North View on Frisco R. R. 5 mi. to Fairgrove; 8 mi. to Co. seat, Marshfield; price \$17,000. Incumbrance \$5,000, 5 per cent, due 6 years; will exchange for good Kansas farm. Will assume as much as \$9,000. What have you to offer? See or write PURDY & COMPANY, Springfield, Mo.

S.E. Mo. Corn Lands
We are in the heart of the drained lands of S. E. Mo. The soil is a fine black, sandy loam and adjoins town of Malden; population 3,000. Five thousand acres have been sold and is in cultivation. A Kansas farmer said he would not take \$1,000 for his bargain. The price on this land is \$32 per a. 1/4 cash, bal. one, two, three years at 6%. Write for literature.
MALDEN REAL ESTATE CO., Malden, Mo.



One of the large wheat fields in the S HALLOW WATER DISTRICT, Logan county, Colorado. This field yielded 46 bu. per acre. This is the finest farm land in the West, and we are selling it at the very lowest prices. One crop pays for the land. Finest soil and water. Close to market. Agents wanted. Write for free circular. PLATTE RIVER VALLEY LAND COMPANY, 1119-22 City National Bank, Omaha, Nebraska.

FOR SALE OR EXCHANGE

OKLAHOMA

INDIAN LANDS eastern Okla. rain belt. Write J. J. Harrison, Pryor, Okla.

N. E. OKLA. prairie farms. Easy payments. Write J. T. Ragan, Vinita, Okla.

600 FARMS and other prop. for sale or ex. Blackwell Real Estate Co., Blackwell, Okla.

KAY COUNTY corn, wheat and alfalfa lands, \$20 to \$75 per acre. New list free. N. E. SAYLOR, Newkirk, Okla.

800 ACRES black land, 2 1/2 miles from railroad. 450 acres in cultivation, 4 sets of improvements. \$50 per acre. E. HOLCOMB, Durant, Oklahoma.

640 A. 3 mi. Hodgson, Okla. on main line Ry. In fine grass and timber; part tillable, close to oil and gas well drilling. For quick sale \$5 per a. W. F. Colson, Heavener, Okla.

BARGAINS on farms in New Eastern Oklahoma. Good wheat, alfalfa and small grain land. 47 inch rain belt. Fine grass and several large ranches, cheap. Write today. Union Security Co., McAlester, Okla.

480 A. this county. Half level with good grass and scattering timber. Balance somewhat rough but all splendid pasture. Half million feet of yellow pine timber. Some tillable. \$4 per acre. Terms. No exchange. SOUTHERN REALTY CO., McAlester, Okla.

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

SEVERAL FINE FARMS FOR SALE in the best corn and cotton belt of Eastern Oklahoma; 80 to 600 acre tracts, \$25 to \$60 per acre. R. B. HUTCHINSON, Checotah, Okla.

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

CANADA

CANADA LAND
For Sale: A few choice sections well located in Saskatchewan and Alberta. Very easy terms to actual settlers. Address Box 329, Minneapolis, Minn.

OWN YOUR HOME IN CANADA.
Buy a farm in Sunny Southern Alberta, any size, easy terms. Climate ideal, soil unequalled, no crop failures, no personal tax. Write today. LYNN W. BARRETT, Aldersyde, Alberta.

TEXAS

FREE. Taylor's Texas Investor (Magazine). A money saver, write now; six months free. H. S. Taylor, Houston, Tex.

160 A. improved, \$35. 40 a. improved \$45. Easy terms. Close in, black soil. Artesian water. J. H. Cope, Palacios, Tex.

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

RANCH of 1,500 a. near Brownwood, Tex.; best farming or cattle raising ranch in state; close to 2 railroads; title clear; no inc.; will sell ranch or cut into farms. Terms. C. W. NICHOLS, 631 Rialto Bldg., K. C., Mo.

FOR SALE—Cheap Texas land 8 miles south S. P. R. R. in Brewster county. Buy a section and hold for investment; 50 cents per acre cash, balance easy terms; 60% tillable. Title perfect. W. Willeford, Flatonia, Tex.

NEW RAILROAD building through the Panhandle opens up richest territory in Southwest. Great opportunities in small grain and stock farming. Invest while land is cheap. C. E. McLarty, Ochiltree, Texas.

