

THE FARMERS MAIL AND BREEZE

Volume 43

August 16, 1913

Number 23

Keep Your Cattle—Don't Worry

There'll be Enough Feed by Fall
if It's Saved



THE cattle market will go to pieces if the receipts continue as large as they have been in the last ten days or two weeks. Experience has taught that lesson in other years. More than 47,000 head were entered in the Kansas City yards in two days, not long ago. No market can stand this and be satisfactory to the producer.

Kansas will have plenty of feed, this fall. The corn in the fields at this hour can be saved for the silo. The feeding quality of corn in tassel or about ready to tassel might not be high grade, if it were cut for fodder now, but put into the silo it will be tiptop insurance. Fed with hay or even with straw it will make an excellent winter ration. Short, immature corn, filled with sap, will make good silage if it is stored when the leaves—not the stalk—are about dry.

Millet or cowpeas, sown now, will make good pasture by fall if any rain falls—and everyone knows there'll be rain. The chances

are that it will be here before this paper reaches its readers. With a little rain kafir and milo ought to make good silage, or they'll do for forage.

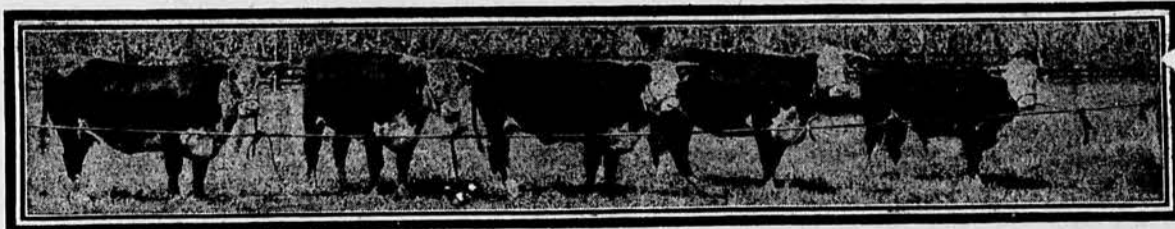
Keep your cattle. You'll be sorry, later on if you join the crowd. You know all about supply and demand, don't you?

Remember how everyone shipped hogs, a few years ago? All kinds of hogs went to Kansas City and the other markets, attracted by the high price. Didn't last very long, did it?

Remember other years, don't you, when men grew panic-stricken, like stock-brokers in the cities, and followed the crowd, dumping all their holdings into the common hopper? That's what beats men and robs them of their just share, deprives them of a fair return for their labor.

Keep your cattle, and hustle for the feed. Stack the Russian thistles if you can't do better. Despised in good times they'll do mighty good service in hard times.

Keep your livestock.



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Hinges
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This new car is larger, more speedy and powerful, more finely equipped and more elegantly finished, but in spite of this enormous value increase the price has been materially decreased.

The motor has been enlarged to 35 horsepower and will develop 50 miles an hour with ease.

The wheelbase has been lengthened to 114 inches—which is the average wheelbase of \$1500 cars.

The 1914 Overland tires are larger; the tonneau is longer and roomier; the equipment is better—including such big and costly additional features as electric lights; the body is handsomer, being finished in beautiful rich dark Brewster green, with heavy nickel and aluminum trimmings.

The 1914 Overland is the most magnificent and graceful popular priced car that has ever been made.

In fact, in every single and individual respect here is a much greater, bigger and better car at a reduced price.

This is only another demonstration of how big production will cut costs. For, instead of building 40,000 cars as in 1913, this year we will build 50,000 cars. This is the world's largest production on this type of car.

One big western dealer is begging our sales department for an allotment of 7000 cars. Think of this! A single allotment greater than the individual outputs of over 50% of all the automobile factories in existence.

Other dealers and distributors in the big eastern and western agricultural districts want several thousand cars apiece. Such is the initial demand for the newest Overland.

As we have told you in the past: the combined buying power of thousands lowers the cost for each individual. This year 50,000 will be bought. Therefore we can make a greater reduction than ever. Overland quantity production saves money for you—and lots of it. This year it is saving far more than ever before, because in addition to increased production we are building but one chassis.

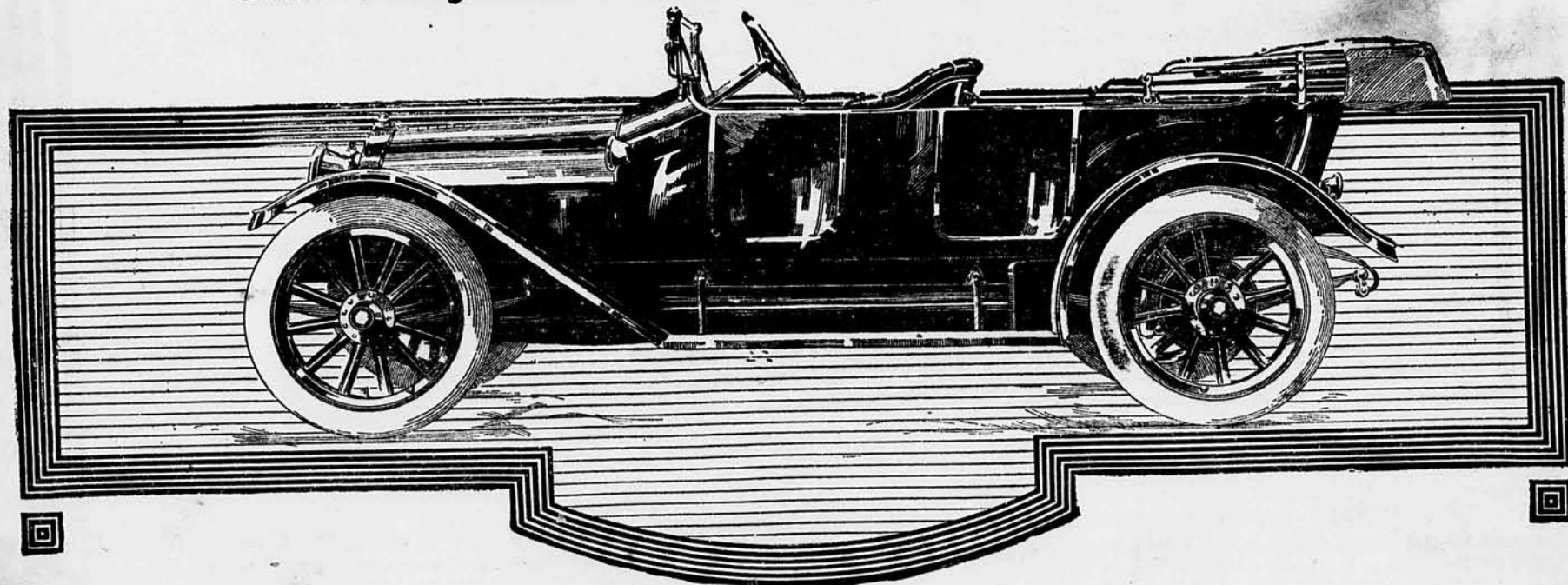
We urge you to see this new model at once. Feel what a difference the increased wheelbase makes in riding comfort; see the car's changed appearance; examine the beautiful new finish; inspect the many little refinements about the motor—making it resemble the motors in the big \$3,000 and \$4,000 cars. Examine the tonneau. Enjoy the increased lounging space and the Turkish upholstery.

Look up the nearest Overland dealer. Have a demonstration. Make the demonstration thorough; test the car's remarkable fuel economy. If you want an early delivery do not delay. Act today.

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THE FARMERS MAIL

AND BREEZE

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



Volume 43
Number 23

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Use Your Corn Land For Wheat This Fall

By
W. M. Jardine & L. E. Call



FARMERS throughout central and western Kansas have ground in corn which has been well prepared and well cultivated. This corn, owing to dry weather, will soon be harvested, either for silage or fodder. Such land will furnish the best possible seedbed for wheat next month. The preparation of the ground for corn and the cultivation of the corn crop has liberated plant food that has not been used by the corn plant, due to the lack of moisture. This plant food will be available for wheat this fall as soon as moisture falls.

The corn ground should be prepared for wheat by disking after the first good, soaking rain. The ground should be worked thoroughly thereafter as is necessary to keep down weeds and maintain a good soil mulch.

A seedbed prepared in this way may be better than plowed ground this season. Plowed ground, although plowed early in the summer, will not become well settled and firm in time for wheat seeding unless the rainfall in August and September is excessive.

Corn land already is firm and well settled and will furnish ideal seedbed conditions when rain comes. All ground, however, is dry. Where wheat is sown the crop must be produced on the rain that falls between this time and the next harvest. The subsoil does not contain a reserve supply of moisture as is often the case at this season. It is, therefore, important to exert special effort to conserve by good methods of cultivation as much as possible all rain that falls.

Almost invariably farmers protest that if they till their land as is usually prescribed in the summer fallow it will all blow away before planting time. We are attempting, therefore, and with complete success, to maintain a summer-tilled field so that the soil will not be shifted and blown away.

The disk harrow, so commonly used in cultivating the fallow, is a dangerous tool to use in western Kansas on summer fallow. It leaves the soil too fine ordinarily. The sugar beet cultivator and the John Deere alfalfa cultivator that runs on wheels are the best implements we have thus far found with which to till the fallow and to prevent the soil from blowing. Weeds can be effectively kept down with either of these implements and the top soil

maintained in a cloddy condition rather than a pulverized condition. The winds are not liable to shift and blow the soil when the surface is left in a cloddy condition.

Ground that is plowed thoroughly to a considerable depth in May after the most severe winds are over and then worked with either of the two implements above mentioned is left in good condition to absorb the rainfall and to retain it thereafter.

In handling the summer fallow or, in fact, in working any of the land in western Kansas which we have under our control, we always work it at right angles (or crosswise) to the direction of the prevailing wind and in long, narrow strips. Under this method we have been able to control the blowing and shifting of the soil.

Farmers operating where the shifting of soils gives trouble will find that they can hold the soil

vicinity of the 100th meridian we have a rainfall of approximately 22 or 23 inches annually.

Under this rainfall we believe the following rotation will make the farmers the most money. Summer fallow followed by winter wheat two years in succession, the ground for the second crop of winter wheat being listed or plowed as early as practical after the first crop of wheat has been removed, the second crop of wheat is to be followed by a sorghum crop. This gives three crops from the land in four years, while the first named rotation, the one we recommend for more severe conditions in regard to drought, brings two crops in three years.

The sorghums, either non-saccharine or saccharine and usually of the dwarf type, are the crops that will make the farmers of western Kansas and Oklahoma the most money. They should be grown for forage and for grain.



GETTING AN EARLY START FOR 1914

in place, either where summer tillage is practiced or otherwise, if they will work it with the implements described and in the manner stated.

We are finding also that the lister is a good implement with which to plow the ground where blowing gives trouble. Good results are being obtained under fall listing, winter listing or spring listing, the ground being gradually worked down with suitable implements as the season advances until at planting time a thoroughly firm and suitable seedbed for wheat is provided.

This is the rotation of crops we are advising western Kansas farmers to grow: Summer fallow, followed by winter wheat, then followed by dwarf kafir or dwarf milo, then fallow again. As we proceed eastward from the western boundary of Kansas the moisture gradually increases, so that in the

vicinity of the 100th meridian we have a rainfall of approximately 22 or 23 inches annually. Under this rainfall we believe the following rotation will make the farmers the most money. Summer fallow followed by winter wheat two years in succession, the ground for the second crop of winter wheat being listed or plowed as early as practical after the first crop of wheat has been removed, the second crop of wheat is to be followed by a sorghum crop. This gives three crops from the land in four years, while the first named rotation, the one we recommend for more severe conditions in regard to drought, brings two crops in three years.

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The state fire marshal is reminding the people of Kansas that fires are occurring daily from sparks catching in trash piles, from children playing with matches and setting fire to dry grass and vegetation, and from smokers carelessly dropping matches whose flame is not entirely extinguished. All of these fires could be avoided and their occurrence can in nearly every instance be charged to carelessness. Trash and rubbish should be burned only when some one is near with a supply of water to stop any spread of the flames.

Many barn fires are occurring from spontaneous combustion caused by storing new hay. Openings in each end of the hay loft will provide ventilation that may prevent a fire. If a barrel of water were kept near every barn, many of the fires could be put out. A number of fires have recently destroyed barns and the livestock in them because no water was near to check the fire at the start.

A fire now, when everything is exceedingly dry, would almost certainly prove the worst kind of a finish for the summer. Fireguards should be plowed along the railroad right of way.

Farmers and others who lived in the West in the early days will remember what little acts of carelessness caused prairie fires that swept over the country and did incalculable damage.

Be careful.

Danger From Fire

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



PASSING COMMENT

by T.A. McNeal

WHAT ABOUT THE RENTER? A reader of the Mail and Breeze writes concerning the plan suggested by Mr. Ferris, of Osage county, for a co-operative farming community. The plan he thinks is faulty, in that it provides no place for the renter.

At least this much can be said. The renter would be as well off under that plan as he is now in any event and I think better off. However, it seems to me that the renter could be taken care of. If he were a resident of the district and a reputable man he should be permitted to come in on the same terms as the land owner to the extent of his holdings.

Practically every renter has some personal property in the shape of horses and other livestock. He also has some personal property in the shape of farm implements. These could be turned in at their appraised value and he given stock in the corporation to the amount of his holdings.

He would, under the plan I suggested as a modification of the Ferris plan, have the same voting right as the largest stockholder in the corporation. If then he chose to work for the corporation he would not only get his share of any net earnings of the corporation in proportion to his stock, but if the corporation was wisely managed, his earnings as an employe would certainly be much surer and on the average much greater than his income as a farm renter. If he proved industrious and thrifty there would no doubt be opportunities from time to time to pick up shares of stock and thus increase his holdings.

The renter under the present system is up against a hard proposition. Very few renters are more than barely holding their own and a great many are not doing that. If it was found under the Ferris plan that there was a really worthy and industrious renter who had no personal property that he could turn in in exchange for stock, I would provide for him in this way: I would make provision for a certain amount of treasury stock which would be distributed to just such men. They would be permitted to give their notes to the corporation for the amount of this treasury stock issued to them. It should be provided that in no event should the interest on the note in any year, exceed the net earnings on the stock, but in case the earnings on the stock exceeded the interest on the note, which should be at a rate equaling the rate paid by the corporation on money borrowed by it either from the government or from private sources, the surplus earnings of stock should be applied to the payment of the principal of the note. Meantime the stock itself should be held by the corporation as security for the note until paid.

The only thing in my judgment that could make the failure of the Ferris plan incorporated, possible, would be the selfishness and foolishness of some of the stockholders. There are unfortunately quite a number of people who seem to know only enough to

stir up trouble. They have no constructive ability but are continual trouble makers. I would naturally expect that some of these would be found in the corporation. However, I bank on my conviction that there are in almost any community more people who want to do the right thing than there are of the other kind.

As it would be impossible under the non-voting stock features of the plan, for a few to get control, the majority would always have the power of management in their hands. If there were lazy or recalcitrant members in the corporation who were dissatisfied with the action of the majority, as would probably be the case, they should be given the alternative of yielding gracefully to the majority or of selling their stock to the corporation at its proportionate share of the entire value of the corporation holdings. In this way no one would be forced out of the corporation at a financial sacrifice to himself. On the other hand, if not willing to abide by the will of the majority he should get out. That matter should be provided for in the by-laws of the corporation.

However I do not apprehend any serious trouble. I have noticed that in this part of the United States people almost universally submit cheerfully to the will of the majority whenever they feel that they have been given a square deal. With every individual stockholder having equal voting privileges with every other stockholder the fair deal would be as nearly assured as possible and I think it would be found that the minority would cheerfully submit to the will of the majority.

THEY WILL STAY IF THEY CAN.

A very intelligent and cultured woman living in one of the western counties writes me concerning the situation out there. I take the liberty of making some quotations from her letter.

"We are eaten up by the grasshoppers," she says, "and what the hoppers didn't eat has dried up. I believe that a majority of our people are ready to quit wheat and settle down to the cow and the hen, but money must be had with which to buy feed for cows, or the farmers will have to sell. One man's herd of cows is averaging him \$2 per day but he has no feed and no money. This is typical of dozens of cases around our little town.

"Do you suppose 10 or 15 men could be found who have from \$500 to a thousand dollars that they could spare for a period of three years at a low rate of interest? We pay 10 per cent here. We have heard that the government is going to send out money at 2 per cent, but it isn't here yet and the need becomes more pressing every day. The railroads are offering to haul wheat free, but that isn't what we need. We need money and feed and need it quickly. * * * The country here is all right, but most of the farmers have made themselves poor farming for wheat. The bad years have taught them a lesson. Now if they could get on their feet once more and keep their stock they could make a go of it."

During the past 12 years the people of the United States have expended on an army and navy which they tell us are not prepared for war, if we have war, the enormous sum of almost 3 billions of dollars. If one-fourth of that vast sum had been expended on building a system of dams and reservoirs extending from western Texas to North Dakota which would have impounded the waste surface waters, there would not now be any letters such as this one written from that part of the country. It would be inhabited by a happy and prosperous people who instead of calling for outside help would be selling their surplus products to feed the world.

I know that what might have been done, but wasn't, doesn't help the present situation, but it makes me hot to think of how billions of money have been wasted that might have been used to such a good advantage. I do not know what can be done to relieve the present situation out there and would be glad to receive suggestions from practical business men.

HOLD THE CATTLE IF POSSIBLE.

There is no use trying to deceive ourselves about any perfectly plain situation. We might just as well face it frankly and make the best of it.

Here is the situation in Kansas this year. Generally speaking, the wheat crop was good. Of course there are exceptions to that rule, but it will hold for the state in general. The early hay crop was good and was saved in splendid condition. Where oats were sown the crop was good. Corn will come nearer being a general failure than ever before in this state, with the possible exception of 1901 when the average crop was only 6 1/2 bushels to the acre. I do not think the average will be better than that this year. That year however there was very little kafir corn. It may be that there will be considerable kafir this year.

In 1901 the farmers were confronted with a situation that was very similar to the situation this year. They were so short on feed that they became panic stricken and concluded that it would be impossible to get their cattle through the winter. As a result all sorts of cattle, old, young, fat and lean were thrown on the market and sold for what they would bring.

Of course the market broke and the farmers got a great deal less than their cattle were worth. The

next year stock cattle were high and the farmers had to pay exorbitant prices in order to stock up again. However, the farmers who held their cattle and managed to rough them through somehow, made money.

The same thing will be true again. If it is possible to get enough feed of any sort to carry your cattle through the winter, do it. Unless there is nothing to be learned from the lessons of the past you will make money by so doing. This is so evident that it would not seem worth while to speak of it at all if it were not for the fact that vast numbers of stock cattle are being thrown on the market right now.

In this connection I may say that I thought possibly I ought to write something about hanging to the willows and keeping a stiff upper lip and looking cheerful, but the other day I had an opportunity to go out to a gathering of farmers and farmers' wives and children, and concluded that it was not necessary to write any cheer-up editorials.

Considering the heat and the prospects, it seemed to me that they were a mighty cheerful and courageous lot. If they were feeling gloomy they were good actors. They managed to conceal their feelings remarkably well. I don't think I would be as cheerful under the same circumstances.

Instead of telling them to cheer up I want to congratulate them on their grit and cheerfulness. But I want to urge them to hang onto their cattle if they possibly can. That means to get almost anything in the way of roughness that will keep the cattle alive through the coming winter.

Cane or millet sown even as late as August has in times past made a good deal of feed. I believe that a field sown in turnips even now would make a crop. At any rate it is worth while to try to raise something and hold onto your stock.

A WAR WITH MEXICO.

I note a disposition now in some quarters to force President Wilson into a war with Mexico. I don't believe that he is a man that can be bulldozed but I remember how McKinley was forced into a war with Spain.

Subsequent events I think, clearly proved that the Spanish-American war might have been avoided and Cuba freed without the loss of any lives or money to this country. First and last, to say nothing of the lives lost, this nation would have been more than 2 billion dollars better off if that war had not occurred. And we would not now have the Philippines on our hands.

I am in hearty sympathy with the president's evident purpose not to recognize the government of Huerta, a cold-blooded assassin and traitor. I do not know whether Caranzas would be any better than Huerta if he gets possession of the government of Mexico, but he at least looks better to me.

To invade Mexico with our troops would mean a long drawn out, vexatious and tremendously expensive war. If it could be possible to get all the Mexican soldiers into one place it would be easy enough to clean them out, but that will be an impossibility. It probably would mean the eventual annexation of Mexico to this country which would in my judgment be nearly as bad as taking in the Philippines. We have done a lot of assimilating since this republic came into existence, but we have gone about as far in trying to assimilate races that have no adaptability, to become a self-governing people as I think it is healthy to go and farther. We have too many of that kind now.

AN EX-CONGRESSMAN'S OPINION.

Ex-Congressman Gillette, of Iowa, has written a letter to President Wilson concerning the proposed currency bill. After assuring the president that the country is behind him and has faith in him, which I think is true, Mr. Gillette continues:

Kindly pardon a word about the Glass Currency Bill or "Federal Reserve Act."

First, it provides that the United States shall issue the proposed currency as United States money. This is glorious! But the new money must be perfect, a full legal tender. Congress cannot afford to put out a lame, crippled dollar, that must be exchanged for a better dollar, like issuing plain postage stamps that must be swapped for gilded stamps, or no go. We want a dollar that can stand alone, that can pay any debt. It is just as easy to provide such a dollar as to issue a snide dollar.

Any money not a legal tender is an insult to the people, and will ultimately lead to the cornering of gold, and gold gambling, and require the constant sale of United States bonds to buy back the gold from the gamblers, and place all business at the mercy of billionaire bankers and speculators like the Morgans and Rockefellers. Mr. Glass proposes a dollar that cannot pay a grocery bill unless the grocer consents. Shame on such a dollar! We have had the legal tender greenback for half a century, which General Grant used to say was "the best money the world ever saw for during great panics in England we have good times here, because the greenbacks make us independent." Will "progressive" Democrats now force us back to the stage-coach, and to swanning dollars like our daddies?

Second, The Glass bill provides that the new money shall be lent to the national and state banks. Very well. The treasury has already furnished the national banks 737 millions of dollars which rests upon the credit of all the people, for one-half of 1 per cent interest or tax per annum, for the use of which they charge and receive about 50 millions a year. If they want more, let them have their share; but what about the rest of us? Shall we stand back with our hats off while they clean the platter? Are bankers more patriotic than farmers and other producers or merchants? Are they more ready to enlist in case of war? Do they lend their

The principal reason for high cost of living: Two many eaters; too few producers.—ARTHUR CAPPER

cheap money cheap, so as to aid industry? Do they earn special favors? Is this a democratic or a plutocratic bill? How lately we listened to Democratic orators shouting, "Equal rights for all," "No special privileges," etc. This proposed loan, if made, will mean to the people that they are "sold out again!"

Your own eloquent words to congress tell it all: "What shall it profit us to be quit of one kind of monopoly (tariff) if we are to remain in the grip of another and more effective monopoly?" (Money monopoly.)

Five hundred millions of new currency lie untouched like waste paper in the United States treasury, prepared at very great expense for the banks. They spurn it because of an interest charge. Shall we now pass this Glass bill, involving vast expense and huge salaries, and a new 500 million dollar loan, to please these haughty bankers who may spit upon it? Is it wise to fatten manufacturers with high tariff in hopes their employees may get a taste? Is it any wiser to throw 500 millions of dollars at the corporate bankers, in hopes the money may filter through their fingers to the people at 6 to 10 per cent interest? Is not cheap money a hundred times more necessary than cheap postage?

The government now borrows directly from the people in 10,000 Postal Savings banks. Would it paralyze the hand and stop the procession if it should lend directly to the people through these banks? If we can borrow, why can we not lend? If we can furnish the banks currency for one-half of 1 per cent per annum, can we not afford to lend to farmers and others for six times as much (3 per cent)?

Who will own this proposed issue of 500 millions? The handful of bankers or the American people? If the latter, let them have it! "Render unto Caesar the things that be Caesar's!" If this question were put to vote: Shall congress lend to the banks 500 millions of dollars more, for about 1 per cent interest, or lend it to the people through postal banks for 3 per cent interest, what would the answer be? What would the ballots say? Would not the whole world hear something drop? After 30 years of hesitation and dodging, a Republican congress gave us the parcel post, in spite of the express companies that fought it to the last. There is only one way to relieve the country and satisfy the people, who begin to know their rights. That is the simple, the honest way, the parcel post way. Let the banks alone! No patchwork for them, but provide for the lending of money directly to the people through postal banks upon first class security at 3 per cent. Then receive all deposits in these banks, regardless of amount, at 1 1/2 per cent interest. There will then never be a surplus or a shortage of money, never a panic; and the United States treasury will have ample revenue even if taxes are largely abolished. Then what? The most prosperous and happy people the world ever contained; a financial and industrial millennium. Such a law would be hailed as a new Declaration of Independence. Millions for the people, but not another mill for corporations. Lincoln freed the slaves of aristocracy. Wilson (God bless him!) will free the slaves of usury, giving us a government of the people and for the people. E. H. GILLETTE.

IN REGARD TO CHEAP MONEY.

Editor Mail and Breeze—The first thing to consider is why do farmers have to borrow so much money. If

he is wasteful he is not to be sympathized with, but if he is not producing the equivalent of what he consumes then he is likely not to prove a very good asset to back with a cheap loan. I do not believe you will contend for either of these faults in the average farmer. The farmers as a body produce almost all the food supply, turn it over to another body of society for less than enough to buy back enough to maintain him and enable him to reproduce an intelligent set of farmers.

This brings us to this conclusion—that we do not need to hard him back a part of his produce in a cheap loan and let this great injustice go on. What he needs is just plain justice. Give him an equitable price, or in other words, give him the equivalent of what value he produces, and he will climb out of the rut and that in a very short time. Hand him a part of the product that he has been robbed of, or some cheap money to buy it with and you can hold him in his present yoke for a few years. Admit that he is big enough to help himself as a class and let the lash of necessity that is carried around him spur him to solve his problem and he will soon take his place as one of the greatest factors for good government and a square deal for all the producers of this, our Great Nation.

Parkman, Okla.

ISAAC BOWMAN.

OF COURSE IT WOULD CHANGE THE ATMOSPHERE.

Commenting on an editorial in the Mail and Breeze of

a few weeks ago in which I made an estimate of the number of ponds and their size that would be formed in the single county of Gove if one-fourth of the water that fell in the exceedingly dry year of 1911, could be impounded, Ed H. McGinley, of Colby writes a letter of endorsement and adds:

Now suppose in every county 30 miles square we build 100 reservoirs over western Oklahoma, northern Texas, eastern Colorado, western Kansas, western Nebraska and all west of the Missouri river in the Dakotas, plant trees around these reservoirs and stock them with fish. Don't you think it will make a change in the atmosphere?

When the southwest wind blows across this expanse of water it will be moisture-laden instead of dry and hot, and anyone who has lived in western Kansas for 25 years knows that we could raise bountiful crops if it were not for the dry winds.

All this western country has a rise of 8 feet to the mile to the Rocky Mountains and if the water is impounded in Colorado it will soak down to the first strata of sand and will cause the main streams in western Kansas to run steadily. What is the sense of spending thousands of dollars in wells and pumping machinery when plenty of rain falls in this country every year to produce a good crop if it is only saved?

Some one says, "A gigantic undertaking." Now the fact is it is not half the undertaking that the Panama canal was and if the water is stored here where it is needed an overflow in the lower Mississippi will be unheard of. The idea is to take care of the infant and not wait until it becomes a giant. The millions that are spent for levies in the South can be spent here for dams.

I took this up with Bristow last fall and he is deeply interested. I hope Mr. Connelly will become interested also and we won't have to wait until

the fourth generation to accomplish this purpose.

There is no question as to the effect that a system of ponds of water would have on the climate. Every man who has lived in western Kansas knows what the effect would be.

In very dry years when what few rains there are out there are local, they almost invariably follow the water courses. Many times I have seen it rain along the Medicine river when there was no sign of moisture half a mile from the river on either side. I have seen the temperature of the wind materially reduced in blowing over a small pond of water. The evaporation during the very hot weather, especially when the hot winds are blowing, is something almost inconceivable.

Now if there was, as Mr. McGinley suggests, a system of reservoirs scattered over the arid country from Texas to Dakota, the atmosphere would become saturated with moisture long before the winds reached Kansas and would be precipitated in rain, which, when there is enough of it, beats any sort of artificial irrigation.

A pond here and there is not sufficient to affect the atmosphere but 10,000 ponds of an area of half a mile square, scattered over that country would simply revolutionize the climate and the country. What a beautiful, delightful and fruitful land it might become! Incidentally, if the ponds were stocked with fish, as Mr. McGinley suggests, it would make a large difference in the food supply.

When I think of what might be done and of all the weary years that have been wasted, of all the heartaches and discouragements that have come to the patient courageous settlers out in that country because the remedy has not been applied, it makes me burn with impatience.

Why do not all of the western congressmen and senators get busy and help the thing along? What is the use of wasting weeks in discussing the rate of duty on pyrogallie acid and potato starch, duties that whether high or low will not make a particle of difference to 999 out of every thousand people in this republic?

A CHEERFUL POET. A subscriber sends with his renewal the following verse which isn't half bad in my judgment, though I do not profess to be much of a judge of poetry:

An Apology and a Hope.

The goddess of the poets,
Came down to me, dear Tom,
To melt my soul with fervor,
And pump me full of song.
I fought with fierce resistance,
But it wasn't any use,
And now with willing fingers,
Her words I reproduce.
But should the spirit move you,
To publish this in whole
May God with great compassion,
Have mercy on your soul.

Contrasted Emotions.

The red bird and mocker, the robin and thrush
Were pouring out music from jungles of brush.
A thousand fair blossoms, on meadow and tree,
Made beauty and grace, that were pleasant to see.
That ideal day that we dream of was here,
And the God of our fathers seemed wondrously near.
I could not resist the desire to rejoice,
So I cried my lid open and lifted my voice.
Then something, from somewhere, came down like
a pall,
And sordid things crowded my song to the wall.
When I thought of the cash I must send without
fall,
I fell into staves like an old basswood pall.
My sweet song resembled a carload of junk,
And I make haste to send you this Big Silver Plunk.
—J. A. B.

Truthful James

"It makes me sort of weary," remarked Truthful, "when I hear people a blattin' and complainin' about the drouth and the heat. It is simply nothing to what we used to have every summer when I was located down in southwest Arizona.

"Now there was heat and drouth that was worth mentioning. Frequently there wouldn't a drop of rain fall for two years at a clip. I heard a man expressin' his doubt of the truth of that story about there bein' frogs 3 years old in that country who had never learned to swim. He said that in his judgment it was a doggoned lie. I want to say to him that it was not only the truth but I am the man who raised the frogs.

"When there finally did come a rain them frogs didn't know what to make of the water. Finally I took up a couple of 'em and threw 'em into a pool of rainwater and blamed if they didn't sink and would have drowned if I hadn't a pulled 'em out before it was everlastingly too late.

"The hottest summer the temperature run from 110 in the shade on the cool days to 180 in the shade when it really got down to business. There was a big feller by the name of Pete Hobbles come out there with his family to locate. Pete weighed when he hit that part of Arizona, 360 pounds net. When he had a chew of tobacco in his mouth he weighed a little more. Somebody had persuaded Pete that it would be a good thing to go out there and take a homestead, though what anybody wanted of a homestead in a country where it only sprinkled once or twice in the course of an ordinary lifetime, I couldn't see.

"But Pete and his wife was hopeful and located on a government quarter. Pete never had been on such blamed good terms with work, but his wife kep' a proddin' him to do some work on their homestead so

that Pete just had to make a pretense of toil. Well, I never saw a man who sweat like Pete. As soon as he would step out of his shanty into the sun the water would begin to run off him in streams.

"One day a ranchman happened to run across Pete's trail and stopped, a wonderin': 'Blamed if they haven't hed a shower here,' he said. Well, there hadn't been no rain. It was just the drippin' from Pete's frame that made the ground he walked over look as if there hed been a rain.

"Times was pretty middlin' close with Pete, and his wife hed to use all sorts of economy in order to keep the family supplied with something to eat. Lard was high and hard to git and Mrs. Hobbles had hard work to git enough for cookin' purposes. Finally a happy thought struck her.

"In the hot evenin's she would have Pete sit in a hot corner and then she would set a pan and catch the sweat. Pete would beat a Norman boss sweat-in' and frequently Mrs. Hobbles would catch as much as two quarts of perspiration at a sittin'. Then she boiled that sweat down and saved the lard, for she hed discovered that when Pete was perspirin' freely there was a heap of lard mixed with the water. Pete yielded about a pint of pure leaf lard per day, accordin' to Mrs. Hobbles's report to me. So she hed plenty for cookin' and bakin' purposes, but it was more or less hard on Pete.

"As Mrs. Hobbles saw the quality of the lard that Pete was yieldin' she seemed to git more or less avaricious and she would put up jobs on Pete to git him located in hot places where he would give down free. She discovered that she got enough lard in this way to use for cookin' and bakin' and she had quite a lot over to sell.

"But she overdid the thing. Pete commenced to dry up. He was runnin' out of lard. You could hear his joints crack as he walked. Then he commenced to fall off in weight. He run down from 360 pounds to 150. His skin hung on him like a wagon sheet on a rail fence.

"Mrs. Hobbles saw when it was too late what a mistake she hed made and tried to fatten Pete up again, but it was too late. She couldn't start the lard deposit. He was also sweat out, got so that he couldn't sweat a drop, but he kep' gettin' drier and drier till there was a case of spontaneous combustion and Pete was no more. Just a little pile of ashes marked the spot where he had been standin' a few minutes before.

"Mrs. Hobbles always regretted what she hed done. She told me that if she hadn't got ambitious and tried to turn Pete into a lard factory and worked him to the limit of his productive capacity, he might have gone on for years furnishin' enough lard every day for home consumption and at the same time acted in the capacity of a kind and indulgent father."

Women at War With the Powers of Darkness

In the recent elections in several Illinois cities on the question of wet or dry government, women voted for the first time under the new suffrage law. The telegraph reports they were more active and aggressive than the men, and that a large majority were for the suppression of the liquor traffic. I have never for a moment doubted that the influence of women at the polls would be for moral, social and industrial advancement. In every community where women are given the ballot it means so much less power to the vicious and the greedy. Give motherhood the ballot and we shall have more morality and less mud in politics. The world owes what it is today to the reflex influence of womanhood. Women are not yet shackled by long affiliation with political parties nor prejudiced by past political activities. They are naturally and logically hostile to immorality and injustice, and what is particularly fortunate, can be counted on unhesitatingly to align themselves with the forces that are pledged to overthrow the drink traffic.

I believe all the deplorable conditions in American political life today especially in municipal affairs, are due to the failure of well-meaning citizens to get in the firing line. Now we are going to have splendid help from the earnest woman with moral courage who is impelled by principle, who sees only her duty and advances in a direct line toward its performance. By their use of the ballot the women citizens of the future will raise the standard of living and reduce its cost; make our cities fit to live in and our streets safe for the young; give to little children their birthright of light, food and play; make war unnecessary; and dignify motherhood by protecting it from the slavery of the sweat-shop, and the influences which harm or minimize its importance, sanctity and happiness.

I am glad to find Kansas women are deeply interested in the war on the white slave traffic, putting a stop to the employment of children, the abolition of sweat-shop labor, the improvement of educational facilities, the betterment of conditions for working girls, the improvement of life and living in tenement houses, and dozens of other social and industrial problems of the present day. I rejoice, therefore, that women in Kansas now have the same political rights men have.

Arthur Capper

Have You Any Stock Water?

A Pond Rightly Built Would Provide It

BY A. G. KITTELL.



One of the Ogg ponds in course of construction. Notice the high embankments. This pond will be 10 or 12 feet deep.

While nearly every stockman in Johnson county has been hauling water and digging wells for weeks, F. R. Ogg has found the water question the least of his troubles. Properly made farm ponds constitute one of the hobbies of the Oggs who own several farms near Olathe, Kan. They have five of these ponds and will build more this fall. One of them has supplied water to 150 head of stock all summer and August 9 the water was still 5 feet deep in it.

There are ponds and ponds, but those on the Ogg place are different from all others. They were built with as much care and precision as if putting up a fine farm building. To the Oggs the water supply is of as much importance for stock as shelter and feed, and they are right about it.

There are two main points in which the Ogg ponds differ from those on the average stock farm. They are deep and are fenced hogtight, and in this lies the whole secret of their success. Depth not only increases the capacity of the pond but it lessens the loss from seepage and evaporation. Perhaps the average layman will say the loss by evaporation is not worth mentioning. Well, let's see. Government investigators carried on some evaporation tests at Dodge City, Kan., which showed that 54.6 inches of water were lost from a free water surface in one year. This is about twice as much as the average yearly rainfall out there.

How a Fence Helps Out.

By fencing the ponds all stock is kept out. This means that the banks are not tramped down and the pond filled up with mud as is the case when cattle and hogs have free access to the water. It also means that the water is kept free from contamination. Last but not least, such a pond affords an inviting place for the boys and hired help to take a plunge after the day's work. This pond is stocked with black bass from the state fish hatchery.

A gas pipe draws the water off into a steel tank placed just below the dam. A float in this tank regulates the flow of water automatically. The intake is placed about a foot above the bed of the pond and is covered with a strainer to prevent clogging. To keep trash from accumulating about it, an open barrel is set over the intake and this is filled with rock or broken bricks. The water

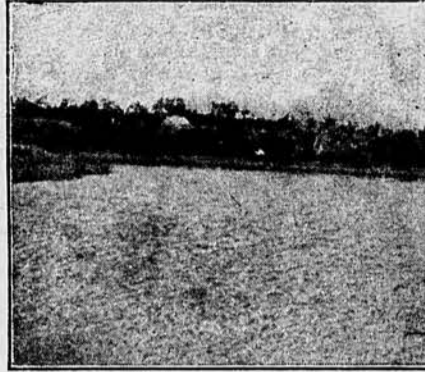
coming out into the tank is cold and clear, and looks good enough for a human being to drink.

The Oggs are extensive feeders of cattle and hogs and place a high value on pure water for their stock. In a new pond now being constructed, they will build a soft brick cistern into which the water will filter and from which the stock will get it as described before. This cistern will be built in the deepest part of the pond near the lower end. It will have a concrete bottom to keep out "crawdads" and the brick will be laid in cement. To increase further the capacity of the cistern, a string of porous tile, opening into the cistern, will be laid along the bottom of the pond. The upper end of the tile line will be closed.

Deep Draws Not Necessary.

These ponds are not located on deep draws as might be supposed. Just a watershed is all that is needed, the pond being built at the base of the slope. But here is the difference between these ponds and the ordinary kind: The Ogg ponds catch and hold all the water that comes down into them. The others, being shallow, and covering a large surface, are quickly filled and the remainder of the water is lost. Then, when the dry spell comes these ponds are soon dry as a bone, the greater part of the

quickly show beneficial results as a green manure crop. On run down lands it is excellent for this purpose. Also it is an excellent crop to seed in orchards to plow under where it is advisable to



The water in this pond was 5 feet deep on August 9 after furnishing water to a herd of 150 beef cattle through the summer.

plow under a leguminous green manure crop.

In spite of the prejudice against it, it is capable of being made into a valuable hay. Kansas, Iowa and Nebraska are growing considerable quantities purposely for feed.

Frequently to bring heavy clay or adobe lands into a good state of cultivation Sweet clover is excellent. In places where the land is too wet for alfalfa it can be grown as a crop and something obtained from the land. In



A field of wheat on the farm of Leonard Massigale, near Caldwell, Kan.

water having soaked away or evaporated.

The Oggs build their ponds in horseshoe form. The dam is not merely thrown across the lower end of the draw but the earth, scooped out, is piled high all the way around to the open end of the horseshoe. The teams working on the pond now under construction were entirely hidden from outside view when down in the bed of the excavation. Instead of the spillway over the main dam, an overflow is provided around the upper end of the embankment at one side. This does away with the danger of having the dam washed out by the overflow. No brush, barb wire, or reinforcement of any kind is used in the dam.

Sweet Clover as a Manure Crop

Mr. Editor—Many inquire in regard to Sweet clover as a crop. Where alfalfa does well Sweet clover is not to be considered. No other crop will more

the alfalfa field, however, it is a weed that should be fought, because the grower is trying to produce alfalfa and any other crop present is highly undesirable.

Alvin Keyser.

Colorado Station, Ft. Collins.

Treat Sore Shoulders at Once

Mr. Editor—Among the common causes of sore shoulders are improperly fitted collars, too large collars, loose harness, too wide collars at the top, and not cleaning the collars and the horses' shoulders after a day's work. Have the collars fit the horse snugly. Too loose collars are worse than tight ones. Keep the harness tight, clean the collar every night, and wash the shoulders of the horse with cold water. If possible treat the sore shoulder before it fills with serum, bathe it with a liniment that will not blister, and do not work the horse. If the serum has formed then open the cavity freely and treat with mild disinfectants until healing takes place and the skin has haired over. Often after pus has formed and the horse has not been put to work for some time, the pus becomes cheesy and finally dries into a hard bunch. Then when the horse works again the shoulder becomes sore. The only remedy is to have this hard, firm tissue removed and treated with disinfectants until healing is complete.

C. L. Barnes.

Colorado Agricultural College.

Cut Dry Corn When Ears Harden

Mr. Editor—The greatest per cent of food value is obtained by cutting corn as soon as the grain is fully matured, while the leaves and upper part of the stalks are still green. When the season is dry, the corn should be cut as soon as the stalks begin to fire at the bottom and the ears are beginning to harden. When cut as soon as maturity is reached and while the plant is still green, corn contains its highest percent-

age of protein. Forage cut too green contains a higher percentage of water and acid and is more likely to have a strong odor. Dry straw is sometimes mixed with such corn when put into the silo, but this is inadvisable, because the hollow stems retain large quantities of air, which increases fermentation.

When corn is allowed to mature beyond the proper stage for cutting and the leaves are partly dried, it may still be used for silage, if a few buckets of water are added after every 6 inches of material is spread in the silo.

C. W. Melick.

Lancaster county, Nebraska.

Feed Enough, Cochel Says

Even Without a Silo the Crop Can Be Saved

KANSAS has enough roughage—enough good feed—to last from now until the next grass. W. A. Cochel, a livestock man known from coast to coast for his common sense, practical and successful ways of handling cattle, says so, and he ought to know. He is caring for the state's livestock at Manhattan where conditions are no more favorable than in any other county, and he is hustling just as hard as any farmer should hustle in preparation for the fall and winter. He said, a few days ago, that if stock breeders and farmers generally would care for the corn now in the fields, even if it is fired, they will have plenty of feed. That is what he is doing. In the same connection this is what the speakers on the Rock Island "Silage Special" said on the trip over the state last week:

"Keep your stock. Put all your feed—corn, kafir, milo, and cane—in the silo and there will be plenty for the stock to eat this winter. Wait until the corn is pretty well fired; let it mature as much as possible before making silage of it. If you can't afford an above-ground type of silo dig a hole in the ground—a pit silo—and dig it right away. It will cost only a few dollars. The silo saves feed that usually is lost.

"There isn't any excuse for a man to sell his stock now. These fields of immature corn, even if they don't get more rain, will make good enough silage to take your stock through the winter.