THE BEST cheap land proposition in the United States today. Wheat yielding from twenty to forty bushels per acre, all other crops equally good. Write us for particulars. J. N. JOHNSON LAND CO., Dalhart, Tex.

LISTEN! Tarrant county, Texas, has more railroads, more inducements for homeseekers in good lands, planked roads, good markets, health record, schools, churches, etc., all things considered, than any county in the Southwest. Ask for special list of farms, ranches and dairy propositions, etc. to this great city. KITCHEN-VAUGHN-SEAVER CO., Fort Worth, Texas.

BUY COAST FARM LANDS.
We make a specialty of locating the best for the money for the homeseeker and investor. For list and free information write C. H. Stanciliff Land Co., Houston, Tex.

HALF THE PRICE
You pay in the North, or less, will purchase prairie land, 160 acres up. Will yield 40 bushels corn per acre, only \$40 per acre. Plenty rain, fine climate. Have some exchanges. See or write JNO. C. PENN LAND COMPANY, Houston, Tex.

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

All About General Farming in the Mid-Coast Country of Texas
Write for our illustrated booklet.
Mid-Coast Colonization Company
A. A. Highbarger, Mgr., Bay City, Texas.

ARKANSAS

FARMS and fruit lands. All sizes and prices. T. A. Bayley, Ft. Smith, Ark.

GOOD fruit and farm land, cheap; terms. S. L. Consalus, Mammoth Spring, Ark.

LANDS CHEAP. Book and list free. Address J. T. Carlton, De Queca, Ark.

FOR SALE: Well imp. 240 a. near city, \$12.50 a. J. A. Webb, Russellville, Ark.

BENTON county. We have extra bargains in fruit and grain farms. Some exchanges. Address Fraser R. E. Co., Gravette, Ark.

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

\$91 A. alfalfa and cotton land; some improved, tracts to suit. \$75 per a. New list free. Pope Co. R. E. Co., Russellville, Ark.

40 A. improved fruit farm near Gravette, \$3,900. 400 a. timber land N. E. Okla., \$5 per acre. J. T. OSWALT, Gravette, Ark.

50 ACRES improved, near Clarksville, Ark. county seat of Johnson Co. Price \$15.00 per acre. For further information write M. S. Park, Clarksville, Ark.

DO YOU want a farm in Arkansas? If so, write for my illustrated book. Imp. and unimp. prairie, timber and rice lands. Write me today. Olaf H. Kyster, Stuttgart, Ark.

ATTENTION. We have selected list of very best bargains in farm, fruit, alfalfa and timber lands in Ark. Get our list of bargains. A. W. Estes Co., Little Rock, Ark.

HOMES in N. W. Arkansas, fruit, stock and grain farms from \$5 per acre up. Living water, ideal climate, good soil, bargains; 250 acres well improved \$2,500. Hotel \$2,500. 18 acres well improved and close in \$2,700. and other bargains. Write HINDSVILLE REALTY CO., Hindsville, Arkansas.

33 ACRES 1 1/2 miles from Siloam Springs, Ark.; 25 a. in cultivation, balance pasture. Good house, barn and outbuildings. 10 a. apples, 5 a. peaches, also pears, plums, cherries, blackberries, raspberries, strawberries and grapes. Well at house, springs in pasture. In the fruit belt of northwestern Arkansas. Fine climate, splendid water, nice people; price \$3,300. MRS. H. T. GRAVES, Siloam Springs, Ark.

430 ACRES rich dark loam land; 120 cultivation; bal. timbered; level, no rocks; 1 mi. R. R. \$12 acre, 1/2 down. ROBERT SESSIONS, Winthrop, Ark.

274 A. dark and red loam. 200 a. in cultivation, 6 room residence, 4 renter houses, barns, outhouses, wells, springs, orchard and pastures, on graveled road, railway and phone line. 1 mile from town. \$6,000.00, easy terms. H. M. McIVER, Texarkana, Ark.

A REMARKABLE BARGAIN.
623 ACRES; good 8 room residence; two tenant houses; 130 a. cultivation. 2 mi. railroad town. No wash land. Price \$10 per a. Other lands. R. C. THOMAS, Magnolia, Ark.

Arkansas Land \$5 to \$40 per acre. 1913 land list free. J. E. DOW & CO., Carter, Arkansas.