"Feed straw with the silage. Cows at the Hays Experiment station wintered on only 20 pounds of silage, 1 pound of cottonseed meal, and all the straw they could eat each day, made gains of 30 pounds apiece last winter and reared calves besides. Don't sacrifice your stock. It isn't necessary."

"Of course if a man has no water for his stock the situation is bad. But if he can move his stock to other, better favored pastures, he would do better than to sell.

If you are prepared to build a silo but can't do it now, don't be discouraged. Put your corn in shock and put it in the silo when you are ready. Then pour water on it. It won't be so good of course, but it will be feed worth having.



Another fine wheat field near Caldwell. This is owned by Joseph Bailey. The land has been farmed for 35 years. This field gave 35 bushels of wheat to the acre in 1912. It yielded 26 bushels an acre this year.

Will Summer Chicks Pay?

A Test at the Capper Farm Gives Valuable, But Not Final Results

BY REESE V. HICKS

To determine whether it pays to raise chicks in June and July, two broods of chicks were treated differently. Brood No. 1 was raised in the brooder house having runs with larger chicks, many of them two weeks older than the brood under experiment. Brood No.



2 was placed in the edge of an orchard with a field of alfalfa on one side and an orchard, freshly plowed and sowed to cowpeas, on the other. Hens were used with both broods and they were fed and watered in practically the same manner and given as nearly as possible the same care and treatment, except as to runs and shade.

The brood first running with older chicks, did not mature so fast and a number of the chicks developed scrawny, ill-formed and poorly feathered, and were much smaller than brood No. 2. Although both broods had slatted coops where only the small chicks could eat together, and thus the small broods were protected when they wanted to eat and drink, from the larger chicks, yet the chicks in brood No. 1 showed as a whole, a rough appearance as if they were ill fed and ill treated, while they had absolutely free access to an abundance of feed. Brood No. 2 was continually getting infested with lice and required more care and treatment than brood No. 1, which kept practically free from lice. The reason for this was that the larger chicks would carry lice into the brooder house and contaminate the small ones in the yards, houses and runway.

Brood No. 2, which had an abundance of free range to itself, away from other chicks, plenty of shade and, of course, plenty of water and feed, developed nicely and grew into a uniform flock of fine chicks with a very low death rate and practically no culls or chicks of low vitality.

This little test, while not final points out clearly three things, about raising summer chicks: First, small chicks do

much better if kept away from larger ones, growing faster, being more free from lice, having less loss and quicker development into better, healthier and sturdier chicks.

Second, free range with an abundance of shade, is an important item for

growing chicks at any time, but an imperative necessity in the summer time.

Third, where chicks are raised away from other chicks and an abundance of free range with plenty of shade can be given, then they can be grown as cheap, probably cheaper, than chicks can be grown earlier in the spring.

We were setting hens on the Capper farm August 1 and expected to start incubators very soon. We also have some baby chicks, a week old. This will give us the opportunity of dividing them into flocks and testing the advisability of fall hatching and raising chicks, in the Middle West. The last summer, especially, July, has been very dry and warm, making it rather difficult weather to grow chicks. The fall climate of Kansas is usually cool and dry, and nice for growing chicks. It is difficult, however, to get fall chicks to make as large a weight, as those hatched earlier in the year. However, to any who have been unable to hatch and raise as many young chicks as they wished, we would advise them, if they have plenty of shady range, where they can keep the young chicks away from the older fowls, to test out a few fall youngsters. The fall hatched pullets do not usually lay, until they are 9 to 10 months old, but when they do start laying, they lay well the fall and winter when they are a year old. Many claim that the fall hatched pullets are the most profitable for winter layers a year hence. This is one of the claims that we expect to test practically with the pullets hatched this fall, by keeping a record of their laying in the winter of 1914 and 1915.

THE "BLUES"

A Lady Finds Help from Simple Food.

Civilization brings blessings and also responsibilities.

The more highly organized we become the more need there is for regularity and natural simplicity in the food we eat.

The laws of body nutrition should be carefully obeyed, and the finer more highly developed brain and nervous system not hampered by a complicated, unwholesome dietary.

A lady of high nervous tension says: "For fifteen years I was a sufferer from dyspepsia. I confess that an improperly regulated diet was the chief cause of my suffering. Finally, nothing that I ate seemed to agree with my stomach, and life, at times, did not seem worth living.

"I began to take a pessimistic view of everything and see life through dark blue glass, so to speak. My head became affected with a heavy creeping sensation and I feared paralysis.

"Palpitation of the heart caused me to fear that I might die suddenly. Two years ago, hearing Grape-Nuts so highly spoken of by some estimable friends of mine, I determined to try it.

"The change in my condition was little less than miraculous. In a short time the palpitation, bad feeling in head and body began to disappear and the improvement has continued until at the present time I find myself in better health than I have ever enjoyed.

"My weight has increased 20 lbs. in the last year and life looks bright and sunny to me as it did when I was a child."

Name given by the Postum Co., Battle Creek, Mich.

"There's a Reason," and it is explained in the little book, "The Road to Wellville," in pkgs.

Ever read the above letter? A new one appears from time to time. They are genuine, true, and full of human interest.

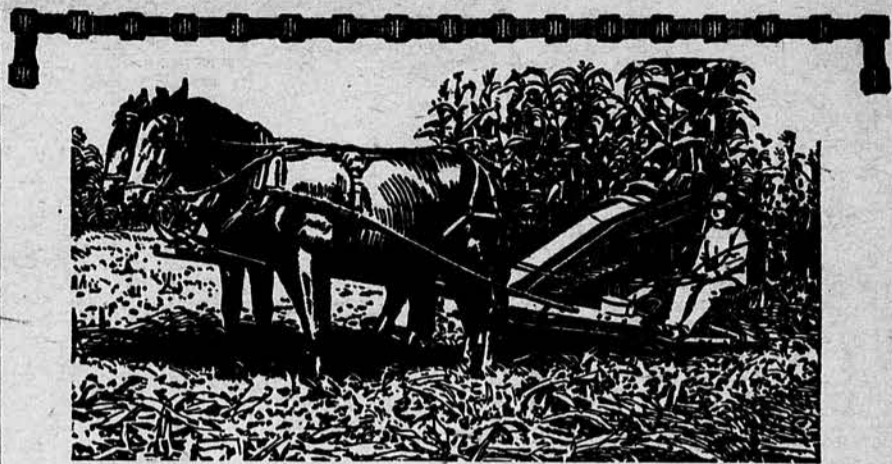
The last half of June and the first half of July, was a dry and extremely hot period with temperature going as high as 106 in the poultry houses, even with screen doors open at the ends and a ventilation at the rear of the roosts. Nearly all of the pens have decreased their egg yield this month, the two heaviest laying pens, the yarded pen of White Leghorns and yarded pen of Reds, outlaying their competitors on free range. The third pen in the month's laying and the first pen in the contest is the Barred Rock pen No. 2. Two hens in this pen are laying an average of 20 eggs a month for the five months, bands 2 and 43. The record of this pen really is being held up by the heavy laying of these two hens. The pens stand in the main, as they stood last month, only one of the Orpington pens passing the other.

One Black Langshan hen has made an average for the last five months of 17 eggs a month. A Rhode Island Red hen has laid an average of 16 eggs a month. The best White Leghorn average is one hen that has laid 16 eggs. The best Wyandotte and Orpington averages are 14 eggs each a month. Here are the tabulated results for the five months:

Variety.	Previous Fifth		Total.
	Months	Month	
Barred Rock Pen 2.....	337	76	413
Reds, free range.....	306	69	375
Wh. Leghorn Pen 1.....	284	78	362
Reds Pen 6.....	278	78	356
Barred Rocks, no alfalfa.....	282	58	340
Bl. Langshan, sprouted oats.....	272	50	322
Wh. Langshan, free range.....	235	67	303
Bl. Langshan, Pen 7.....	235	56	291
Buff Orpingtons, corn fed.....	220	46	266
Buff Orpingtons, Pen 1.....	228	23	251
Minorcas, Pen 3.....	196	53	249
Wh. Wyandottes, Pen 5.....	190	44	224
Wh. Wyandottes, house confined.....	170	19	189
Minorcas, no mash.....	136	41	177

Mrs. Frances Severin, Burlington, Col., sends \$2 and writes: "I like the Mail and Breeze and think it is the best of all farm papers."

Crossing breeds is a step backward in the chicken business. Don't do it.



Let the Horses Do the Work

In all the operations necessary to the raising of corn, from the preparation of the seed bed in the spring to the planting and cultivating, you use power-drawn machines. Why stop a reasonable method and go back fifty years or more at harvest time? Why take the horses off the work just when the hardest job is to be done? This year buy a corn binder and let the horses do all of the work incident to the corn crop.

There is not alone the saving in work to be considered; there are other important savings resulting from the purchase and use of an I H C corn binder. Properly used it saves the one-third of your corn crop which the old method wasted. Each corn binder saves the wages of four or five extra men or saves about four-fifths of the time spent in harvesting the corn by hand. No matter how you look at it, you will make money by investing in an

I H C Corn Binder

Corn is hard to cut, but the practical design and strong construction of I H C corn binders make them last and do good work for years in all kinds of corn, either short or tall, standing, down or tangled. When cut at the right time and cured in the shock the whole corn crop, ears, stalks and leaves are ready to be turned to profit by being run through an

I H C Husker and Shredder

Deering, McCormick or Plano

In years when the hay crop is short and prices high, a plentiful supply of nutritious stover enables you to bale your hay and sell it in the best market without detriment to your stock. Shredded fodder is eagerly eaten by the stock and is especially good winter feed, because of the large amount of heat-producing materials it contains. It is better to use corn stover in the barn than to waste it in the field; especially, since it comes to you as clear profit and at practically no expense.

I H C local dealers will assist you in deciding on the right machines for you to buy and they will give you cheerful and willing service, both before you buy and afterward, as long as your machine lasts. Get catalogues and full particulars from them or, write the

International Harvester Company of America

Chicago

U S A



ALFALFA SEED FOR FALL SOWING. From locality where it grows best and most abundantly. Our seed won the gold medal at the St. Louis World's Fair in competition with the world. All our seed is native grown, plump and vigorous. Write us today for prices and free samples. Address McBETH & DALLAS, Garden City, Kansas.

My Famous \$1.00 Offer



My special "ONE DOLLAR OFFER" has pleased so many farmers that I have decided to keep it up for another month and thus let everybody take advantage of it. Here it is:

You send me one dollar and I will ship you, ALL FREIGHT PAID BY MYSELF, this, my new 1914 Chatham Grain Grader and Cleaner. Use the machine a month. If satisfied at end of 30 days, pay me my low cash price or give me your note, without interest, payable January 1, 1914. If not satisfied, return the machine at my freight expense and I'll return your dollar.

As a matter of fact, \$1.00 won't half pay me for the freight. I only want the dollar to hold as evidence of good faith.

Chatham Grain Grader and Cleaner

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

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

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Yes, sir. Get a Galloway Pumping Engine Outfit. Put it to a 90-day test on your farm. Use it to run the churn, cream separator, washing machine, pump or any small machine on your place. Then if you don't say it's the best little engine you ever saw in your life, you can ship it back. I'll refund your money and pay the freight both ways. No strings to this offer—in there! Then on top of this wonderful liberal offer I'll save you \$25 to \$50 on the outfit. Can you beat it! Never. Write me today.

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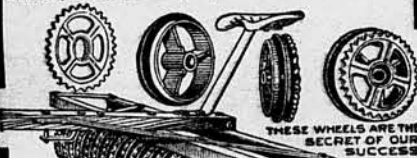
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A perfect seed bed is as important as to sow or plant. The Western Pulverizer, Packer and Mulcher makes a perfect seed bed and leaves a loose mulch on top to retain the moisture in one operation. It will double profits on crops. Made in 8 sizes, 1 and 3 sections. Sold direct to you on one year's trial. Prices, \$22.00 and up.



We want every farmer and landowner to have our illustrated circular. It describes the machine, its principle and advantages over all others. It gives testimonials from many farmers proving what it will do on wheat, alfalfa and other crops. It contains valuable information on how to prepare the soil for better results. Send for this circular today, whether you want to buy or not.

WESTERN LAND ROLLER CO.
Box 412, Hastings, Neb.

Hydraulic Dump

The "Camp" is positively the only Hydraulic Grain Dump on the market. Our free catalog describing fully this product is yours for the asking. Just make a comparison and study the principle and you will see that the "Camp" meets with every requirement.

Write Today

CAMP BROS CO
WASHINGTON ILLINOIS

Melons—Oklahoma to St. Paul

The Small Check to the Grower

BY ALFRED DOCKING

Anent B. F. Yoakum's melon story in the Mail and Breeze. One fact like that knocks all the fine-spun theories into a cocked hat. Put it in terms of \$1. The Oklahoma grower received \$52.50 for a carload, the railroad \$75, and the price received by distributor would be \$675 or more. Of the consumer's dollar which he paid for a dollar's worth of melons at retail, the grower received less than 8 cents, the railroad 11 cents and the 81 cents was the cost of distribution. What is to become of the grower, his wife and family? They have all worked in the melon patch, probably. Eight cents of the dollar will not pay him. Yet, the consumer is paying plenty when he pays the dollar. Delivery, and a few incidental losses, may reduce the proportion a little, but the cutting of the other "melon"—8 cents, 11 cents, 81 cents is absurdly unjust.

And the Remedy.

The patient is sick! That always makes me tired. The remedy, the way out, is what we want to know. Over in Europe, where men cling to tradition and are less prone to take initiative, they are solving these problems. Organization is the only way. But how? Over there those melon growers would organize—just a simple every-day society, and the secretary would be looking out for a possible market. Here the agricultural colleges are coming to the rescue with information from their bureaus of marketing. There the co-operative store would take the melons from the railroad and retail them to its customers and others over its counters. Clerks and managers in this chain of co-operative production, distribution, and consumption, are better paid than in private concerns and get a percentage of the shared profits as a rule.

London thought it would control the Danish butter and bacon a few years ago, and a few men organized to do that and fix prices. Danish farmers' organizations sent their own men to sell direct to the retail trade of London, and today they are masters of the situation, and no more pools with agreed prices about Danish products are attempted. Hood River, Oregon, apples are handled by methods of co-operation, and also Southern-California citrus fruits, and other American enterprises, and handled with eminent success. Why not you in your business? Then organize!

How To Organize.

But, how shall we organize? says someone. We lack in this country the Agricultural Organization society of England, or the Scotch A. O. S. of Scotland, or the I. A. O. S. of Ireland, it is true. They are societies for just that work of encouraging and aiding in plans of organization. But, we have now in the field three or more great orders of farmers with one or the other of which a local society could be affiliated. This idea of federating co-operative organizations has been slow of adoption with us, but it has to come if we reach the greatest success. A federation, or a "syndicat" as the French would call it, does not necessarily mean that all the societies in it are doing just the same line of co-operation. In a complete system, which is a growth and not a manufactured propaganda scheme, the retailer in St. Paul, as before mentioned, and the grower in Oklahoma, in their separate organized groups, would be part of the great whole and would be posted upon the markets and the demand for and supply of certain products.

The local organization in a dozen countries is such a simple affair, just a getting together of a few, often very informal in its rules, and the selecting of an officer or so whose duty it shall be to look up the marketing of the society's products, or the whereabouts of its needs in the way of bulked purchases. The strength of the co-operative movement lies right with the people who form it and them only, and the local society is the unit, whether it be like the one at Leeds, England, 50,000 members, or the Stratford (London) association, 10,000 or a little one at Forth, Scotland, nine for many years. Mark this one secret of power and success for that little "nine". That so-

ciety is part of a great whole which numbers 2 3/4 millions of members and whose agents of the wholesale work operate in the society's name in every quarter of the world. And, this grew out of "t' pore owd weyvers" Rochdale store at Rochdale, England, started in 1844. Denmark and many other lands state that they owe their marvelous co-operative success to the "Rochdale plan".

People in our own country urge "Rochdale co-operation". What do they mean? It is the only successful co-operative plan in the world's history. Methinks I can again hear, as I heard in the autumn of 1912, the clank, clank of the metal shoes of the factory workers as they pass along the cobblestoned streets of the Yorkshire towns, Halifax, Rochdale, and others, on their way to and from work. Their condition is not ideal yet, but what was it before they became co-operators, before every little street as well as big had the signs up over co-operative stores, co-operative bakeries, co-operative meat markets? And yet the American farmers, untrammelled by their well nigh insurmountable obstacles, educated in our schools where liberty of thought is taught, mistrust themselves and their neighbors so that they fail to organize, doubt the result and consider it visionary where the old hand loom weavers, the little farm dwellers of Denmark, and the Italian peasants have achieved success.

It Beats All.

There is no more thrilling page of the world's history than that which gives the facts about the progress of co-operation, and the economic changes it has brought about. The noted wars of the world are not comparable. It is second to only one theme of history and that the influence of Christ and Christianity upon the world. Do not shake your head, reader, because I do not place woman's progress upward first, that is part of the uplift through Christ and Christianity, and also related in the future to co-operative progress, for the home receives in that what belongs to it and woman has that which enables her to possess the comforts that are her due. Said one of the Rochdale weavers at one of their first meetings, "Well, that beat's all. Why, the more we spend the more we'll get! Our Mollie will like that."

Tobacco Dip Permitted Now

The secretary of agriculture has amended the order relating to dips for scabies in cattle. The amendment permits the use of the tobacco dip prepared from tobacco and suitable tobacco products, provided it contains not less than seven-hundredths of 1 per cent of nicotine. Heretofore, the requirements have been that the tobacco dip should contain not less than five-hundredths of 1 per cent of nicotine and 2 per cent flowers of sulphur. The tobacco dip of the new strength need not contain the sulphur. The regulation remains unchanged regarding the lime-and-sulphur dip, which may be used as directed in the order.

All Five For \$1.25

The Mail and Breeze is enabled to make the biggest clubbing offer it has ever had, and for only \$1.25 will send all five of the following papers for one year each:

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.

THE HOUSEHOLD, a large family magazine, containing the choicest stories and departments of particular interest to lady readers.

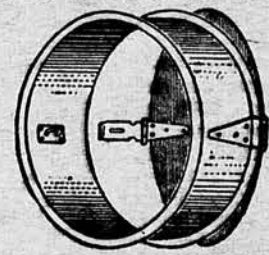
THE KANSAS WEEKLY CAPITAL, the oldest and best weekly newspaper in the entire Southwest.

POULTRY CULTURE, a "chicken magazine" full of practical, pertinent, timely and terse talk about the scientific money-making side of poultry raising. Edited by Reese V. Hicks, considered America's greatest poultry expert.

THE MISSOURI VALLEY FARMER, a big monthly farm and agricultural paper which should be read by every farmer. No liquor advertising is printed in any of these papers.

Remember, all five of these big papers will be sent to one address or to five different addresses if so desired for only \$1.25. If you are a subscriber to any one of these papers your time will be advanced another year. You will be supplied with the best class of reading matter for a full year. Don't fail to mention the names of these papers in sending in your order. Send your order to the **MAIL AND BREEZE, TOPEKA, KANSAS.**

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Concrete Silo
HERE'S THE DOOR FOR YOU**



**The COLUMBIAN
ALL-STEEL DOOR**

will save you Money, Time, Labor, and Trouble. It can be placed right in the form and concrete built around it without delay in erection. Absolutely air-tight. Will last a lifetime. Write for prices and circular.

Columbian Steel Tank Co.
"Tanks for the World"
1605-17 W. 12th St., Kansas City, Mo.

**Out-Door
Generators**

AT ONE-THIRD THE COST OF INSIDE PLANTS. Greatest invention of the age in Acetylene Lighting for the Home. All danger absolutely eliminated. Not only safe but Simple and Automatic. Heavier material than others, non-corroding, rust and frost-proof—buried in the ground out of the way. Cheapest on earth. CLEAR, BRIGHT, SOFT WHITE LIGHT—EASY ON THE EYES. Write at once for catalogue and full information. Experienced agents wanted.

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WILL BALE 20 TONS OR MORE A DAY AT COST OF ONLY 40c A TON. Make big money baling for your neighbors after yours is done.

The Cyclone is powerful, durable, repair-proof—made almost entirely of finest steel. Unbreakable steel baling chamber, adjustable tension, makes smooth, clean, tight bales, 75 to 125 lbs. as desired. Three strokes each circle. Self-feed. Works at stack, barn or windrow.

Here's the biggest money maker you can buy. Low price. Free trial and absolute guarantee on every press. Write today—full information free.

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Self-Feed Hay Press Bales with least labor

SELF FEEDER AND SELF-TYER

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

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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. 8 galvanized wire mesh. Special hinges. Patented self-locking latch. Steel center brace. Unbreakable. Raised at either end. Sold on 30 days' trial at our special direct-to-you factory price.

W. K. VOORHEES, Mgr. Standard Mfg. Co.,
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22-Cal. HUNTING RIFLE GIVEN

1913 Take-down Pattern, with all latest improvements, walnut stock and grip. Shoots accurately 21 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.

H. A. SLOAN, 52 Epitome Building, SPENCER, INDIANA

Trend of Type in Breeding

Commonsense the Ideal of the Present

BY GEORGE W. BERRY
Fieldman Farmers Mail and Breeze

THE intelligent farmer and the owner of high-priced land will supply the beef and pork products of the future. The requirements of the producer call for the kind of animals that respond to farm conditions, farm feeds



George W. Berry.

and farm treatment and which meet alike the demands of the butcher and the consumer.

Noticeable changes in type have been wrought during the last 30 years in most all improved breeds of farm animals. In the meat-bearing animals it has been marked and universal, and similar changes in the conformation of horses, particularly in the draft breeds, have been made in late years.

The phrase "size with quality" is more expressive when transposed in the qualified form, quality with size sufficient.

The Modern Beef Type.