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

IDAHO

80 ACRES fine irrigated land for sale or lease; splendid opportunity. BANK OF HOLLISTER, Hollister, Idaho.

LOUISIANA

DON'T be a renter; we sell finest improved corn land in North Louisiana on 15 years' time. Write HUGO JACOBSON, Salina, Kansas, immigration agent.

Farmers, Renter, Tenants

DO YOU WANT SOME LAND RESERVED FOR YOU FOR 5 YEARS? NO INTEREST. NO TAXES. WHEN THE 5 YEARS ARE UP YOU CAN BUY AT \$10 an acre. On Kansas City Southern R. R., Vernon Parish, "Louisiana Highlands." Fine climate, water and health. Near county seat. Send for literature and reservation plan. J. D. LA BRIE, 510 Keith & Perry Bldg., Kansas City, Mo.

There is Lots of Louisiana Land That Will Produce Three Times Its Cost Every Year

Louisiana is in a class by itself. For rich land, big crops, low prices. It makes no difference if you are rich or poor, an owner or tenant, where you live, or what you are interested in, Louisiana offers you more opportunities, more show to get ahead, bigger returns for your work and investment, than any other section on the North American continent, barring none.

We have soil here that is so rich it could be used to fertilize your northern farm. We can raise the biggest kind of crops of corn and alfalfa; fatten hogs and cattle for half the money it costs in North or Middle West, and this land can be bought from \$10.00 to \$25.00 per acre.

We have issued a nice illustrated booklet with a number of fine photo engravings showing the splendid growing crops of this country. It tells FACTS in big letters about this section in a simple and a plain way. It is free to you just for the asking. Every farmer should read this book for the information undoubtedly will prove to be of great value to you; it probably will give you the opportunity of making an investment, the best you ever made in all your life. Farm for yourself; farm in Louisiana and particularly farm in Alexandria district. Sit right down now and write us a letter for full information about this most wonderful section of the country.

COOK-ALEXANDER LAND CO., Alexandria, Louisiana.

GROCERIES for land or land for mds. F. Gass, Joplin, Mo.

EXCHANGES—all kinds—free list. Fester Bros., Independence, Kan.

BATES CO., Mo. farms for sale and exchange. J. N. Duke & Co., Adrian, Mo.

WRITE for my new exchange list of Dickinson Co. Farms. Melvin Smeltz, Enterprise, Ka.

IF YOU have mds., income property or land to trade, list it with Triplett Land Co., Garnett, Kansas.

SOUTH MO. imp. lands for sale and exchange; low prices. Write to or call and see Goff, Sess & Co., Willow Springs, Mo.

WE BUY, sell, exchange anything, anywhere of value. Ozark Co-operative Realty Co., Willow Springs, Howell Co., Mo.

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

BARGAINS in southern Kansas farms. \$40.00 to \$75.00 per acre. Exchanges. Send for list. N. F. Paulin, Parsons, Kan.

960 A. Trego Co.; 200 creek alfalfa land, impr. \$24,000. Would consider good 160 acre farm for part. Stevens & Ruby, Stockton, Kan.

EXCHANGES, cash sales of farms, city property, merchandise. What have you? Address Southwest Real Estate Exchange, Moriarty, N. M.

FOR SALE OR TRADE: Quarter section of land in Gray county, Kansas. Price \$25 per acre. Half cash or trade. Balance terms to suit. J. H. WOLF, Macksville, Kan.

WANT MERCHANDISE for 320 a. alfalfa, wheat and beet farm. 240 under ditch, \$65.00 per a. Clear. Owner will put in some cash for No. 1 stock. Box 874, Garden City, Kan.

TOUCH a live wire. Our Red Letter Special will trade your property. List today. Guaranteed deal. Write for particulars. Midwest Realty Exchange, Riverton, Neb.

TO TRADE: 360 a. improved farm, 4 1/2 mi. to Wakeeney. Fine land. Price \$40 per a. Mortgage \$4,800. For good eastern Kansas land. W. H. Doerschlag, Ransom, Kan.

WOULD you trade your farm; city residence, rental property; mds.; hotel; steam plow; auto or other property for good land? Write Kysar Realty Co., Goodland, Kan.

WHAT have you to trade for Arkansas level cutover land? Close to railroad; no overflow; no negroes; no rocks. Shaeffer Land Co., 640 Reserve Bk. Bldg., Kansas City, Mo.

TO EXCHANGE for merchandise or hardware, 320 acres improved, 3 1/2 miles from good town in south central Kansas. Address L. H. Whiteman, owner, 213 Biting Bldg., Wichita, Kan.

TO EXCHANGE for farm, nice clean stock general merchandise. Invoice about \$11,000; want to deal direct with owner. Will take livestock and implements on deal. Address Box 106, Medicine Lodge, Kansas.

FREE—Loose Leaf Exchange Book. It will match your trade. Write Desk A. E. P. JOHNSON, Ordway, Colo.

SEVEN improved farms in the Ozarks to trade for mds. or western land. J. L. SMITH, Cabool, Mo.

FOR SALE—Choice wheat, corn, and alfalfa lands, in Clark, Ford, and Meade Cos. Write for list, trades. NATE NEAL, Real Estate, Minneola, Kan.

160 ACRES 3 mi. from Dodge City. New 10 room house, good barn; 60 acres good alfalfa; 50 acres more of alfalfa land; balance wheat land; fenced and cross fenced; Price \$100 per acre. Will exchange for eastern Kansas or Missouri land. W. T. HALE & SON, Dodge City, Kan.

This Splendid Irrigated Farm For Sale or Exchange

I have a beautiful 40 acre irrigated farm in the lower Pecos Valley of Texas for sale, under a completed irrigation project, one that has been in successful operation for two years and where land in alfalfa has actually earned \$100 an acre. This 40 acres is level as the floor, every acre is tillable, excellent grape, peach and alfalfa land. One-fourth mile from Imperial, an inland town. Only one-fourth mile from main canal. A beautiful even climate, plenty of water. I will sell this land at \$100 per acre and take from \$1,000 to \$2,500 in exchange in pure bred cattle, hogs or horses. Land in this vicinity is selling at \$100 to \$150 per acre. For full details address W. R. DRAPE, 924 BALTIMORE AVE., KANSAS CITY, MO.

LOUISIANA

Ruston, Louisiana

is the best place for a tenant farmer that only has a little money to own a farm. Rich fertile soil—Ample rainfall.

Healthy Climate

Two crops a year—Good markets. \$10.00 to \$25.00 an acre, easy terms. No floods, mosquitoes or swamps. Write for illustrated literature.

NORTH LOUISIANA REALTY & INV. CO. RUSTON, LOUISIANA.

NEBRASKA

FOR SALE, cheap. 640 acres A-No. 1 land, all level, unimproved, in Kimball Co., Neb., 6 miles from R. R. and town. Your own terms. T. HARTNETT, Sutton, Neb.

ARIZONA

ARIZONA, FOR GOOD GOVERNMENT LAND.

Climate healthy, summers cool, winters mild, soil fertile. Grain, fruit, and dairy. 200 mile auto ride through valleys. ELGIN COMPANY, Elgin, Arizona.

STOCK of hardware and implements in eastern Kan., good country, stock about \$2,000.00, handle John Deere implements, Brick, 3 story, store room. Price \$3,000.00, incumbrance \$3,000.00. Owner is a farmer, and wants to exchange for a good farm. H. CLAY BOWSHNER, 4050 Broadway, Kansas City, Mo.

FOR SALE AND EXCHANGE
Ozark lands in tracts to suit, \$4.00 acre up. List free. Anna E. HeckenSmith, Ava, Mo.

FOR SALE AND EXCHANGE.
Washington Co. improved farms at \$50 to \$180 a. Write F. E. Beeson, Washington, Ka.

FOR SALE AND EXCHANGE.
Ness Co. lands and mds., at low prices. No triflers. Fully describe and price your proposition. C. F. Edwards, Ness City, Kan.

WANT ARKANSAS LAND
in exchange for good improved 160 acres Phillips Co. Other exchanges. I. R. ELDRID, Phillipsburg, Kan.

THIS MEANS YOU.
Wipe the tears out of your eyes. We can trade that mortgage. Will get what you want. List your property. OWNER'S SALE & EXCHANGE, Independence, Kan.

FARM BARGAINS.
Farms, ranches, city property and merchandise; for sale or exchange, any size, any price, anywhere. Write for large free list. SEWELL LAND CO., Garnett, Kan.