The big, heavy steer 4 to 8 years that weighed 1,800 pounds to a ton, the slow-maturing kind, ungainly and coarse of bone, has been displaced by the smooth, compact, short of leg and early-maturing sort, that tops the market at 2 years or under, returns a profit to the feeder and pleases the consumer with choice cuts of fine, juicy steaks and roasts.

Shorthorns with broad and prominent hip bones, gaudily bedecked and mounted high above a wide zone of skylight, seen in the show ring in a past decade, would be regarded as unfit company for Shorthorns of the modern type. The Shorthorn of today is neat in bone, fine in texture of flesh, compact and thick, low to the ground, nifty and refined, yet massive and possessing abundant scale.

Modern Herefords.

The improvement of the Hereford during recent years is one of the most remarkable achievements in the history of livestock breeding. The modern Hereford type, universally recognized as the standard both in show and feed yard, is massive, deep, near to the ground, smooth, refined in head and horn, of splendid uniformity in color and markings. Its superb character entitles the White Face to a conspicuous place in the estimation of the public.

The Angus type has been gradually modified within the memory of the younger generation of men, and the demand for quality with sufficient size has been met by the breeders of Dod-dies, who set the pace for a high percentage of choice beef. The breed commands the admiration and meets the approval of those who look for easy-fleshing, early-maturing, baby beef, of fine quality and nice texture. The Angus breeders have solved the important question of profitable beef production on high-price land.

Galloways Have Kept Pace.

The improvement in the Galloway type should be gratifying to the owners of vast herds of this rugged and vigorous beef breed, widely diffused

throughout the corn belt and range country. To the hardy and vigorous qualities of the shaggy blacks have been added smoothness and evenness of flesh covering, refinement and early-maturing qualities.

Swine, perhaps, show a more radical and general trend toward a common type than cattle. Improvement has not been confined to any one breed. Marked changes have been made in the last 10 or 15 years in the character of different breeds, especially the Duroc-Jersey, the Chester Whites or O. I. C., the Poland China and the Berkshire.

The breeders of Duroc-Jerseys have met with remarkable success in eliminating the coarseness and unevenness noticeable a few years back. In smoothness of lines, in the underpinning, in the thickness of hams and particularly in uniformity in type great improvement has been made. The breeders of the Red hog are working in greater unanimity than ever before.

The improvement of the old Chester White hog in the last 20 years is the most noticeable that has come within the observations of the writer. There is more refinement, finish and compactness than was characteristic of the older and coarser white hog, and it must be conceded by those who have seen recent shows that some of the best all round swine seen at the fairs have been white hogs.

Perhaps greater differences in type are discernable in Poland Chinas than in other breeds. Widely divergent opinions separated the followers of this great American breed until two or three distinct types developed and threatened separation into two distinct breeds. Contests in the show ring were favorable to the smaller type against the larger type, and vice versa, according to which faction controlled the judging, or according to locality. Happily, common sense seems to have come to the rescue. The true Poland China hog, that was idealized in the corn belt and accepted by thousands of farmers because of its size and great feeding qualities in the days of our fathers, is now being exploited as the "big type." The "big smooth hog" is fast growing in popularity, is indorsed by farmers and is being accepted by a large majority of the breeders without regard to past differences.

The Berkshire has not wanted for competent and able breeders. This old breed has kept pace with progress and the breed has been distributed over more territory than other breeds of swine. The Berkshire has been improved in size, in arch and strength of back, and in feet and pastern. Retaining the style, beauty, symmetry and extreme finish that are characteristic in general uniformity and character, the Berkshire may safely challenge comparison with leading breeds in points of excellence and usefulness.

Perfection Not Reached.

Yet perfection in breeding domestic animals probably will not be reached soon. Every existing breed embodies the work of all individual breeders through whose hands it has passed since its origin. A breed is liable to the faults that come by inheritance, by environment or by improper feeding and handling. The creative breeders established breed character and fixed family type to suit their ideas, and the master breeder held fast and long to fixed standards. The well established family or animals suffers more from new and inexperienced handlers.

Improvements were first made through selection, the principle in the law of breeding, directly opposed to the principle of heredity. The problems of retaining individual excellence and perpetuating type arise continually. Improved breeds have the inherent tendency to revert to the original or scrub state, and when aided by wrong selection, improper mating and poor feeding deteriorate rapidly. Defects in animal form and weakness in constitutional vigor follow indifferent breeding and careless feeding, with greater ease, than the perpetuation of points of excellence.

From time to time for the last 50 years farmers have met with the neces-

sity of seeking greater size in their breeding hogs. Inferior size, small bone, lack of substance, weakened constitutional vigor and reduced prolificacy are among the difficulties of the hog raiser. These troubles that originate through improper breeding and are augmented by poor feeding and bad management, often are intensified by in-and-in breeding and patterning after fashionable pedigrees regardless of individual merit. Nearly all the breeds at some time in periods of popularity and apparent prosperity have suffered almost irreparable injury from attaching too much importance to fashionable pedigrees and the whims and notions of misled followers of the sale ring. Examples could be cited of the exploitation of fashionable families of pedigreed cattle and swine, followed by extreme high prices, the popularization of certain lines of blood without regard to individual merit, and to consequent failure and ruin.

Some False Teachings.

The folly of in-and-in breeding has too often been encouraged by false teachers. In-and-in breeding, as applied to the mating of sires and dams that are closely related, should not be confused, by the new breeder, with line breeding. Line breeding is the mating of sires and dams more remotely related in blood, for the purpose of controlling and perpetuating type. It may seem curious but nearly every one of the creative breeders of cattle and swine builded his herd by selecting and mating choice individuals without regard to blood lines, with the view simply of producing good animals, and thereby unconsciously molded the type and established family character which his successors and followers through succeeding generations have not destroyed. It is safe to say none of the master breeders resorted to m-and-in breeding until he had accomplished his greatest, most useful work.

Type the Weather Signal.

The wise breeder will keep his eye on the weather signal, the indicator of success in the breeding business, pointing forever at the figure of common sense, the trend of type, toward which all breeds gravitate, the kind required by farmers. This is the sort that produces results under farm conditions, returns a net profit for care and feed and meets the demands of producers and consumers. The future of the breeding business depends upon the demand of farmers for purebred sire and blood to replenish and improve farm stock. The farmer's trade is the foundation of improved livestock breeding. We boast of living in a progressive age. Breeding improved stock is a progressive enterprise. No breed, stagnant through the lethargy of the breeder, can hope to keep step in the forward march of up-to-date farming and stock raising.

Taxes High in England

It is just possible that American farmers might learn a few valuable lessons from the farmers of Europe. Some of the more interesting features were referred to, a few days ago, by J. S. Adams, cashier of a bank in Dunlap, Kan. The Council Grove Guard tells the story.

"If the corn belt farmers would use the same care and energy that is used in England in tilling their soil and managing their livestock," Mr. Adams said, "they would grow wealthy. There is no waste there. Taxes are fearfully high, the expenses of living so far as meat, flour, and staple products, used on the table are concerned, are great, and yet, through their rigid economy, English and Scotch people live well. The common and middle classes, of course, know of no such luxuries as our common and middle classes enjoy and have all the time.

"Class distinction is the one distasteful feature of life there. Everybody is classed according to wealth, and not according to moral worth, or character. The lines are drawn, and they are never crossed. Woman suffrage is the one topic that attracts wide interest. When they get suffrage there will be something doing in England. There are more women everywhere than men; in some localities the ratio is 3 to 1."

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

Healthy Stock

is assured to the wise farmer and stock raiser who guards against all parasitic and skin diseases by occasional dippings and sprays. You should always use Dr. Hess Dip and Disinfectant for two important reasons—its effectiveness and its uniform strength. Its cheapness permits of its free general use everywhere.

DR. HESS DIP and Disinfectant

is a guaranteed preventive. It contains elements harmless to animal life, but deadly to parasitic and germ life. Little trouble to use it. For sheep, or when contagious diseases are suspected, a dipping tank is best. One gallon of dip makes 100 gallons of solution.

Write for Dip Booklet.

DR. HESS & CLARK,
Ashland, Ohio.

SELDOM SEE

a big knee like this, but your horse may have a bunch or bruise on his Ankle, Hock, Stifle, Knee or Throat.

ABSORBINE

TRADE MARK REG. U.S. PAT. OFF.

will clean it off without laying the horse up. No blister, no hair gone. Concentrated—only a few drops required at an application. \$2 per bottle delivered. Describe your case for special instructions and Book # K free. ABSORBINE, JR., antiseptic ointment for man and horse. Reduces Painful Swellings, Enlarged Glands, Gout, Wens, Bruises, Varicose Veins, Varicocelae, Old Sores, Allays Pain. Price \$1 and \$2 a bottle at druggists or delivered. Manufactured only by W. F. YOUNG, P. O. Box 209 Temple St., Springfield, Mass.

Money in Land

The man who gets the money in land is the man who gets there first. We have complete information on thousands of acres of irrigated and non-irrigated land along the Union Pacific System Lines. This information will be given to you free. It will pay you to investigate. Write today.

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Colonization and Industrial Agent,
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OMAHA, NEB.

Our Farmers' Cattle Knife

Free Knife

This Farmers' Cattle Knife

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

MAIL AND BREEZE
Topeka, Kansas

Advertising Is a Guaranty.

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

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

JOHN DEERE

THE SAGLESS ELEVATOR

Your First Chance to Get a Sagless Steel Elevator

John Deere—The Sagless Elevator, is the first portable elevator to have turnbuckles on the truss rods so that you can keep the elevator from sagging.

You know how the power required increases when an elevator once starts to sag. Likewise, you know what a strain sagging throws on the whole elevator; especially the bearings in the head and boot sections.

The John Deere, for the sagless feature alone—even if it didn't have all those other things of advantage—is worth your careful consideration.

The Sagless Feature

Four turnbuckles on the truss rods; together with extra strong section connections make the John Deere a really sagless elevator. Sections are triple-lapped, connected with fourteen bolts, banded with a heavy iron band and reinforced at the upper edge on the inside. That is one big advantage in having a John Deere—The Sagless Elevator.

Screen Section

John Deere—The Sagless Elevator, separates and takes the shelled corn out when elevating ear corn. A screen, in the second section (that can be closed up when elevating shelled corn or small grain) does the work. Shelled corn that gets into the crib with ear corn fills up the air spaces and very often causes the corn to heat or mold.



John Deere—The Sagless Elevator Ready for Work

"How to Build Corn Cribs" with Blue Print Plans

Besides containing complete descriptions of the John Deere—The Sagless Elevators, this book has ten blue print plans covering the construction of corn cribs and granaries, showing the style of elevator used with each crib. It also contains cost estimates and furnishes a source of valuable information whereby anyone can arrive at the comparative cost of the various styles of cribs and granaries. You can get it free if you will ask for book No. A 12

John Deere Plow Co., Moline, Illinois

What Else You Get

ALL STEEL—There is nothing about a John Deere—The Sagless Elevator to rot, dry out, or warp. It is made entirely of steel.

ROLLER BEARINGS on the head and boot shaft reduce the power required. They eliminate friction, thereby lengthening the life of the bearings.

HORSE OR ENGINE POWER. John Deere—The Sagless Elevator is furnished either with or without horse or engine power. A variable speed jack or belt attachment is furnished when desired to operate with engine.

MANY OTHER desirable features on John Deere Elevators are fully illustrated and discussed in the John Deere—The Sagless Elevator book. (This book also illustrates and describes the John Deere Cypress Wood Elevator and the John Deere Tubular Elevator for small grain—the only one of its kind.)

FREE BOOK

A book with which any farmer can save the price of a portable elevator outfit by the way he builds his corn cribs. Read about it below.

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 the Farmers Mail and Breeze or other good publications for best letters received. Address Editor the Farmers Mail and Breeze, Topeka, Kan.

We are starting in the first week in the past but we notice that many August as we write this and no rain of them are not in use this year. has fallen since about July 1. We have about given up the corn. It looks as if it would be about as complete a failure as in 1901.

It is our idea that now is about as poor a time to buy corn as there will be within the next six months. While corn has failed over most of Kansas and a great part of Nebraska, it is good in most localities east of us. Of course, corn will not be cheap at any time but, on the other hand, it is not going to such an elevation as some suppose.

As we said at first, hogs are showing signs of a disgusting appetite. That cholera is a disease which goes with plenty of corn will be proved this year. We do not expect to hear many reports of hog disease for the next year, aside from those inseparable from an empty stomach.

We have been on the jump for the last week putting away the crop of prairie hay. For the first time we had the whole thing baled; the hay was short and we did not like to tackle the job of haying it loose. By baling from the field fast work can be done, and during the last few days we kept two teams busy drawing bales in from the field. It is a good way to handle hay until it comes time to get the bales up toward the top of the barn.

Next week will see the last of the prairie haying done in this locality. It is probable that no place in the West will ship more prairie hay in the next year than what will go in from Gridley. This does not mean that we have a big crop; on the contrary, the average upland here will make only from 1,000 to 1,500 pounds an acre, but there are so many acres in this section that the amount in the aggregate will be large.

From 70 acres we got 45½ tons which is not much of a yield. Yet, without doubt, it will return a much greater net profit than did the good crop of last year. We did not sell any hay last year but most of our neighbors did. The last man to let go of his hay this spring sold 100 tons for which he got \$6.50 a ton. This hay he had to haul 8 miles besides paying rent for the land on which it grew for the baling, cutting and raking. Under those conditions the actual cost of putting a ton of hay on the track is \$8 and it cannot be done for a cent less. If there is any money made in this section in hay this year it will be only a partial return for what was lost last year.

Many large hay fields are contracted out to hay men who do all the work connected with handling the hay from the time it is cut until it is put on the cars. The cost of handling hay in this way varies with the amount it will make to the acre and the distance from the railroad station. Where hay is close to a station the cost of putting it on the cars is less, of course, but as the rent of hay land increases as the distance to the railroad decreases there is not much difference in the cost at the end.

In former times all hay help was hired by the day but so many things arise to prevent a man from getting in full time at haying that the price of help soon went to a ton or an hour basis. For mowing with a 5-foot cut machine 40 cents an hour is paid; if the cut is 6 feet an additional 5 cents an hour is added. This is not enough difference. A man cannot haul around that extra foot cut for 5 cents an hour. It is our experience that the last foot on the end of the bar pulls harder than the foot nearer the machine. Many 8-foot cut mowers have been sold here

Many here who have bought the larger sizes in mowing machines have found that as they got old they made almost too much draft for a team. In many such cases a foot or more was cut off the end of the bar, making what was a 6-foot cut into a 5-foot machine. We have never thought such a machine would balance up just right but that may be just a fool notion of ours for we have never tried it. Have any of our readers tried this plan? If so we would like to know how it worked. We think there are a good many mowing machines in this country that would lose a foot or more off the end of the cutter bar if the horses had anything to say about it.

On the horse power balers the help is paid by the ton. The gasoline balers pay in the same way but a much smaller amount by the ton. In the end the ton-cost by either kind of power does not vary greatly for if this ton-cost is less many more tons are baled every day so the help come out about the same so far as wages is concerned. While there is lots more help around the gasoline baler, it is needed for when things are going right they have to work mighty hard. The man who piles 35 tons of bales in a day is apt to know that he has been working when night comes.

Well, it seems that we have written about nothing but hay this week but we have worked in the hay from start to finish, have smelt hay, tasted hay and thought hay for the full week and so can write of but little else. In addition to this our table is piled high with letters which must be answered, all inquiring what prairie hay can be bought for in this locality. If those who wrote and received a delayed answer see this they will know our excuse. When a man is working with a good smart crew of hay balers he will have no time to write letters.

In answer to many who wish to buy hay we will say that there will be a good half crop to be sold from this section. What the price will be, we cannot say. The price is going up every day and still the market holds firm. Under such conditions many do not care to sell but still there has been considerable hay shipped out during the last three weeks. But haying is about over and the hay is now stored in barns to be held for higher prices. That which has been sold was mostly hay for which no storage could be found. As we said last week, we are willing to give the address of hay dealers here to Mail and Breeze folks who have to buy hay but we cannot quote prices, for prices are changing every day.

A Humboldt, Kan., reader asks us to tell in this column the probable seed crop of English bluegrass and also the price in this locality. Answering the last question first will say that, so far as we know, no price has as yet been established in this vicinity. We have some for sale and have been trying to get a price quoted on it but so far the man we have always sold to says, "No price has been sent to us yet." It ought to be a pretty fair price this year for the crop is small. In this locality we do not think it will average more than 4 bushels an acre and to make it pay expenses it will have to bring a pretty good price. The bulk of this seed is grown in Franklin county, near Wellsville, but the price paid last year was so small that we understand many acres in that section have been plowed up. When 10 cents or more a pound is paid for this seed it is a paying crop, but last year many of our neighbors sold for \$1 a bushel of 22 pounds. It would be better to sit in the house than to grow English bluegrass seed for that price.

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Use Gamble 3-Horse Equalizers on your manure spreaders and spread more manure in a day. Haul bigger loads—make fewer trips—save time and strength of horses. Gamble 3-Horse Equalizers even the pull to a fraction of a pound—give each horse exactly same share of pull. Made for Manure Spreaders, Disc Harrows, and Grain Harvesting Machines with right-hand cut, and Grain Drills, Seeders and Mowers that pull from top of the tongue—also for farm and dump wagons equipped with bound tongues.

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FARM POWER

CONDUCTED FOR FARMERS MAIL AND BREEZE BY E. B. CHALK.

Questions answered about gasoline engines, automobiles, and engine troubles. Give full information about trouble symptoms, kind, type, and make of engines. An answer by mail if self-addressed stamped envelope is enclosed.

The High Price of Motor Fuel.

With the newspapers telling daily of the cost of fuel for internal combustion engines and the increase in the substitutes for gasoline it would seem that we will soon have an over production, for nearly every technical paper printed comes out with a new kind of fuel discovered or compounded. The prices on the new fuels vary from a few cents less than the present price of gasoline to a production cost of 1 or 2 cents a gallon. Even if the reports are true and a substitute for gasoline can be manufactured for one-half the price of gasoline the student of human nature will not become enthusiastic over the prospect, for the manufacturer will charge all that the traffic will bear, and until the supply is greater than the demand fuel will be the same old price.

The Cost of Power.

With fuel at the present price the gas engine produces the cheapest form of power as any well designed engine will cost but little more than 5 cents the horsepower hour, making the one-horse power engine cost only 50 cents a day of 10 hours. In view of the fact that the engine is an expense only while it is generating power it will cost the owner only one-third as much as animal power.

Reduce the Price of Fuel.

Fuel that is wasted makes the fuel that is used cost more; and there are many leaks between the gasoline can and the machine to which the power is to be applied. Any leak that is stopped reduces the price of fuel.

Some of the Leaks.

Gasoline stored in tin cans above the ground, and gasoline that stands in the hot sun, will lose much by evaporation. A can of gas allowed to stand in the hot sun will evaporate rapidly. On a still day the vapor can be seen rising from the can like heat waves from a stove. As the fuel that evaporates first is the best and strongest part of the fuel the part that is left is increased in cost and also produces less power.

Where the gas tank on the engine leaks it may not leak fast enough to cause the liquid to form in drops on account of the evaporation and yet the fuel may be escaping. A gasoline tank that becomes moist with gasoline from a leak should be taken out and mended as a lot of fuel will escape in a day.

A Leaky Gas Tank Not the Only Leak.

Another leak that is not noticed because it seldom leaves a wet spot is the evaporation from the carburetor where the gasoline is fed by the gravity system. All tanks that are fed to the carburetor by the gravity system should have a cut off so that the gas may be shut off from the carburetor when the engine is standing idle. The gasoline always keeps the spray nozzle wet and the air will carry the vapor away. This leak is more often found on a motor car engine or engines of that type. The float valve may leak a little, and this prevents another loss of fuel if the cut off is used.

Another advantage of the cut off besides saving fuel will be pretty good insurance against fire, should the gas in the carburetor happen to be ignited from a backfire. I have saved two motor cars from ruin by the use of the gasoline cut off, by cutting off the supply of fuel and racing the engine until the fuel was all used from the carburetor float chamber and the fire stopped for want of fuel.

Leaky Valves and Leaky Rings.

To get the full benefit of the fuel the valves must be tight or part of the charge will escape into the exhaust passage. Careful adjustment of the valves so that they will seat and open properly will lower the fuel cost. If

the rod that opens the exhaust is too long the valve will not seat properly and the gas will escape before it is burned. On the other hand, if the exhaust valve does not open wide enough all of the gas that was burned in the previous charge will not escape and will impoverish the fresh mixture. Leaky rings will cause the engine to lose a large part of its mixture and double the price of the fuel.

The Fool and His Money.

The spectacular driver, in other words the fool, also pays a higher price for his fuel. Retarding the spark and opening the throttle and muffler cut-out will make a noise and attract attention of fools of the same caliber and good drivers alike. The good driver will notice that the fellow is advertising the fact that he is a fool and is wasting gaso-

line besides making a nuisance of himself. The good driver will carry his spark as far in advance of the engine as the engine will run without pounding and regulate the speed with the throttle. Don't stand on the accelerator in starting or changing speeds to make a quick get away. This is hard on the tires and the gas tank. Leaving the throttle wide open and going at high speed until you are ready to stop and then using the brake has the same effect as pouring out that much fuel and besides it strains the car.

Some Sensible Hints.

Don't race your engine in changing gears or let the gears clash. Carry the spark in as advanced position as the motor will allow without pounding. Run as slow on high speed as you can without the engine laboring. While in

traffic start off gradually and work up to high speed gradually and don't show that you can spin the wheels if you wish. Close the throttle and coast up to the place where you wish to stop and then stop with little or no braking. Don't scrape the curb with the wheels when you come to it. Don't see if you can take a corner at high speed skidding half of the turn. In short try to get as many miles as possible out of every gallon of fuel.

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

T. J. Beem, Wabash, Neb., sends \$1 and writes: "The Mail and Breeze is an excellent paper, and its value is more than you ask."



Buy YOUR 1914 Imperial Now!

We wish to announce that we have assumed direct charge of the Kansas City territory. You can order your 1914 Imperial today. Every car for 1914 is electrically started and lighted. Comfort and beauty have kept pace with advanced and tested mechanical improvements. Get in touch with us at once.

Motor car buying is a cold, hard business proposition. You are out to buy the best car for the price you want to pay. Our prices range from \$1500 to \$2500. These cars are honest cars, honestly built and selling at honest prices. We'll prove that the price you pay is right in the automobile. We give—you take—dollar for dollar. It's this policy that built us a big business in this territory.

We want you to know about Imperial "34," selling at \$1650, and our new powerful Six at \$2000. These two cars prove absolutely that you can buy a good automobile without going above \$2000.

Well Known Auto Expert Now in Charge

We wish to state that Mr. Cleremont Rider, a live, energetic automobile man, with acknowledged judgment and experience, hereafter will be supervisor of sales for Kansas City and territory. This distributing point will be under direct factory supervision.

This follows the announcement of the withdrawal of Bradley, Alderson & Company from the automobile business in Kansas City. This change, however, will in no way affect the sale of Imperials in this territory. Patrons will find Mr. Rider and practical mechanics ready to render excellent service at all times. Write for further particulars today.

The change at Kansas City does not affect the relations of the Imperial Automobile Co. with the firm of Bradley, Merriam & Smith at Council Bluffs, Iowa.

We have some valuable territory for live, aggressive agents on a direct factory contract basis. Write or wire us today.

Imperial "32"	:	\$1,500	Imperial "44"	:	\$2,000
Imperial "34"	:	\$1,650	Imperial "54"	:	\$2,500

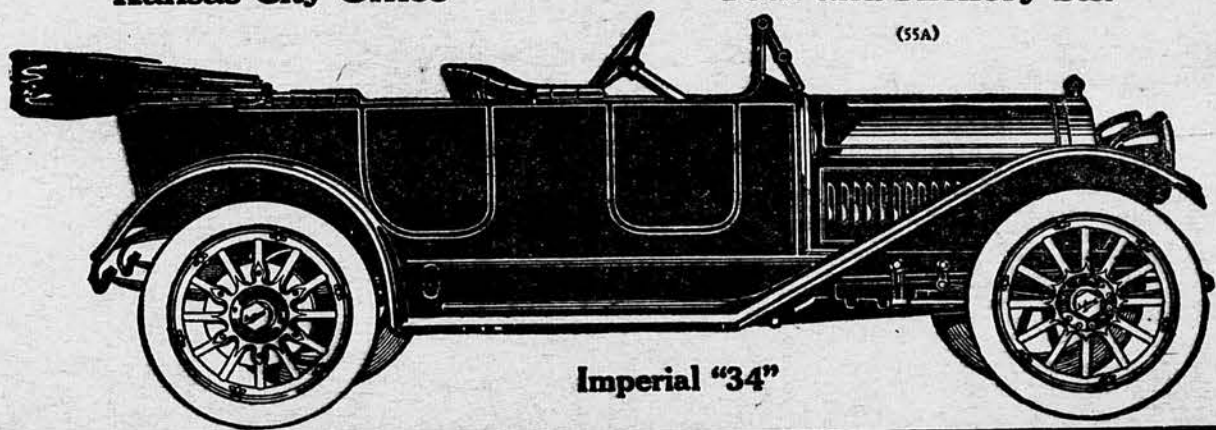
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Imperial "34"

Reliable Poultry Breeders

FARMERS MAIL AND BREEZE POULTRY RATE

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

DUCKS.

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

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

FOR SALE—Indian Runner ducks. Fawn and White, yearling breeders to make room for young stock. Drakes \$1.00, ducks \$1.50. Pure white drakes \$1.50. W. W. Stover, Fredonia, Kan.

ORPINGTONS.

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

LEGHORNS.

S. C. B. LEGHORN hens \$8 dozen. A. H. Cooley, Arena, Colo.

PLYMOUTH ROCKS.

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

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

WYANDOTTES.

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

SEVERAL VARIETIES.

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

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

FREE

This Famous Sewing Awl



You can sew old or new harness, saddles, canvas, tents, rugs, carpets, quilts, shoes, grain bags and many other things. You can use any kind of thread in the Myers Awl, and it makes a lock stitch same as a sewing machine. It is very simple; a woman can use it as well as a man. It is one of the most practical devices ever invented. They are put up with two needles; one is straight and one curved, with a small screw driver and wrench combined. Also a reel of waxed thread with each awl ready for use. The cut does not show full size. With needles 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.

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Poultry Keeping

CONDUCTED FOR THE FARMERS MAIL AND BREEZE BY REESE V. HICKS.

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

The very first thing to do on noticing signs of illness in a bird, is to isolate it.

The best nest for laying hens is close to the floor, darkened, and easily movable.

Low perches will induce young stock to roost in the poultry house early in life.

Broken charcoal is a fine conditioner for birds of all ages at all times of year.

Cleaning dropping boards is a chore that cannot be done too often these hot days.

Frequent dumping and burning of nesting material will thin out vermin

salt dissolved in hot water. If to be put on with a spray pump, thin to the consistency of cream. With a pump one can spray the inside of the poultry house in a few minutes. For inside use add small amounts of carbolic acid and stock dip. Two or three sprayings of whitewash through the summer will keep down vermin and will pay well for the expense involved.

John F. Carothers.
R. 3, Clarence, Mo.

Pheasant Rearing for Profit

BY C. W. NEWMAN.

[Written for the Farmers Mail and Breeze.]

I can make more money raising pheasants than I can with chickens. Nor are they very difficult to raise as they can be allowed to roost out of doors on the coldest nights. In fact they should not be housed at all at night if a windbreak is provided for them. My birds are all very tame and will eat out of my hand. I keep them in pens 20 feet long, 8 feet wide, and 4 feet high. In a pen of this size I keep 20 old birds.

In summer I give the pheasants all the green food they want and they care for but little grain in addition. From February to August I feed no grain except oats. Aside from the green food, \$10 will pay for all the feed 20 birds will consume in a year's time.

Pheasants start laying about the last of March and continue to about the



A pen of Mr. Newman's Ringneck pheasants. On the other side of the wire is a Golden pheasant.

wonderfully. Smoke out the nest boxes over the fire thus made.

For head lice, sweet oil rubbed in is not so harsh as kerosene but just as effective.

A large per cent of summer troubles with chickens is caused by feeding too much fat-making food like corn and kafir. Wheat and oats are better.

This is the time of year humpfoot is prevalent. When "ripe" lance the abscess, clean, and wash the wound thoroughly with a solution of 1 part carbolic acid to 5 parts water.

Humane Cure For Broodiness.

[Prize Letter.]

Mr. Editor—Various methods of abuse are practiced upon the motherly hen in an effort to break her of a perfectly natural desire to sit. This is entirely unnecessary. I have a movable pen made of woven wire into which I put the broody hen. I move the pen to fresh grass frequently and provide plenty of fresh drinking water. I feed a mash made of shorts and milk, giving the hen all she will clean up in 5 minutes. This mash is mixed quite stiff and I feed it three times a day. This treatment not only causes the hens to forget the hatching notion but it starts them to laying at once. I usually turn them out the evening of the third day and very few need a second treatment. Sometimes they will begin laying on the third day. Mrs. E. O. Worden.
R. 2, Bronson, Kan.

Try Whitewashing For Vermin.

[Prize Letter.]

Mr. Editor—There is more virtue in whitewash for the poultry house than most persons will admit. We apply it with a spray pump as that is more satisfactory than the use of a brush. Here is a formula for whitewash that will not crack or peel off. Into a tight barrel put 1/2 bushel of fresh lime and slake by pouring hot water over it. Stir briskly until slaked and add 2 pounds sulphate of zinc and 2 pounds of



Baby Pheasants Make Cunning Little Pets.

It requires 24 days for pheasant eggs to hatch. The mature Ringnecks sell at from \$5 to \$7.50 a pair. Considering the small cost of raising them one can readily see that there is more profit in pheasants than in chickens.

Sabetha, Kan.

During the many years I have taken the Mail and Breeze, I have received lots of helpful hints.—S. W. Rice, Gardner, Kan.

"Ohio" 1913 Model The Improved Logical Silo Filler

"Ohio" improvements for 1913 are radical—eclipse all previous efforts. Don't close a deal for any Cutter and take chances with unknown makes until you see what the "Ohio" offers. 59 years' experience—absolutely dependable quality. Famous Patented Direct Drive is secret of "Ohio" superiority—the only machine that is driven, cuts and elevates direct from main shaft. Simple, compact—low-speed fan—non-explosive—non-clogging on any cut. Cuts clean on all crops—knives can't spring. One Lever Controls All Entire feed reverses by good friction at finger pressure—no strain—not a gear tooth changes mesh. All gears perfectly housed. Famous "Bull-Dog" grip self-feed. Enormous half-inch cut tonnage, 50 to 250 tons a day—5 to 15 h. p. year durability. Used by Experiment Stations everywhere. Guaranteed. Many big new features this year. Write for free "Ohio" catalog today. A postal will do. "Modern Silage Methods" a 250-page book mailed for 10c coin or stamps. THE SILVER MFG. CO. Salem, Ohio

You Can Get An INDIANA SILO QUICK

We have all our Silo stock under cover, and its thoroughly seasoned ready to make your Silos. Write, telephone or wire us, and we will make delivery quick. Let us send you our Silo Book Free. INDIANA SILO COMPANY Distributors, Paper Eastgate Center. The largest makers of Silos in the world. Address nearest factory: 579 Union Bldg., Anderson, Ind. 579 Indiana Bldg., Des Moines, Ia. 579 Silo Bldg., Kansas City, Mo.

RE-INFORCED CONCRETE TANK

Build It Yourself In a Day A re-inforced concrete tank built with Lock-Form will last forever. Lock-Form is proper re-inforcement and form in one. On an off-day you can build the perfect tank—no cracks, no rust—less cost than any other tank made. Free booklet tells how you can build re-inforced concrete TANKS, SILOS and GRAIN BINS. The Edwards Metal Structures Company. 1201 West 28th St. Kansas City, Mo.

THE STORM LAKE SILO

Has many special features. Best form of HINGE DOORS, air-tight and quick detachable, easy to operate. Best form of HOOP CONNECTION, all hoops can be tightened from doors, no separate ladder needed. Best and most complete anchoring system. These special features with the best quality of Washington Fir material we can buy makes our silos the most complete, convenient, durable and up-to-date silo to buy. Write for free literature, describing our silos and ensilage cutters. See our exhibit at Iowa State Fair. STORM LAKE TUB & TANK FACTORY STORM LAKE, IOWA

Kalamazoo SILOS

"make good" because they're made good. And they've been getting better every year for 15 years. If you want to be treated right, order a Kalamazoo now. We prepay freight. Get our catalog; it tells the whole story. Address Dept. 33. KALAMAZOO TANK & SILO CO. Kalamazoo, Mich. Kansas C'y, Mo. Minneapolis, Minn. No. Ft. Worth, Tex.

UNIT STEEL SILO DOOR FRAME FOR BRICK, HOLLOW TILE, CEMENT AND CONCRETE

SILOS Gives masonry silos every advantage of stave silos. Rigid door frame, continuous ladder, bevel refrigerator doors, each door a unit. Write for folder. UNIT STEEL SILO DOOR FRAME CO., 2933 N. SECOND ST., DES MOINES, IA.

\$10.00 Sweep Feed Grinder | \$14.00 Galvanized Steel Wind Mill. We manufacture all sizes and styles. It will pay you to investigate. Write for catalog and price list. CURRIE WIND MILL CO., Topeka, Kansas.

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.

Turning the separator too slowly will lose more cream than turning it too fast.

Straining all water used in the churn or in washing butter, through cheese cloth, will mean fewer specks in the butter.

Udder troubles in a fresh cow may be cured sometimes by letting the calf run with the cow a few days.

Feed will be high next winter but more important than the cost of feed will be the amount of profit realized from this high priced feed.

Contrary to a more or less general belief the cow that has gone dry is not proof against neglect or abuse.

The best dairy expert in the country will lose out when guessing against a Babcock tester.

Unless she stops of her own accord, a good time to dry off a cow is just as she begins making an udder for the next freshening.

Solid concrete cannot be improved upon as a foundation for the cream separator.

The successful dairy farmer is after the maximum yield of milk from every acre as well as from the cow.

Investigation has shown that a cow's mother's sire exerts almost as much influence upon the milk giving qualities of that cow as does her own mother.

Silage From Russian Thistles.

Can Russian thistles be used to make silage?—J. F. S., Lane county, Kansas.

While there is not a great deal of nutriment in Russian thistles, yet they make a fairly satisfactory, succulent food when fed with a good ration of grain and some dry forage. If you are short of forage for filling your silo, I advise the use of Russian thistles.

A. S. Neale.

Kansas Agricultural College.

Treat Calf Scours at Once.

[Prize Letter.]

Mr. Editor—Many of our farmers believe it is no use to treat calves when they get the scours and they let them weaken and often die. When a calf shows signs of scours I take it off green pasture, then boil 1/2-gallon of whole milk and cool it to 95 degrees. I mix 2 or 3 tablespoonsful of flour in enough water to dissolve it, then pour this into the milk and feed to the calf. I have never lost a calf since using this treatment. With three feeds of this mixture I have checked the scours in a calf that was passing blood.

A. C. Whealy.

R. 7, Wellington, Kan.

Large Cows Most Profitable.

A series of tests completed at the Wisconsin Experiment station have proved that large dairy cows return a greater profit for every unit of feed consumed than have the smaller animals. Cows weighing 900 pounds or less returned products worth \$54.20 more in a year's time than the cost of feed eaten. Cows in the test that weighed between 900 and 1,000 pounds each had a credit of \$61.36 left after paying for their feed. In the 1,000 to 1,100-pound class the cows made an average profit of \$66.28 each. Those weighing 1,100 to 1,200 pounds showed \$72.21 profit to the cow, but the animals in the 1,200 to 1,300-pound class dropped back to \$72.01 each. Cows in the class from 1,300 to 1,400 pounds, gave a net return of \$79.64 each, while those weighing upwards of 1,400 pounds showed a profit of \$88.01 each for their year's work.

In commenting on the results of this test Prof. Warren said: "The large animals of any breed are much more economical of labor and barn room, and usually give as much or more milk for the amount of food eaten." And then there are the fine, large calves produced.

The Cost of Making Butter.

Reports made by 17 co-operative creameries in Wisconsin, Michigan, and Minnesota, show that the average cost of making butter in these creameries in 1912, was 2.07 cents a pound. Data gathered in 1911 from all creameries in a Minnesota county showed that the average cost in this case was 2.11 cents a pound. These figures throw some light on the question of fair prices for butter fat. As is well known 1 pound of butter fat will make more than 1 pound of butter. To be exact, 85 pounds of butter fat will make 100 pounds of butter or 1 pound of butter fat will make about 1.17 pounds of butter. Butter fat is selling now at 23 and 24 cents a pound. It will take but very little work with a pencil to show that the creameries are far from being in business for their health alone.

Milking by Electricity.

[Prize Letter.]

Mr. Editor—We have a two-horse power electric motor to operate our mechanical milker and cream separator. We milk 20 cows, using three milkers, with one person to look after them. It takes 50 minutes to milk the 20 cows.

We start the separator promptly and all the milk is separated as fast as it comes from the milkers. By doing this we utilize the power for both machines. We have a larger motor than we need as two-horse power is sufficient to run five milkers and one separator. However, we intend to increase our herd and equipment.

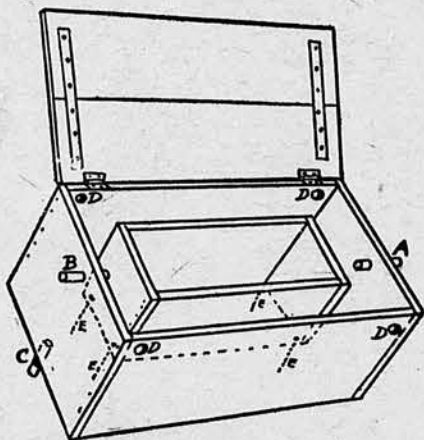
We buy our power from the city electric light company. It costs us about \$4 a month for power to operate the milkers and separator which makes it much cheaper than hand milking and skimming. In using power for a separator it should be operated so as to acquire speed slowly. A solid base preferably of cement, is necessary. Another necessity is good lubricating oil and a clean machine.

Minneapolis, Kan. H. F. Meiller.

A Refrigerator Without Ice.

[Prize Letter.]

Mr. Editor—This drawing shows a homemade water refrigerator that almost anyone can put together at small expense. Milk, cream, butter or other eatables may be placed directly in the inside box without danger of getting water into them as is the case with the ordinary milk tank. The outside box is made of 2-inch lumber and is 4 feet long, 2 feet wide, and 12 inches high.



No Danger of Flooding the Cream.

The inside box is also made of 2-inch stuff and is 3 feet long, 1 foot wide and 10 inches high. However, the dimensions may be made to suit needs.

In the drawing A is the outlet for the water, B the inlet, C the drain plug, and D represents auger holes for ventilation. In order to allow the water to circulate under the inside box the latter was placed on four ordinary sewing thread spools and the two boxes bolted firmly together through the floors. Four 1/4-inch bolts were used for this purpose as shown at E. The cover is made of two 12-inch boards. The water from the well passes through this cooler on its way to the stock tank.

Liberal, Kan. W. W. Hoover.

[A cover for the inside box would help to keep the temperature down.—Ed.]

DE LAVAL CREAM SEPARATORS

SAVE MUCH TIME AND LABOR IN SUMMER

Which means a great deal to the farmer, let alone the great increase in quantity and improvement in quality of product

The De Laval Separator Co.
New York Chicago San Francisco

Champion Silos For Big Profits

That's what farmers make who own Champion silos because the silo is perfect in construction. It's ahead of others in improvements and is sold at factory prices on our special proposition. **Valuable Information Free.** Get it before you buy. Find out what other farmers are doing. Get proof that Champion silos are bigger value for the money than any other.

WESTERN SILO CO.
155 11th St. Des Moines, Ia.

BEATRICE Cream Separator

Easy to Run, Hard to Wear Out

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

BINDER

ATTACHMENT with corn harvester cuts and throws in piles on harvester or in windrow. Man and horse cut and shock equal with a corn binder. Sold in every state. Price only \$20.00 with fodder binder. J. D. Borne, Haswell, Colo., writes, "Your corn harvester is all you claim for it; cut, tied and shocked 65 acres milo, cane and corn last year." Testimonials and catalog free, showing pictures of harvester. Address: PROCESS MFG. CO., Dept. 46, Salina, Kans.

ECONOMY STEEL SILO ROOF

No silo is complete without it. For Round Silos—wood, cement, hollow tile, brick or concrete. 22 gauge steel. Easy to put on. Rust and Lightning Proof.

DES MOINES SILO & MFG. CO., 512 NEW YORK AVE., DES MOINES, IOWA.

THE PAPEC

IT THROWS AND BLOWS

Papec Ensilage Cutters

Cut silage perfectly, and at a very low cost of operation. Papec knives cut smoothly and swiftly. They make a fine, uniform silage that is very palatable and nutritious. The combined throwing and blowing force that lifts the silage is generated from one fifth less power than is required by any other blower doing the same work. Mechanical perfection and high quality of material mean long life, no loss of power and low cost of operation.

Our new illustrated catalog gives facts showing how "The Wonderful Papec" will save time and money at cutting time. Send for copy today.

PAPEC MACHINE CO. Box 61, SHORTSVILLE, N.Y.
20 Distributing Points in the U. S.

THE FREEMAN ENSILAGE CUTTER

Noted for its exceptionally clean cutting, smooth, fast running and its saving of power. The 16 inch Freeman gives excellent results with as little as 4 H. P.

Saves Dollars on Power Cost

Traveling force feed table—handles biggest bundles with ease. Most simply constructed, most durable. Large feed rolls, adjustable knives, safety fly wheel, safety stop lever—can be brought to a standstill instantly.

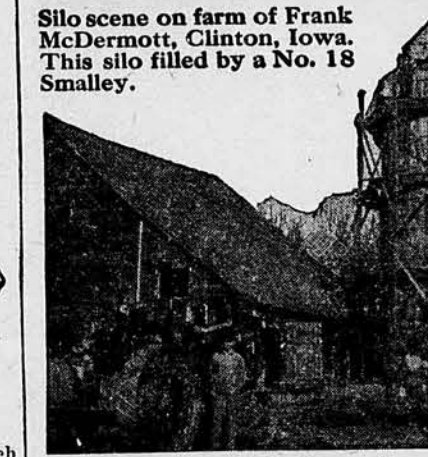
Enclosed Steel Carrier—Non-clogging—no scattering, no waste—single chain, runs light and true. Easily taken apart, easily moved. Fine for individual silos or job work.

Get Our Free Book

Illustrates and describes our complete line of ensilage machinery—shows all sizes Freeman Feed Cutters, from cheapest hand cutter up. This book will save you money. Write for it today.

THE S. FREEMAN & SONS CO.
215 Michigan St.
RACINE, WISCONSIN.

It's Fun With a Smalley



Silo scene on farm of Frank McDermott, Clinton, Iowa. This silo filled by a No. 18 Smalley.

Cutting silage and filling a silo with a common, flat-apron type of machine is a hard, slow, tiresome task. But it's just "play" with a powerful, force-feed Smalley on the job. The Smalleys work with a speed and accuracy that is positively fascinating. Makes no difference if your silo is 60 feet high, it's all the same to the Smalley. And you don't have to break your back feeding the machine, either. The powerful Smalley grip hooks do two men's work.

And such silage! Smooth and even throughout. No coarse, big pieces. All fine and nice—the kind that keeps fresh and packs down closely. You get more tonnage. No wonder 4 out of every 5 Siloists buy "Smalleys."