GOOD BARGAINS IN MISSOURI LANDS.
Now's the time to buy, while lands are cheap. Howell Co. products won 1st prize at Missouri State Fair. We sell, we trade; what have you to exchange? "Write Kirwan & Laird about it." West Plains, Mo.

FIRST CLASS HOTEL FOR SALE.
20 rooms in the best small new town in south Florida. New and modern, completely furnished, good water connections in house. A rare opportunity for a hustler. FLORIDA DEVELOPMENT COMPANY, Davenport, Fla.

ONE OF THE BEST PAYING PROPOSITIONS IN GARNETT, COUNTY SEAT OF ANDERSON COUNTY, KANSAS.
Stone and brick hotel, double building, two story, on main street from Santa Fe depot, all furnished, 25 cents per meal. Does the biggest business of any hotel in Garnett. Price \$8,000.00 complete. Owner will exchange this for a good farm of about equal value worth the money. Best of reasons for disposing of the same. Address WILSON & RESSEL, Agents, Colony, Kan.

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

For Sale or Exchange

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

For Sale or Exchange

13 lots in St. Joseph, Mo., South 22nd St. between Oak and Cedar, 8 room modern dwelling, 4 room cottage, brick cave, barn, cistern, shade, good location and repair. Price \$14,000.00. Incumbrance \$6,200.00. Two lots Maysville, Mo., small improvements, \$2,200.00. Incumbrance \$500.00. Also \$4,200.00 1st mortgage, 313 acres in St. Clair Co., Mo., 2 yrs. 6% Equity in all or part for equal value in land or merchandise. Submit your offer. W. L. BOWMAN REALTY CO., King City, Mo.

Want a "Buick" Auto?

Have two model "F" Buick automobiles to trade for livestock of any kind if priced worth the money. Cars have been owned by farmers and are in excellent condition. M. W. PETERSON, Hanston, Kan.

Johnnie Get Your Gun

The bill offering a bounty of \$5 per head for scalps of female coyotes and \$1 per head for males, outlined in last week's Mail and Breeze by A. J. Rice, of Hill City, has received the favorable consideration of the senate committee on agriculture in the Kansas legislature. It is believed this sum would be incentive enough to make it interesting for farm boys to trap or hunt out the coyotes and would go far to exterminate wolves generally.

Another coyote bill in the house, known as the Drew bill, makes it unnecessary to detach the scalp from the hide, as a coyote hide brings more money with the scalp left on it. County clerks are to punch holes in the ears of the scalps and let the owner take them away.

The present bounty law is a waste of money because it permits the wolves to increase and is costing more each year without being effective.

This wonderful invention will revolutionize farm life

It marks the beginning of a new era. Reduces farming to a scientific basis, increases the efficiency of your labor, swells your profits, saves time, saves trouble, saves money. Keeps the boys at home and makes the farm modern and automatic.



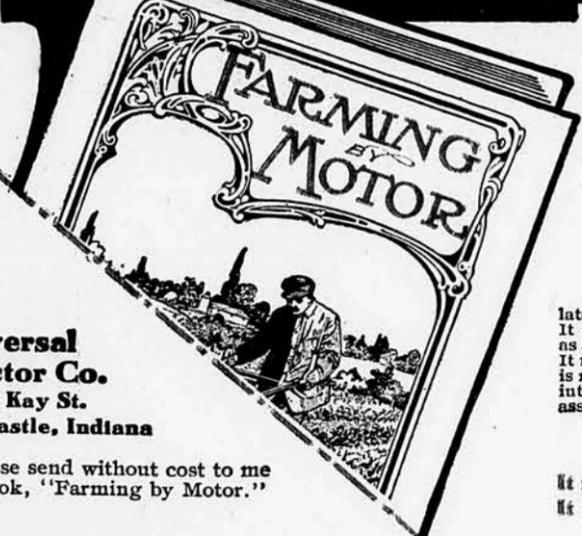
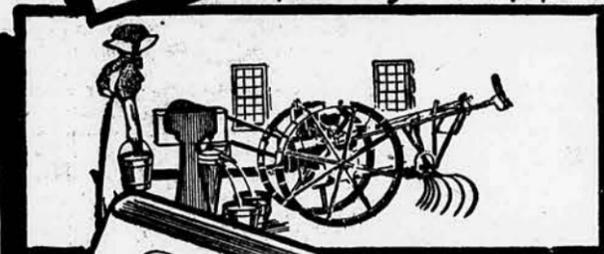
Universal Tractor operating Grind Stone



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Universal Tractor Co.
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Newcastle, Indiana

Please send without cost to me the book, "Farming by Motor."