When George Crow of Hutchinson, Kansas, got ready to fill his big 60-ft. silo he promptly sent for a Powerful "Smalley" and patented chain-drive power to do the cutting and filling.

The Powerful Smalley Force-Feed Silage Cutter

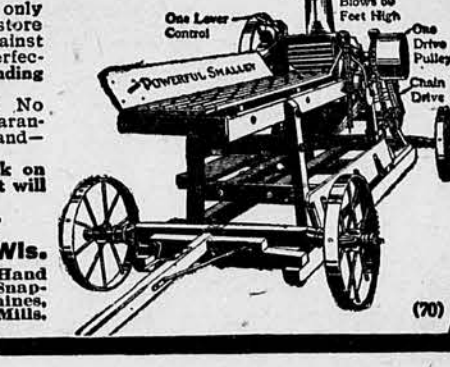
is the result of 56 years' experience. It not only handles green silage, but farmers cut and store oats and peas in the spring to guard against dried-up pastures. Also cuts alfalfa to perfection and is equipped for special alfalfa grinding screen.

Only one drive pulley on blower outfits. No idler to bother with. Ten per cent steel guaranteed in all foundry castings. No oiling by hand—hard oil cups on all important bearings.

Send for Smalley's handsome new Book on Silage Machinery. Send postal now and it will be sent you free, by return mail.

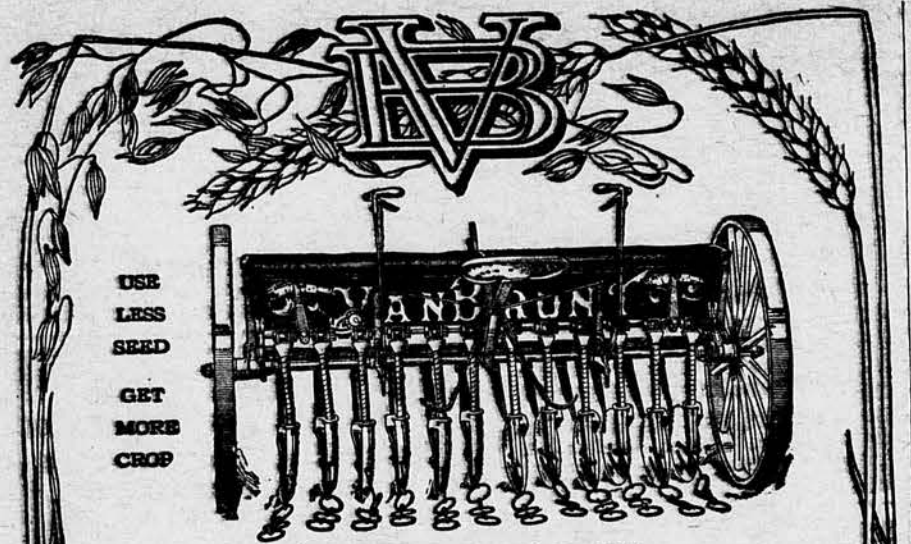
SMALLEY MFG. COMPANY
Box 161 Manitowoc, Wis.

Manufacturers of Ensilage, Alfalfa and Hand Feed Cutters, Combination Ensilage and Snapping Machines, Drag and Circular Saw Machines, Champion Flows, Cob Grinders and Feed Mills.



CROPS and FARM WORK

(Crop Reporting Service of Farmers Mail and Breeze.)



USE LESS SEED GET MORE CROP

THE VAN BRUNT DRILL

This is the lightest, but at the same time the strongest and most durable drill on the market. Every part having to stand any strain is thoroughly braced, and only the best of material is used on the entire drill.

LESS SEED

Is required to get maximum returns, as the Van Brunt Drill gives you an even flow of seed into a furrow of uniform depth. It does not plant too much in spots so that growth of grain is retarded or smothered account crowded. Such planting means not only poor returns, but is also a waste of seed.

MORE CROP

Is the result of "Van Brunt" seeding. This drill does not choke up and skip planting part of the soil. You are getting returns from every bit of your land. Seed is planted at uniform depth and is all up and ready for harvest at the same time.

THE ACCURATE SEEDER

The Van Brunt is the most accurate seeder on account of its construction. Can be adjusted to plant any small grain. Each wheel drives half of the machine. Adjustable force-feed insures even flow from hopper. Adjustable gate feed regulates this flow and prevents bunching.

PLANTS AT UNIFORM DEPTH

You not only have an even flow of seed, but also plant it at uniform depth. Adjustable pressure springs on openers make furrow of even depth all the time. Closed boot delivery puts seed at bottom of furrow before soil can fall in. The Van Brunt plants accurately in any soil that can be seeded.

DISCS AND BEARINGS

The "hard-working" part of any drill and on most drills soon gives out. But not on the Van Brunt. We guarantee our disc bearings will last life-time of drill. Any that should happen to wear out, we will replace free of charge at our shops.

GRASS SEED ATTACHMENT

The "Van Brunt" can be furnished with grass seed attachment, tubes of which are so made that you can either drill or sow broadcast. Be progressive. To do so you must have up-to-date implements to get results. The "Van Brunt" is "The Drill." Write us immediately for our new catalog.

Ask for package No. VB 12
Address JOHN DEERE FLOW CO., Moline, Ill.

OIL - OIL - OIL

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

XXX 46 gravity water white kerosene	..... \$6.00 for 52 gal. bbl.
XX 42 gravity kerosene (the kind usually sold)	..... \$5.25 for 52 gal. bbl.
XXX 64 gravity gasoline	..... \$10.00 for 52 gal. bbl.
1 case 64 gravity prime white stove distillate	..... \$3.50
40 gravity prime white stove distillate	..... \$4.50 for 52 gal. bbl.
38 gravity stove distillate	..... \$4.25 for 52 gal. bbl.
60 gallon (26 gauge) galvanized steel tank with pump and hood cover complete—a great convenience in every home	..... \$3.60
Extra heavy pure crude oil, steamed and settled, (black oil) good lubricant, just the thing for greasing tools	..... \$4.00 for 52 gal. bbl.
STANNARD'S PROCESSED CRUDE OIL, the best dip made for killing lice and curing mange. One application will do more to kill lice and cure mange than three applications of any other dip made (it destroys the nits)	..... \$5.00 for 52 gal. bbl.

I also carry a full line of lubricating oils.
I will pay \$1.25 each for my crude oil barrels, \$1.50 each for my refined oil barrels returned to me at Coffeyville, Kansas, in good order, less freight charge on same.

C. A. STANNARD, BOX M, EMPORIA, KAN.

The PERFECT CORN HARVESTER

SOLD DIRECT TO THE FARMERS

\$18.00—Freight Prepaid



The Cheapest and Easiest way Possible to Cut your Corn for Shock or Silo.

Oregon, Ill., Oct. 26, 1912.

Gentlemen—After giving the Perfect Corn Harvester a thorough working test in all conditions of corn in the cornfield, we write you that it has adjustment for a great variety of conditions in cutting high, medium or low. We are very much pleased at its light draft and steadiness in following the center of the row. We consider it the very best one-horse corn cutter that the experimental station has ever had an opportunity to demonstrate, and we commend it to the corn cutting farmer.

Very truly,
Samuel Ray.

Send for Booklet and circulars telling all about this labor saving machine.

LOVE MANUFACTURING COMPANY . . . DEPT. 7, LINCOLN, ILL.

APPLETON SILO FILLERS

Handsome, illustrated booklet giving 30 convincing reasons for buying the powerful, low down, underslung, cut-under oak frame, Appleton Silo Filler, mailed free. Write for it to-day.



APPLETON MFG. CO., 497 FARGO ST., BATAVIA, ILL., U.S.A.

The main farm problem in Mail and Breeze territory at this writing is next winter's feed supply. Kafir, milo, and bottom land corn still have a chance, but elsewhere there will be little more than a light yield of roughage. In Sedgwick county, Kansas, says V. R. Kelso, a number of farmers are getting ready to sow rye for fall pasture. That would be a good plan to put in operation in every locality where feed will be short. Green rye will not only furnish fall pasture, but with a mild winter could be grazed right through until grass comes again next spring. Then it can be allowed to make what seed it will, or, when cut at the proper stage, it will make a fair quality of hay. There is nothing to lose by putting in a generous acreage of rye this fall.

Cutting corn the first part of August is a very unusual occurrence but it is being done this year of necessity. Silos are being filled as fast as corn reaches the stage where there is nothing further to be hoped for. Many a silo has been put up (or down) on hurry up orders. E. E. Baker of Custer county, Oklahoma says more silos have been built in that county this season than in all previous years put together.

According to the government crop report of August 1, the Kansas wheat crop for 1913 will reach 86,515,000 bushels as against 91,450,000 bushels in 1912. The average yield an acre for the 1913 crop is given as 13 bushels. The 1912 average was 15½ bushels. In the entire country the average is 16½ bushels as against 15.1 in 1912. The same report places the condition of growing corn in Kansas on August 1 at 30 per cent. This is by far the lowest average among all the corn growing states. Oklahoma follows with 44 per cent and Nebraska is third from the bottom with 67 per cent of a normal outlook. In all other states the condition exceeds 70 per cent.

KANSAS.

Saline County—Quite a lot of plowing being done in spite of dry weather. Corn is selling at 82 cents, wheat 72, hogs \$7.85, alfalfa hay \$20, prairie \$15, shorts \$25.—G. W. Holt, Aug. 9.

Gove County—Drouth is still with us but is not affecting our water supply. Pastures short and dry. No feed being raised worth mentioning. Stock still doing well. Hoppers are bad.—H. W. Schaible, Aug. 9.

Barber County—Everything is dry as powder. Some silos being filled with corn fodder but it is very light. Threshing about finished. Stock water very scarce. Corn 75 to 80 cents.—G. H. Reynolds, Aug. 9.

Stafford County—Will have the poorest corn crop of many years in this county. All feed will be scarce. Wheat threshing finished. Yields ranged from 8 to 35 bushels. Hay selling high. Wheat 74 cents, corn 80.—S. H. Newell, Aug. 7.

Reno County—Dry, hot weather continues and it is hard on corn. Threshing nearly finished. Peanuts and pumpkins are still green. Will have some potatoes. New wheat brings 75 cents. Corn about the same but there is none to sell.—D. Engelhart, Aug. 8.

Barton County—Corn and nearly all feed damaged beyond help. Pastures short and dry. Feed will be scarce this winter. Not much plowing done. Ground is loose and like an ash bed. Wheat nearly all threshed. Corn 76 cents, wheat 75.—J. A. Johnson, Aug. 9.

Clay County—No rain worth speaking of in this county since June 1. Will have little corn and almost no other feed except the first two crops of alfalfa. Stock is a drag on the market. No vegetables or garden stuff of any kind.—H. H. Wright, Aug. 10.

Pottawatomie County—No rain worth while for more than two months. Pastures and meadows are dry enough to burn. Hay crop very short. With a few more days of hot winds corn will not make anything. Old corn being shipped in now at 85 cents.—W. H. Washburn, Aug. 8.

Comanche County—Weather still dry. Very little plowing being done. Some farmers are scratching their wheat stubble to conserve moisture they hope to get. Some corn being cut. Kafir still looks well in eastern part of county. Pastures getting very short.—S. A. De Laif, Aug. 8.

Shawnee County—Still dry and hot. No rain since July 19. Most of plowing for wheat finished. Corn still hanging on and will get part of a crop if rain comes soon. Several silos being put up. Pastures dried up. Hay \$12, hogs \$8.50, corn 75 cents, but none going to market.—J. P. Ross, Aug. 9.

Lyon County—No rain yet. Pastures and stock water drying up fast. Too dry to plow but weather is good for haying. Corn being cut up. Early corn fields on creek bottoms will make part of a crop. Too dry for any crops to grow. Apples will be small unless it rains soon.—E. R. Griffith, Aug. 10.

Clark County—Weather hot and dry although some localities have had showers lately. Soaking rains are needed to make feed. Corn is being cut and siloed. Pastures short but stock still looking well. Hoppers damaging growing crops. Will have about

enough wheat from this year's crop for seeding.—H. C. Jacobs, Aug. 4.

Bourbon County—No rain since July 28 and thermometer is above 100 nearly every day. Prairie hay being put up and is making ¼ to ½ ton an acre including weeds. Stock water is scarce. Pastures are short and dry but stock doing fairly well. Corn crop will be light. One farm sold this week at \$60 an acre.—W. W. Orr, Aug. 9.

Sedgwick County—Corn is done for and silos are being filled. Hay is very poor and prices are advancing every day. Threshing about finished. A good many farmers will put in rye for early pasture. The outlook for stockmen with large herds is not very bright. Not much plowing done. No fruit to speak of.—V. R. Kelso, Aug. 8.

Mitchell County—It is 70 days since we have had rain in measurable amounts. Some farmers are plowing and the rest are waiting for rain. Feed of all kinds drying fast and will have to cut it before long. Several silos being put up. It looks as though more straw would be fed than anything else this winter.—J. H. De Poy, Aug. 9.

Jefferson County—A light shower fell today after two weeks of extremely hot weather. Corn is almost too far along to be helped by rain, but moisture is needed for stock water and to help plowing. Many farmers feeding stock on account of short pastures. Most of them have plenty of hay and roughness.—Z. G. Jones, Aug. 11.

Rooks County—Dry, hot weather continues. Will not have much feed. Some farmers cutting corn but it is too small to make good feed. Threshing about finished. Wheat averaged 2 to 3 bushels. Dwarf milo would still make grain if we had rain soon. Very little plowing done and most wheat will be sown in the stubble.—C. O. Thomas, Aug. 8.

Ottawa County—Drouth still unbroken and this county will not raise enough corn to fatten winter meat. Some wells have gone dry that stood all tests for more than 30 years. Pastures would burn. Fall plowing progressing slowly and blacksmiths are busy men. Thousands of bushels of wheat will be held for feed this winter.—W. S. Wakefield, Aug. 9.

Harper County—No rain for three weeks. Corn is gone but kafir is still in fair shape. Threshing nearly finished. Wheat made 10 to 20 bushels. Oats were a failure. Pastures short and stock water hard to find. Price of feed is out of sight. Thermometer registers from 100 to 110 in the shade. Corn 75 cents, wheat 72, oats 50, cream 24.—H. E. Henderson, Aug. 10.

OKLAHOMA.

Kiowa County—Cotton needs rain badly. It is so dry that some bolls are opening. Grain is not all threshed yet. Stock is high spring calves selling at \$14.—Mrs. Alice Henderson, Aug. 6.

Fillman County—Have had no rain for nearly three weeks. Early corn and kafir are practically made but late feed is suffering. Cotton has been hurt in many places.—E. T. Austin, Aug. 9.

Beaver County—Weather hot and dry. Kafir and broomcorn burning up. Wheat and oats are turning out light. Pastures are dry enough to burn. Kafir 43 cents.—M. B. Edwards, Aug. 6.

Blaine County—Corn is short and kafir badly injured. Early milo is doing well. Late milo planted on stubble ground after July 4 is not doing well. Very little wheat land is prepared.—Henry Willert, Aug. 9.

Pawnee County—Still hot and dry. Not much rain since July 1. Most corn is too dry for fodder. Ears will be light and chaffy. Cotton still looks good. Hay was short. West part of county had a good rain but in other parts pastures would burn.—V. Funkhouser, Aug. 9.

Kingfisher County—No rain since June 30. Upland corn and kafir are about dried up. Yields will vary from nothing to 20 bushels per acre. Bottom corn will vary from nothing to 35 bushels. Threshing is nearly finished. Many silos being built. Pastures and gardens are about dried up.—H. A. Reynolds, Aug. 8.

Lincoln County—Farmers are feeding stock as pastures are dry enough to burn. Stock water getting scarce but wells are still holding out. Apples are baking on the trees. Cotton is beginning to open. Late corn is a failure and kafir and cane suffering. Stock is in good condition.—J. B. Pomeroy, Aug. 9.

Kay County—A corn crop is out of the question except in creek bottoms. Kafir being hurt by drouth and bugs. Corn is being cut and silos filled. Large acreage of wheat will be put out this fall. Several families are moving to Iowa and Illinois because they can't raise corn every year in Oklahoma.—Sherman Jacobs, Aug. 5.

Custer County—No rain since July 20 and all crops are suffering. Milo is being cut with row binders. Corn being cut for fodder and silage. More silos built this year than in all previous seasons put together. Big crop of rough feed in sight. Cattle and hogs sell high at sales but horses and mules go cheap.—E. E. Baker, Aug. 8.

Cleveland County—Crops drying badly and stock water is scarce. Too dry to plow. Third cutting of alfalfa is very light. Threshing is finished but no large yields of grain are reported. Pastures are dry and farmers are feeding stock at least once a day. Alfalfa \$10, wheat 70 cents, oats 32.—H. Dietrich, Aug. 9.

Burlap Takes Off the Jar

Mr. Editor—To lessen the strain and jar of a loaded wheelbarrow, upon one's shoulders we tore up some burlap sacking into long strips 6 or 8 inches wide and wrapped them about the tire and felloe of the wheel. Several thicknesses of the burlap were wound around the wheel. Baling wire was then wrapped around the outside to hold the burlap on.

Wellington, Kan. J. S. Wade.



FOSTER'S FORECASTS

(Copyright 1913 by W. T. Foster.)

Washington, D. C., Aug. 16.—Last bulletin gave forecasts of disturbance to cross continent Aug. 18 to 22, warm wave 17 to 21, cool wave 20 to 24. This storm wave will tend toward higher temperatures and drier weather, just when the corn crop will most need rain, but, as the old adage would say, it is a poor wind that blows nobody good. Dry, warm weather will be best for the spring wheat country, both for maturing late crops and for threshing.

The July rains gradually progressed southward, giving some much needed moisture to the cotton states but we expect the heat and drouth also to progress southward and that cotton will late in August get similar damage, to that which corn received early in the month.

Indications are that September will be warm and dry. That will hold back the northern frosts and be favorable to late northern crops but will be hard on late top growths of cotton and will not put the soil in good condition for fall grain sowing.

Next disturbance will reach Pacific coast about August 22, cross Pacific slope by close of 23, great central valleys 24 to 26, eastern sections 27. Warm wave will cross Pacific slope about August 22, great central valleys 24, eastern sections 26. Cool wave will cross Pacific slope about August 25, great central valleys 27, eastern sections 29.

This will cause warm, dry, weather, bad for cotton and late corn. The weather of last part of August will be favorable only to northern spring wheat. All other crops and crop weather will not be the kinds that most please the farmer.

Want the Road Money Spent

The other day about 400 citizens of Riley county, most of them farmers, met with the county commissioners in the interest of a system of county roads. The news report of the meeting said the board would probably designate the first 100 miles of road the next day. That was quick action. Quick action usually follows when the farmers of a community line up on any certain thing. Some of the county boards in Kansas

manifest a reluctance to put the road fund to use, but if the farmers can be assured the money will not be misspent they want it used and in several counties have compelled its use. County boards are now permitted to spend from \$10 to \$15 a mile for dragging, according to the width of the road, and in Kansas a well dragged road is frequently a good road 11 months in the year.

Sentiment is now all against the use of wooden "thank-you-ma'ams" for culverts. Concrete is the favored material and is considered much the cheaper in the long run.

Losing Money on Wheat

The United States department of agriculture figures that the average actual cost of all the wheat raised in the United States is 58 cents a bushel.

Dr. J. H. Worst, president of the North Dakota agricultural college, finds that the potash, phosphoric acid and nitrogen removed from the soil by a bushel of wheat, when figured at market prices, is worth 46½ cents.

"This — comments Dry-Farming — brings the actual cost of every bushel of wheat raised in America, on the average, to \$1.04½."

Immature Corn for Silage

Will I find much, if any, food value in silage made by cutting immature corn fodder?—H. D., Clay county, Kansas.

On account of the scarcity of hay, the high price of grain and the shortage of pastures, it is advisable for Kansas farmers to make every possible effort to provide feed for livestock during the coming winter. While the silage made from immature corn will not have the feeding value of that made from corn in its proper condition, it is advisable to allow it to remain in the field as long as there is any hope of its making further growth, providing it rains. When it has burned to such an extent that there probably will be little further growth, then put it into the silo.

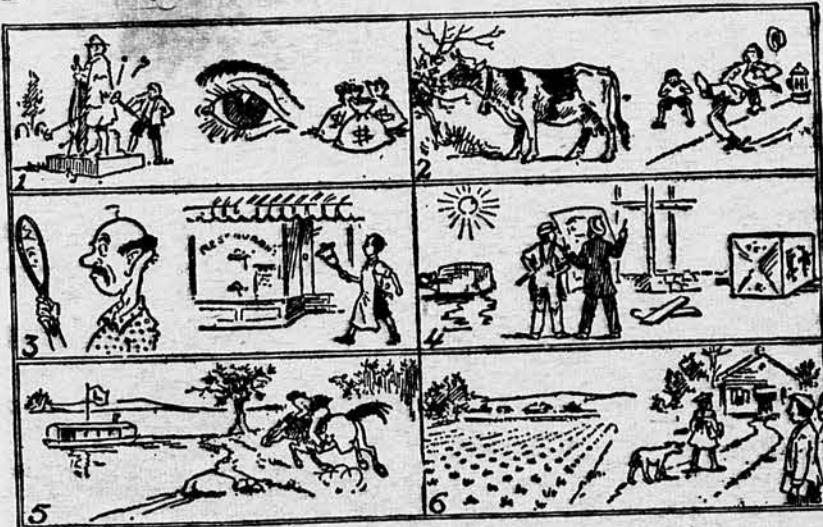
On the college farms we have suffered as severely from drouth as in any section of the state, and it is our plan to begin to make our silage about August 7, providing there is no rain before that date. In this way we feel that we will secure twice as much feeding value out of our immature corn as we would if it were cut, shocked and allowed to remain standing in the field until winter.

W. A. Cochel.
Kansas Agricultural college.

A little buttermilk in the butter soon makes it turn rancid in summer.

A Puzzle For Mail and Breeze Boys and Girls

THESE pictures illustrate the names of six old fashioned flowers. Can you name them? A set of postcards will be awarded for each of the 10 best solutions received by Friday, August 22. To your solution attach your name and address, then mail to Farmers Mail and Breeze, Topeka, Kan., being sure to write in the lower lefthand corner, "Puzzle Department". Prizes are awarded not only for your skill in solving the puzzle but for the neatness,



originality and general care taken in preparing the answers. The puzzle which appeared August 2 illustrated (1) hammer, (2) nails, (3) hatchet, (4) plane, (5) teacher, (6) blackboard, (7) slate, (8) scholars. The prize winners are Gladys Bunton, 40C Fourth street, Iola, Kan., Leona Achilles, R. 1, Inman, Kan., Margaret Wheelock, R. 2, Mooreland, Okla., Esther Carlson, R. 2, Geneseo, Kan., Sarah Boatright, R. 1, Caldwell, Kan., Mary Grimmett, R. 6, Bolivar, Mo., Nellie D. McMullen, R. 1, Earleton, Kan., Mrs. B. E. Metzger, Oskaloosa, Kan., Inez M Stevens, R. 2, Galesburg, Kan., Glenn Hershner, 1535 North Merchant street, Emporia, Kan.

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BE your own engine agent. The cost is only a postage stamp. I sell to users, direct, for my lowest Factory Prices—lower prices, even, than dealers paid me, when I sold exclusively through them, for 26 years. I quit the middlemen, and with my improved factory facilities, am able to undersell the entire field of good engines.

WITTE Engines 1/2 to 40 HP.
Use Gasoline, Gas and Oil

Recommended by thousands of users in all parts of the world. 54 Sizes and Styles—Stationary, Skidded and Portable—meet every farm and shop power need. Made famous by their superior quality features—detachable cylinders, vertical valves, 4-ring pistons, automatic controlled electric ignition—merits, without which no engine can be really high-grade. Start without cranking; run without watching, day or night, if you wish. Cheaper power, per horse than others can give. A Binding Five-Year Guarantee with every WITTE Engine sold.

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Full information of my new and fairer plan of selling engines in my Great New Free Book. No other like it ever printed. Lays engine secrets bare and shows plainly how to judge the value of any engine. Also quotes factory prices and gives easy terms of payment on credit sales. Send no money—just write me the work you want done. I'll guarantee to interest you at once.

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A New Writer Joins

F. B. Nichols Will Serve the Capper Farm Papers Exclusively.

It is always more interesting to read how something was done, what it cost to do it, and what profit it returned than to read of something which someone hopes to do. In line with this belief the Capper farm papers have just added to the general staff, F. B. Nichols, formerly agricultural editor of the St. Joseph Fruit Grower and Farmer. Mr. Nichols began work as a special writer for the Capper farm papers August 1. His articles will appear in all those publications from time to time as the subject or the circumstances may seem to warrant.



F. B. Nichols.

Mr. Nichols is a native Kansan, the son of a farmer living near Buffalo, Kan. He was graduated from the Kansas Agricultural college two or three years ago with exceptionally high honors. While the superlative usually is in bad taste, it is safe to say that few graduates have done more, or so much in two years as Mr. Nichols has done since leaving college. Representing the Fruit Grower and Farmer he made a long tour of the United States visiting the best agricultural and fruit sections, inspecting all kinds of farms and familiarizing himself generally with fruit farm conditions between the Atlantic and the Pacific. His special articles describing what he had seen attracted widespread attention. Within the year he published an excellent book, "Making Money on Farm Crops," and more recently has finished another, now in the publishers' hands.

Mr. Nichols, of course, has the farmer's viewpoint which means that he knows how to write common-sense everyday English. His first article is to appear next week in the Mail and Breeze. It will deal with a subject of deep interest to every farmer in the western half of Kansas.

Top-Notch Club Busy Again

WHEAT REPORTS IN ORDER.

The time of year has rolled around again for the Top-Notch Club of the Farmers Mail and Breeze to be showing signs of life. All indications point to a merry scramble for the wheat trophy but it is not very probable that southwest Kansas will again win the honors this year. O. B. Riley, of Minneola, Clark county, made away with the prize in 1912 on a yield of 61 bushels and 12 pounds of wheat to the acre, in a small field of slightly less than 8 acres. The best wheat this year is in northern and eastern Kansas, with present prospects favoring the north central counties.

The Mail and Breeze Top-Notch Club was founded by Arthur Capper in the spring of 1911. Its object is to recognize the work of the men who are doing the most to further the cause of better farming as shown by their crop yields. It is a kind of "Who's Who" club that seeks to single out the master farmers of the state. There are absolutely no strings attached to the privilege of becoming a member of this order or to winning a trophy—no fees to pay, and no ceremony of any kind to endure.

A scale of minimum yields of various crops has been established and any farmer coming up to or surpassing one or more of these yields qualifies as a member. At the end of every crop season the reports are carefully gone over and verified, and the contestants who made the best yields in the crops designated, receive a beautiful silver cup with name, address and achievement inscribed on it. Ten of these silver trophies are offered this year. This is the scale of minimum yields in the several crops:

Wheat	50 bu.
Corn	100 bu.
Oats	60 bu.
Kafir	40 bu.
Milo	40 bu.
Alfalfa hay	6 tons

Six cups are offered to Top-Notchers this year, one each for the best yield

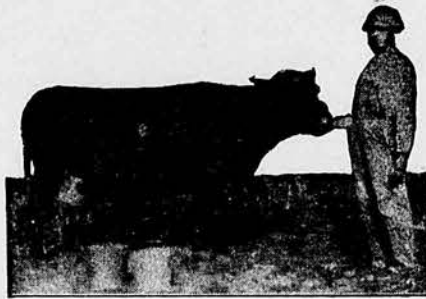
made in the foregoing crops whether that yield reaches the Top-Notch minimum or not. The Farmers Mail and Breeze urges all its readers who have made unusual yields in one or the other of these crops to report it to this office.

The following were winners in last year's Top-Notch contest: Wheat, O. B. Riley, Minneola, Kan., 61 bushels, 12 pounds to the acre; corn, Fred Brown, Muscotah, Kan., 100 bushels 52 pounds to the acre; kafir, C. M. Gates, Fowler, Kan., 66 bushels 24 pounds to the acre.

A "Town" Cow's Milk Record

Mr. Editor—I am sending you the likeness of a Smith county cow together with a report of her performance at the pail. When bought as a 2-year-old heifer a few years ago she weighed 750 to 800 pounds. She was wellbred, being seven-eighths Shorthorn and one eighth Jersey. She now weighs 1,475 to 1,500 pounds and has given milk 11 months of each year since we have had her.

She was fresh May 3, 1913, and from May 10 to June 17 gave 2,211 pounds of milk. Counting 8 1-3 pounds per gallon this means an average of nearly 8



"Queen of Smith," a town cow which has been averaging nearly 8 gallons of milk daily.

gallons a day. The lowest yield of milk in one day was 4 1/2 pounds and the highest 69 pounds. We are milking her three times a day now—at 6:30 a. m., 11:30 a. m., and at 6:30 p. m.

This "Queen of Smith" is a town cow and supplies nearly the whole neighborhood with milk, besides helping feed 400 to 500 chickens, and a family of four who believe that cream is good in and on nearly everything used on the table.

This cow is fed, watered and milked regularly, and curried and brushed every morning, but not with a milk stool. In cold weather she is given luke warm water, which practice is being followed more and more by dairymen in Kansas, just as it has been in foreign countries for years.

Charles D. Uhl.

Smith Center, Kan.

[Appended to Mr. Uhl's report was a certified statement by W. E. Lillie, local manager of a creamery company, to the effect that a test made of this cow's milk June 18 showed 4.8 per cent butter fat.—Editor.]

Farm Insurance at Small Cost

Mr. Editor—I notice co-operative insurance is being freely discussed nowadays. In 1886 we organized a mutual insurance company here among the Swedes and I have served as their secretary. We had had similar companies in Sweden.

During our first five years, our written insurance averaged \$80,000 with losses of \$13 which were promptly paid; second five year period, \$168,000 insurance with losses paid amounting to \$232.38; third period of five years, \$205,000 insurance with \$883.25 paid in losses; fourth period of five years \$283,560 and \$1,372 losses paid; fifth period \$395,056 and \$2,353 paid in losses. The year 1911 was our worst year. That year our insurance cost us as much as the regular companies charge. In 1912 our total insurance was close to half a million dollars with \$1.15 in losses for each \$1,000 insured.

From these figures you can get an idea of what we saved on our insurance. Usually we have cash on hand to pay an average loss, and if not we can borrow from one of the members. We make an assessment once a year to pay losses or reimburse our treasury. We have a president, vice president, secretary, and treasurer, also one appraiser and examiner for each township. Once each year stove pipes and chimneys are examined.

Our by-laws are printed in Swedish but soon are to be translated into English. Our applications and policies are in English. Membership fee is \$1, policy fee 50 cents, changes 25 cents. Our applications are recorded and filed, and

our books and papers kept in a fire-proof vault.

Why could not the state furnish insurance of this kind? The township trustee could value our property, the county clerk could take care of applications, and our losses could be promptly paid out of the county treasury. The insurance tax could be collected with the regular taxes. Adolph Anderson.

R. 5, Chanute, Kan.

Make Silage of the Corn

There may not be much corn to husk this fall but the man with a silo on the place still has something left. Even if the stalks are small and not a nubbin in the whole field, the fodder cut and put into the silo will be worth several times that left standing out in the weather or cut up and shocked. The advice of authorities at the Kansas Agricultural college is to wait as long as possible before filling silos with this immature corn. So long as there is life there is a chance for it to grow again when the rains do come.

Market Conference Report Out

The report of the first conference on marketing and farm credits held at Chicago in April, is now ready for distribution. Without doubt it is a most comprehensive presentation of the important questions connected with marketing, the distribution of farm crops and the institution of a farm credit system. The best thought of the leaders is set forth in a most interesting way. The book should be in the hands of every producer. A copy may be obtained by sending \$1 to the Secretary of the First Conference on Marketing and Farm Credits, 1408 Steger building, Chicago.

A Last Chance to Grow Feed

Mr. Editor—During the hard winter of 1911-'12 many of our farmers remarked that nothing like the feed famine of that winter had ever been known and nothing like it would ever be experienced again. Well, we seem to have missed our guess for right now we have a feed famine equal if not worse, staring us in the face.

On July 1 I had as fine a prospect for corn as one could wish. By July 10 my corn was a total loss, the work of grasshoppers. I have listed 20 acres of Kafir and sorghum in wheat stubble and will list more if we get rain soon. I tried this in 1911. The seed laid in the ground 30 days that time. We finally got rain July 27 which brought it up. Had it not been for the damage done by cutworms after this Kafir was knee high, I would have harvested the biggest crop of feed from that late planted Kafir I have ever raised.

One has everything to gain and nothing to lose by going out with the lister right now no matter if the ground is dry. My last year's plowing turns over as deep as it was plowed and with a sharp subsoiler one can go 2 inches deeper. A drill box of Kafir seed will plant at least 3 acres and a bushel from 12 to 15 acres. If rain does not come in time to make feed this listed ground is ready to be levelled down with a disk or center bustler.

We are likely to have a late fall and two months can grow an immense feed crop. My advice is, don't monkey with millet or cowpeas in this part of the state. I have tried them both. Milo, Kafir or cane is our only hope.

W. L. Stickney.

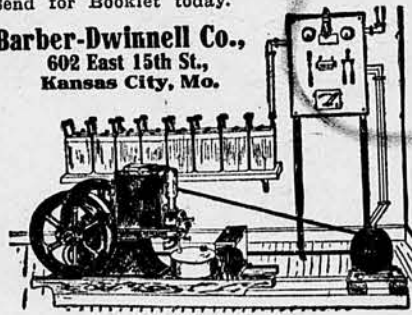
Stickney, Barton county, Kan.

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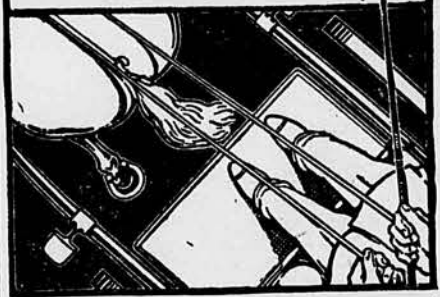


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The WOMEN
Conducted by



FOLKS
Mabel E. Graves

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

Entertaining is mostly being glad to see folks. If you're really glad, nobody will care whether all the dust is brushed off the piano or whether there are three kinds of pie on the table or not.

Perhaps you read in last week's Mail and Breeze the recipe entitled "Starting at the Beginning," and wondered what it was all about. That was a rule for raised doughnuts, with a wrong heading. Please try it. I'm sure you'll find it good.

A Chinese bigamist has just been sentenced to prison for 80 days. He was prosecuted by an organization of Chinese women. How's that for a country where for years without number the legal rights of women were so few they were scarcely worth mentioning?

Suppose every woman who reads the Mail and Breeze had a push-table on wheels that she could push from kitchen to dining room and back, what a glorious thing it would be! Then all the dishes could be taken in at once, all the food taken in at once, and all the dirty dishes taken back to the kitchen at one trip. Think of the time and strength saved. Even a good sized tray would be a help, anything to save the hundreds of needless steps that are taken by so many housewives in preparing every meal.

Scrape the Corn From the Cob.

The best way to cut corn from the cob is to stand it on the small end and with a sharp knife cut off about half the kernel; then with the back of the knife press and scrape out the remainder with a downward stroke. If scraped with the sharp edge many of the hulls will be carried down with the milk of the corn, and they are not wanted. This is the best method of cutting off corn for canning or any purpose.

Mrs. G. L. Bouteller.

R. 3, Yukon, Okla.

Fruit in the Sand Hills.

For the benefit of any who live as I do, out in the sand hills 23 miles from a railroad, and who find it inconvenient to get fruit, I send the following recipes:

Tomato and Watermelon Butter—Take ripe tomatoes and red, ripe watermelon, the red part only. Take them half and half, and one-third sugar. Boil the melon and tomatoes together until it will rub through a colander, then add sugar, and cook down to the right thickness. Slice lemons if preferred and boil in the butter. This is fine.

Mixed Pickles—Take little cucumbers, small onions or large ones cut fine, the tender radish pods, cabbage, young tender beans, tender radishes and muskmelons. Do not chop, but cut in dice-shaped pieces. Boil all together in salt water until tender, then drain off all the water. Take vinegar, 2 tablespoons ground mustard, 1 tablespoon sugar, a pinch of cayenne pepper and a tablespoonful of cornstarch. Boil all together, and seal.

I have been a reader of Mail and Breeze for 10 or 12 years.
Lamont, Neb. Mrs. A. L. Pryer.

Threshers Less Work Than Company.

The first thing I do toward getting a meal for threshers is to bake bread. I bake six big loaves the day before they come, and set yeast and bake again the next day. If I am to have them for breakfast, dinner and supper, the first thing after breakfast I clear my dishes away and put on water for scalding hens. If I have chickens I kill three, or if I have beef I get 15 or 20 pounds. There is some waste, but this is enough for 18 or 20 men. I put the meat on to boil about 8 o'clock, then put white

salt, and so on until pan is nearly full. Fill up with sweet milk, and bake 30 minutes.

For dinner I would have meats, potatoes, corn, beans, tomatoes, dressing, pickles, slaw, gravy, butters or preserves, and pies. For supper, meat, salads, slaw, fruit stewed or in butters, scalloped oysters, pies, cake, and cold tea. For breakfast I fry bacon, potatoes, eggs, and have oat flake or some other cereal. There is bread, of course, at all meals, and coffee. I don't think any more of getting a meal for threshers than company, and it isn't as much work for there isn't that trouble of fixing doileys, napkins, and so on that you all know.
Mrs. C. W. Kessler.

R. 5, Olathe, Kan.

Things That are Good to Know.

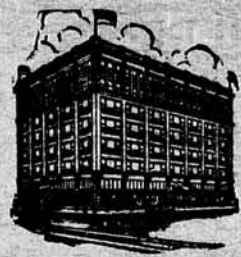
How many know that equal parts of linseed oil and vinegar make a fine polish for furniture and for varnished floors and wood work?

When ironing stand on an old piece of carpet folded several times. It will keep the feet from getting so tired.

When washing colored clothes put a little coal oil in the water. They will come clean easier.

Polish nickel on your stove with a cloth dipped in gasoline, and see how new it looks.

When baby chokes pick him up by the feet and shake him several times.
Grenola, Kan. A. H. W.



Good Qualities

large varieties and right prices are the three strong points that make the demand for Big Store's merchandise. You will always find what you need here whether your requirements are for serviceable or luxurious garments, fabrics or furnishings.

When you order by mail you will get as good merchandise and attentive service as when you come to the store to shop.

Remember our offer to refund railroad fare according to purchase, or pay express and parcels post on mail orders in Kansas.

THE MILLS DRY GOODS CO.
Topeka, Kansas

For painting a tin roof use Venetian red and linseed oil.

That Greatest Yearly Piano Event

Jenkins' Annual Mid-summer Sale

Is Possible Only Once a Year After Months and Months of Preparation!

BUY THAT PIANO NOW

SAVE \$50 TO \$200 NOW

and that once is in the dead of summer, the dullest time in the year for all mercantile houses. But we can't afford to permit the machinery of our business to slow up. This sale is our means of stimulating buyers to action. Wise people will not permit this opportunity to pass by. And remember, ordinary standards do not apply to the condition of the pianos in this sale. Indeed, the splendid quality of the pianos is more a feature of this sale than the low prices. Though the prices are extraordinary, the character and quality of the instruments lifts this sale far above any ever inaugurated in the West—a tremendous outpouring of wonderful values — THE GREATEST PIANO EVENT THE WEST HAS EVER KNOWN.

\$5 MONTHLY BUYS A PIANO

Remember—You don't have to pay all at once—our small terms make the buying of a Piano no sacrifice at all.

Here Are the Names and Prices of a Few of the Pianos in This Sale

Used Kimball.....	\$80	\$5.00 per mo.	Used \$500 Hardman	\$265	\$6.00 per mo.
Used \$350 Mason & Risch	\$115	\$5.00 per mo.	Used \$350 C.D. Pease	\$135	\$5.00 per mo.
Used \$275 Martin Bros.	\$125	\$5.00 per mo.	Used Kimball.....	\$145	\$5.00 per mo.
Used \$350 G. W. Strobe	\$150	\$5.00 per mo.	Used \$325 Howard...	\$155	\$5.00 per mo.
Used \$275 Irving.....	\$145	\$5.00 per mo.	Used Kimball.....	\$165	\$5.00 per mo.
Used \$325 Gilmore....	\$165	\$5.00 per mo.	Used \$375 Crown....	\$185	\$5.00 per mo.
Used \$350 Schaeffer..	\$215	\$6.00 per mo.	Used \$400 Kroeger...	\$195	\$5.00 per mo.
Used \$400 Ludwig ...	\$198	\$5.00 per mo.	Used \$450 Everett...	\$210	\$6.00 per mo.
Used \$500 Poole.....	\$260	\$6.00 per mo.	Used \$450 Estey.....	\$235	\$6.00 per mo.
Used \$350 Standard-Harrington	\$170	\$5.00 per mo.	Used \$450 Vose.....	\$280	\$7.50 per mo.
Used \$700 Decker Bros.	\$285	\$7.50 per mo.	Used \$600 Vose, Grand	\$440	\$10.00 per mo.
Used \$350 Schaeffer	\$215	\$6.00 per mo.	Used \$600 Sohmer...	\$260	\$7.50 per mo.
Used \$375 New England	\$155	\$5.00 per mo.	Used \$250 Royal....	\$130	\$5.00 per mo.
Used \$550 Ludwig....	\$245	\$6.00 per mo.	Used \$375 Conover...	\$175	\$5.00 per mo.
Used \$550 Chickering	\$145	\$5.00 per mo.	Used \$450 Haynes Bros.	\$195	\$5.00 per mo.
Used \$550 Knabe.....	\$260	\$7.50 per mo.	Used \$350 Schaeffer..	\$175	\$5.00 per mo.

SENT ON APPROVAL

It is as simple, safe and satisfactory to buy a piano of us by mail as if you visited the store in person. WE POSITIVELY GUARANTEE SATISFACTION. You take absolutely no chance. Merely write us saying you are interested in the purchase of a Piano and we will send you a complete list of all of the bargains in this great sale. We will send you a Piano on approval. You don't pay a cent unless satisfied.

J. W. JENKINS SONS' MUSIC CO.,

1013-15 Walnut St., Kansas City, Mo.

HOME DRESSMAKING

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

Ladies' Skirt No. 6227 when made for a woman of 24-inch waist measure measures 2 yards around the lower edge and requires 3 1/2 yards of 44-inch material. The pattern is cut in five sizes, 22 to 30 inches waist measure.

Dress No. 6238 is equally good for



it is much easier than standing over a hot stove to cook them.

Mrs. George M. Drew.
Superior, Neb.

Roasting Ears for Christmas.

When I was down in southwestern Oklahoma an old Indian told me how to have roasting ears for winter. Take the corn off the stalk, husk and all. Turn the husk back and dip in boiling water a few minutes, then tie the husks down tight and hang up; and you can have roasting ears for Christmas dinner. I tried it, and they are fine.

Mrs. G. H. Mills.

R. 4, Howard, Kan.

Corn Relish.

One dozen ears of corn cut from the cob, 1 cabbage chopped fine, 3 cups brown sugar, 3 pints vinegar, 1 tablespoon celery seed, 2 tablespoons ground mustard, 1/2 cup salt, 3 large red peppers or 6 small ones. Mix the mustard with a small teaspoonful of tumeric. Boil 30 minutes, and can hot. I made 30 quarts of this last year.