NAME.....

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STREET OR R. F. D.....

COUNTY..... STATE.....

HERE IT IS AT LAST,—the device you have been wanting for so many years! A machine that goes wherever it is wanted under its own power and that does the work of a stationary engine in addition to the work of a horse. The device that harrows your ground, drills, plants, weeds and cultivates your fields, saws your wood, pumps water, grinds your grain, chops your feed, runs your churns and separators, your washing machine and your electric generator; a machine that does in one hour the work that now requires half a day and does it better, easier and more economically, that costs little to operate and that costs nothing when not actually working,—that makes money for you while your horse is eating his head off in the barn. The

Universal Tractor

annihilates farm drudgery as the automobile has annihilated distances. It is the touring car of progressive farming. It multiplies the efficiency of farm labor as modern machinery has multiplied the efficiency of factory labor. It enables one man to do the work heretofore done by two. The only limit to its capacity is the capacity of the operators. With three shifts of drivers the Universal Tractor can work in the fields for twenty-four hours straightaway. Its total operative cost is trifling in comparison with the cost of the feed consumed by a horse.

The Universal Tractor is obedient to the touch of the thumb. It runs with uniform and unvarying speed according to your will and not at the caprice of your horse. One, two, three or four miles per hour exactly as you wish, the Universal Tractor maintains a perfectly uniform and unvarying rate of speed no matter how rough or uneven may be your fields.

If you want to cultivate close up to the rows of growing plants you can regulate the position of your shovels accordingly. If you want to straddle the rows you can do so without danger of injury to the plants such as is almost certain to occur when you do your cultivating by horse.

The Universal Tractor will do any work that a horse can do in cultivating your fields and do it much better, quicker, cheaper and easier. It will also operate any machinery that you can operate with any three to five horse power engine, and it requires no special skill to operate. It is so simple that a child can start it, regulate its speed or stop it without assistance and without danger. It is built as strong as a young locomotive and as accurately as a watch. It can not freeze up in the coldest winter weather. It requires little attention and it is so perfectly adjusted that it is not liable to get out of order. All parts are standardized and interchangeable and can be removed or replaced without the assistance of a mechanic.

Think what this will mean to you. Think of the time you will save, of the trouble and delays you will avoid. Here is a cultivator that runs itself, one that works without tiring, one that never needs to stop for water or feed like Old Dobbin, that maintains a uniform rate of speed, that you can guide to the accuracy of a hair's breadth, that has power to spare and that is always ready for work. Here is a harrow that works automatically,—a drill and seeder that does not depend upon any horse,—a weeder that will go through twelve acres of ground in less time than you now require to go through six acres with your horse-drawn weeder.

Here, in the same machine, is an automatic churning device, a motor for your separators, a power plant that will operate all your small machinery, one that will go to the place where the work is to be done instead of making you bring the work to it. And all this for a price that compares favorably with that of a high grade stationary engine capable of doing only the simplest kinds of work, and this only when the work is brought to the engine.

The Universal Tractor opens up to you, Mr. Farmer, an outlook of unlimited opportunity. No more delay cultivating your growing crops with a horse drawn cultivator. No tramping on the young plants, nibbling at the tops of the tender sprouts, no more lurching and plunging of the old horse as he starts up after pausing to shake off a horse fly. No more back breaking labor over the chopping box or the feed mill, no straining at the cider mill; no more hard drudgery for your wife at the separators and churns and washing machines.

With the Universal Tractor you will enter upon a better, easier, pleasanter mode of living because all your hard work will be made easy, your labor will return you a larger profit, and your sons and daughters will not want to leave the farm because farm life will be more pleasant and more profitable than city life can ever be.

This story of The Universal Tractor is too long to be told in a single advertisement. It is fascinating. It reads like a romance. Write today for the book "Farming by Motor." It is free. It tells you everything. Fill out the coupon and send it to us by return mail.

THE UNIVERSAL TRACTOR COMPANY

30 KAY STREET,

NEWCASTLE, IND.