Mrs. George P. Ernenwein.
Verona Station, N. Y.

Mango Peaches.

Select large and perfect peaches, halve them and remove the stone. Fill the cavity with white mustard seed, put together again and tie up with string. Pack the peaches in jars and cover with a spiced sirup made as follows: Three pounds light brown sugar, 1 quart cider vinegar, and whole spice (cloves, allspice and cinnamon). Boil the sirup down, pour over the fruit while boiling hot, and seal.

Florella Counts.

Baldwin, Kan.

Best Peach Butter.

Pare ripe peaches and run them through the food chopper. Use 1 scant cup of sugar for each cup of peaches. Put on stove to cook, and before quite done add the juice of half a lemon for each quart of butter. No water is to be used, and the process of cooking down the butter is shortened by not having to boil it long enough to eliminate the excess moisture; also the fruit flavor is retained by its not being over-cooked. I always seal my fruit butters in glass jars.

Mrs. Harper A. Fulton.

R. 5, Fort Scott, Kan.

Canned Grapes.

To those who have not solved the problem of canning ripe grapes without cooking them to pieces I am sending a tried recipe: Fill the cans with grapes, without cooking. Make a sirup of sugar and water, pour it over the grapes and set them in a tub. Have sufficient water headed to cover the jars. Set the lids over jars and let steam a few minutes, then tighten the lids. It will not take them long to cook and they will look like grapes, too.

Mrs. Sadie Casebier.

R. 1, Toronto, Kan.

Mustard Chowchow.

One quart small cucumbers, 1 quart small onions, 1 quart quartered green tomatoes, 1 cabbage chopped fine, 3 red and 3 green peppers sliced, and a few string beans. Let stand in salt and water over night, then drain and press. Add hot weakened vinegar, let stand 48 hours, then drain. Mix 1 package of English mustard or 1/2 pint of any ground mustard with the same quantity of flour and 1 cupful of sugar in a little cold vinegar, and pour it into enough hot vinegar to cover chowchow; let boil up and pour over the pickle; or let the pickle cook 15 or 20 minutes in the vinegar, then add the mustard mixture and cook until thick. Put away in sealed or unsealed jars.

Mrs. Edith B. Raley.

Hennessey, Okla.

Help in Your Dressmaking

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

Public Sale of Oklahoma School Lands

Notice is hereby given that the state of Oklahoma will offer for sale at public auction at the times and places herein set forth 560,290 acres of its school lands, as set forth in pamphlet advertising said land for sale.

All lands will be sold at the door of the county court house of the county where-in the land is situated:
Boise City, Cimarron county, 385,376 acres, Sept. 22 to Oct. 10, 1913.
Guymon, Texas county, 182,874 acres, Oct. 13 to Oct. 29, 1913.

The terms of the sale are 5 per cent of the purchase price cash, at time of sale, and in no event shall the initial payment be less than \$50. The balance of the purchase price is divided into forty equal annual payments with interest at the rate of 5 per cent per annum, payable annually. Prospective buyers will bear in mind that these lands are unimproved, and the lessee has no preference right to purchase. There positively will be no improvements of any kind to be paid for by the purchaser, and a lessee has no more advantage than a non-resident of the state. Also that 1280 acres or any subdivision thereof of these lands can be bought by one person. A pamphlet containing full and complete description of each tract of land with the appraisement thereon to be sold together with all the laws, rules and regulations can be had postage prepaid, upon application to the commissioners of the land office at Oklahoma City, Oklahoma. Address all communications to John R. Williams, secretary, 517 Mercantile Bldg., Oklahoma City, Okla.

AUTOMOBILE USERS

Protect Your Tires With

WOODWORTH TREADS

Woodworth Treads are steel-studded leather tire protectors. They are puncture-proof and one of the best possible anti-skids. They preserve the tire enough to pay much more than their cost. Anyone can easily apply them to any make of tire.

Sold by all first-class supply houses.
Send for Free Booklet "Preservation of Tires."
LEATHER TIRE GOODS CO.,
Manufacturers Niagara Falls, N. Y.

"Ropp's Commercial Calculator"

A Book of Great Value to Every Farmer FREE

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

This Big Leather-Bound Webster's 825-Page Dictionary

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

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

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

Cut Out and Mail This Coupon Today!

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

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

Name
Postoffice
R. F. D.
State

Cleans like Magic Without Scouring

addition to its value on the farm as preventive of hog cholera—as a disinfectant—as a water softener and for making soap—

Lewis' Lye

The Standard for Half a Century

is a household necessity for cleaning purposes. It cleans anything and everything like magic, without scouring and does its work with less labor than any other so-called cleanser on the market. It is, without question, best for cleaning

- Bath Room Fixtures
- Kitchen Utensils
- Milk Pans or Churns
- Woodwork Windows.

Lewis' Lye—the purity and full strength of which is guaranteed—is the only lye made and marketed by manufacturing chemists. Booklet describing the many uses of Lewis' Lye, mailed free on request.

PENNSYLVANIA SALT MFG. COMPANY
Manufacturing Chemists
PHILADELPHIA

Poultry Magazine

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

12 Beautiful 7-Color Scenic Post Cards

10c

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

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

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

misses or small women. It is cut in sizes 14, 16 and 18 years. Age 16 requires 4 3/4 yards of 44-inch material. The pattern for Ladies' Dress No. 6253 is cut in five sizes, 34 to 42 inches bust measure. Size 36 requires 5 yards of 36-inch material with 7/8 yard of 27-inch contrasting material.

USE THIS COUPON FOR PATTERN ORDERS.

Farmers Mail and Breeze, Pattern Department,
Topeka, Kan.
Dear Sir—Enclosed find cents, for which send me the following patterns:

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

Name

Postoffice

State

R. F. D. or St. No.

BE SURE TO GIVE NUMBER AND SIZE.

When Women Go Canning

THINGS THEY PUT UP.

If you have sweet corn to put up take 8 cups corn cut from the cob, 2 cups water, 1 cup sugar and 1/2 cup salt. Boil 20 minutes and seal in glass jars.

Mrs. P. C. Wells.

R. 1, Florence, Kan.

Canned Tomatoes.

Scald and peel tomatoes and drop them in sterilized cans. When cans are all full fill up with boiling water and screw cover on tight. Have the boiler filled with enough water to cover cans, boiling hot. Take from the stove and set cans in it. Put on the boiler cover, wrap in an old comfort or carpet, and let sit till water is cold, which will be about 24 hours, then remove cans and see that the lids are tight. Your tomatoes will be whole, and will taste almost like fresh tomatoes. I never have them spoil when canned this way, and

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.

The People Should Have Full Power.

Mr. Editor—My notion is the people should have full power to do what they wish to do in legislative matters. I look upon this as being fundamental to good government, and of first importance. Let the people exercise this right through the passage of the initiative, referendum and recall. Had our last legislature been anything but recreant to its duty, it would have put this measure through.

I think, too, that the power to issue money should be taken from the national banks and placed in the hands of the government, for whoever controls the issuance of money, controls the credit of the country.

Norwich, Kan. M. R. Hobson.

Give "Shep" a Chance for His Life.

Mr. Editor—Friend Hatch's comments on the dog tax have stirred me up. No doubt there are too many worthless dogs in Kansas. In my opinion there are too many hunting dogs, owned mostly by town people. Some keep three or four. If the tax will result in the "curtailing" of this sort, well and good, but to put a tax on a well behaved farm dog is inflicting an unnecessary burden upon the farmers who already are loaded to the limit with taxes. We keep a fine Shepherd dog which we prize very much. His help in driving cows to and from pasture and keeping hawks and crows from the chicken yard is invaluable. Let the legislature make laws discriminating between the good and the bad in dogdom. By all means tax the worthless cur and hound but give good honest, hard-working Shep a chance for his life.

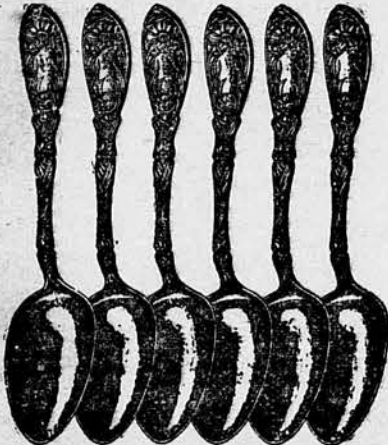
Gas, Kan. J. C. Hatch.

A Home Acre For Every Home.

Mr. Editor—I should like to see good homes for all in city or country, with at least 1 acre for buildings, lawn, shade, walks, playgrounds, garden and fruit. All should be well kept and have plenty of water and sunshine. All these things are essential to the physical, mental and moral growth and development of our

SIX SILVER NARCISSUS TEASPOONS FREE.

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



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

boys and girls, and afford a place where they can learn the laws of nature in regard to plant and animal life. In the manhood and womanhood of the home lies the safety of the state and nation.

The saloon ruins both the manhood and womanhood of the nation. The manufacture and sale of liquor is a crime because it produces crime continually. Fifty per cent of the inmates of our asylums, jails and penitentiaries are the product of the saloon and its attendant influences. The corn, rye, barley and other produce destroyed to manufacture liquor should be for the underfed. The thousands of dollars spent every year for liquor would help provide many good homes.

Altamont, Kan. C. E. Hildreth.

Wants Mail and Breeze Plans Tried.

Mr. Editor—I want to express my gratitude for the stand you take on the issuing of non-interest bearing bonds by the government. Also the graduated land tax and graduated income tax. Mr. Capper's comments on the extravagance of government and individual, the school question and on laws for poor and rich alike are good. We don't feel like taking your valuable time to read our letters, let alone print them. I only wish your paper was much larger so we would hear more from our friends. I hope the Mail and Breeze will drive its plans home until some of them at least will be tried out.

Labette, Kan. C. A. Miksch.

A Gloomy Outlook?

I notice your article in the Mail and Breeze on "Crippling the Farmer". I am glad we have men that can see the awful financial condition the farmer is in. I know that we will soon be compelled to turn our homes over to the money exchangers, as we cannot pay the 5 to 12 per cent interest for money. We are losing every year. We can't fight interest, taxes, dry weather, all kinds of insects produce speculators, pay high railroad rates, pay our running expenses, educate the children, pay the doctor, have clothes fit to be seen, and then lose our hogs with cholera, lose the cattle with blind staggers and the horses with the same disease, on account of poor feed, (as we have to feed the poor quality and sell the best in order to have money to pay high interest, keep up all of these expenses just mentioned, and a few more that I can't call to memory just now.)

Yes, we farmers have a load on us. You can see that we have more than we can stand, even with good crops. I can see but one way out, and that is to let us have money at either 2 or 3 per cent, (not to exceed 3 per cent). I think farmers should get money just as cheap as those large institutions, if we have to borrow at all. But it looks queer that the men and women that actually make the money, or that dig the stuff from Mother Earth,—that really demand the money—have to be a set of borrowers at all. Why should we farmers that toil from 10 to 16 hours a day have to depend on a set of men for our money? We know that merchants, manufacturers, lawyers, bankers, the railroad companies, or any other set of men, except those that pluck the raw material from Mother Earth, do not do this. Why is it these people do all this hard work and then be a set of slaves to the men that take these things second hand? It's a hard sum, Mr. Capper. You are a fine mathematician, but can you solve the problem? If you can and can give an answer correctly, or fix a plan to give us all a chance to be free, you are the man we suckers are looking for. But, we will have to have one of two things—either 2 or 3 per cent money, if we must borrow, or give us all we earn. If we are as long getting help in this matter as we are in other matters expected of the government we men that are from 35 to 50 years of age will lose our homes, but the children may be free.

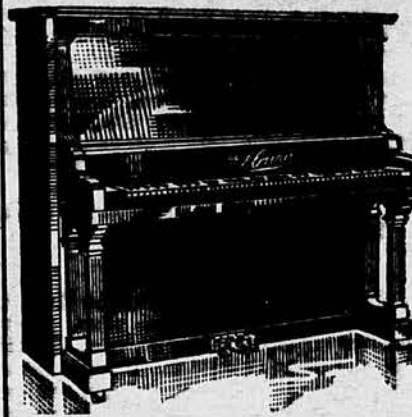
Mr. Capper I would like to shake your hand, as I think you surely are a friend to the working people.

Gibbon, Okla. C. C. Hern.

I think the Mail and Breeze is one of the best all around farm papers I ever had come into my house.—C. W. Ruttan, Mulhall, Okla.

I don't know how long I have taken the Mail and Breeze. I think it gets better all the time.—William Larkins, Belleville, Kan.

Dependable Pianos



They Pay!

Dependable Pianos—made by factories of recognized reliability—sold strictly on their merits, and exactly for what they are—and not only warranted by the makers but by Jenkins—that's the way pianos are sold here. Strictly one price—and a popular price—a price that takes advantage of every saving that comes from perfect organization, economical selling methods and a tremendous volume of business—that's the Jenkins way.

Steinway, Vose, Kurtzmann, Elburn

pianos on comfortable payments. Write for catalog and prices—\$125 and up. High class guaranteed Player Pianos \$435 and up. Call or write.

Amarillo, Tex. Gentlemen—Received the piano today. Got it in first class shape and think it is finest tone I ever heard. I know I have the best piano in Amarillo. I am well pleased with it. Thanking you for past favors, T. B. BURTON

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

State Fair, Topeka

September 8th to 12th, 1913

Mammoth Live Stock and Agricultural Exhibits.
New Fire-Proof Concrete Buildings for Stock and Exhibits.
Four Grand Band Concerts Daily.
New and Up-to-Date Free Acts.
Patterson's Shows on the Midway.
Five Days' Racing with Free Acts and Band Concerts—Five Days.
Aeroplane Flights.

EVERY NIGHT—PAIN'S MAMMOTH SPECTACLE, "Old Mexico—1847."

The storming and capture of Fortress Chapultepec. The awful and awe-inspiring spectacle of Mt. Popocatepetl in volcanic eruption. Scenic effects 350 feet long, 200 performers, followed by the greatest fireworks display ever seen in Kansas.

The fair at Topeka is in a class with the big State Fairs of the Western country. Every day a big one.

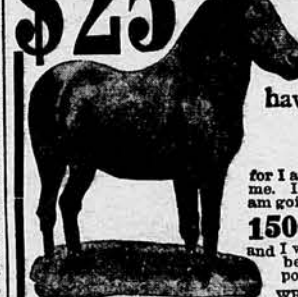
SPECIAL SERVICE ON ALL RAILROADS

T. A. Borman, President.

H. L. Cook, Secretary.

\$40,000 IN PREMIUMS AND SPEED!

\$25 for a Name for this Pony



I will give \$25 Free for the best name for this beautiful prize Shetland Pony. Send the best name you can think of right away, for not only do you have a chance to win the \$25 prize but

You Can Win the Pony Too

for I am going to give him to some boy or girl who will do a little easy work for me. I have just given "Dandy" and "Patches," other beautiful ponies, and now I am going to give away this pony. But first I want a name for him.

1500 Votes Free Just as soon as you send me a name for the pony I will tell you all about my great offer and I will also send you a special coupon good for 1500 free pony votes. Remember I will give \$25 for the best name for this pony, and I send you 1500 free pony votes and full particulars about the pony as soon as I hear from you.

WRITE ME TODAY A. M. Piper 677 Popular Building Des Moines, Iowa

A \$285.00 MOTORCYCLE FREE



FREE

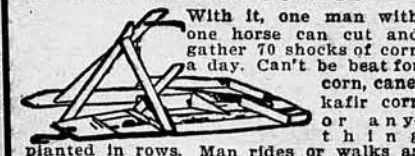
Also a High-Grade Bicycle valued at \$40; A \$25 Gold Watch, A \$25 Diamond Ring; \$23 Incubator and Brooder, and a \$20 Washing Machine—GIVEN AWAY.

Every person who answers this ad will be entitled to be considered in the awarding of Grand Prizes in our contest. We are going to give away, absolutely free, this \$285.00 Motorcycle and the Grand Prizes to the persons holding the most points in the contest on October 31, 1913. UNLIMITED CASH REWARDS TO EVERYONE who takes part in this contest. SEND US NO MONEY—everything is free. The quicker you send your name the better chance you will have to win the motorcycle or one of the other Grand Prizes and Cash Rewards. Answer this ad today and WE WILL SEND YOU 1,000 FREE POINTS and tell you how to get the \$285.00 Motorcycle Free.

PRIZE DISTRIBUTORS,

Dept. MB. Spencer, Ind.

Green Corn Cutter



With it, one man with one horse can cut and gather 70 shocks of corn a day. Can't be beat for corn, cane, kafir corn or anything planted in rows. Man rides or walks as he prefers. Thousands in use, with perfect satisfaction. Ask your dealer or send \$9.60 to us. Will ship same day. Circular free.

J. A. COLE, Mfr., Topeka, Kansas

INSTALL YOUR OWN Water Works

Hot and cold running water for country homes. Complete system ready to install \$37.50. Easily installed by anyone or money refunded. Enjoy the comforts of life!

Big Free Catalog

Simply send name today for big low price Catalog FREE. Shows hundreds of bargains in Pumps, Windmills, and everything known in Plumbing Goods direct at manufacturers' prices.

MISSOURI WATER & STEAM SUPPLY CO., 1711 So. 6th St., St. Joseph, Mo.

FARMERS CLASSIFIED PAGE.

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

WHY NOT ADVERTISE YOUR LIVESTOCK ON THIS PAGE?

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

HORSES, CATTLE, HOGS, SHEEP.

FOR Long Mohair goats address D. S. Warner, Antelope Gap, Tex.

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

35 HEAD March O. I. C. pigs. Both sexes. Well grown and prolific breeders. Address Alvey Bros., Meriden, Kan.

IMPORTED French Draft stallion for sale cheap; or trade for another pure bred stallion. Wm. Crome, Bremen, Kan.

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

\$6,000 BUYS equity 55 Jersey cows and in 320 acre dairy farm. Santa Fe shops. No other dairy. Particulars. Address owner, Box 154, Slaton, Tex.

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

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

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

REGISTERED Hampshire pigs of the best breeding, nicely belted and not related, with express prepaid to any place in Kansas or Oklahoma, per pair \$20.00. R. C. Krueger, Burlington, Kan.

"SUCCESS" anti-hog cholera serum is prepared on the 101 Ranch, under favorable conditions in our own complete laboratory. We can furnish fresh serum promptly at any time. Don't wait until your hogs are infected; vaccinate them now. Write, telephone or telegraph us your orders. Price 1 1/2 c per c. c. 101 Serum Plant, J. H. Jimmerson, V. S., director, Bliss, Oklahoma.

FOR SALE.

THREE GREAT PIANOS—Steinway, Steck, Vose. Write for prices. Jenkins Music Co., Kansas City, Mo.

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

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

FOR SALE—Barber shop, doing good business in growing town. Two chair fixtures and building. Must sell quick. Box 18, Gibbon, Okla.

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

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

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

EXCHANGE—\$20,000 (twenty thousand dollars) furniture business in Kan. City. Part cash. Rest land and live stock. This is something good. Prefer deal with owner. Smith-Sherman Furn. Co., 1720 Quindaro Blvd., K. C., Kan.

FOR SALE OR EXCHANGE.

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

QUICK SALES, exchanges. Large property list. Write John L. Maurer, Omaha, Neb.

AN UP-TO-DATE stock of hardware and residence for land. Box 156, Wellington, Kan.

HOTEL WANTED.

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

FOR SALE—AUTOMOBILES.

FOR SALE—Five passenger automobile in good running order. Good tires—windshield, electric lights. \$325. Otto Tonn, Haven Garage, Haven, Kan.

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

FOR SALE OR TRADE; a stock of general mdse. in eastern Kansas town of 500. Will invoice about \$4,000 and is clean and new in every way. Stock, care Mail and Breeze.

LANDS.

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

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

FOR SALE: Gulf Coast prairie land. G. T. Reinhardt, East Bernard, Texas.

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

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

\$1,200 EQUITY in 40 acres of land located in Mississippi valley of Iowa. Geo. W. Burgin, Waldo, Kan.

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

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

FOR SALE—Uncompahgre Valley, Colorado, land which is producing good crops every year. J. F. French, Olathe, Colorado.

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

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

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

38 ACRES, 2 miles Winslow, Ark.; 3 acres orchard; good spring; near school; healthy climate; price \$800; terms. Philip Moore, De Queen, Ark.

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

BARGAIN—Well improved 160 near Independence, Kansas, in gas and oil belt. Fine stock pond. \$50 per a. Terms. J. Bolt, Lakewood, New Mexico.

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

SPLENDID quarter section for sale in northeast Kansas. Close to town. Well improved. Owner leaving country. No agents. Answer X X, Mail and Breeze.

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

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.

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

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

WE ARE COLONIZING a large tract in the shallow water district, Logan county, Colorado. Finest farm land in the West. Wheat yield this year 46 bushels per acre. Land pays for itself in two years. We put in 40 acres of crop free of charge. Good terms and low prices. Best of soil, level roads, fine water and good markets. Write for free circular and mid-summer rates. Platte River Valley Land Company, 1129-22 City National Bank, Omaha, Nebraska.

LANDS.

A BARGAIN for \$1,400, 40 acre poultry and fruit farm in the healthy Ozarks of northwest Ark., 4 miles from Fayetteville, 1 1/4 miles to R. R. station; fine springs. For description and terms address C. W. Adams, Route 2, Fayetteville, Ark.

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

CALIFORNIA homeseekers; circulars, maps, facts and details concerning the great San Joaquin Valley lands, alfalfa raising, fruits, dairying, general farming and cheap transportation. All for 25c. Address Shawgo, 720 American Bank Bldg., Los Angeles, Calif.

RICH, level, productive land near main line railroad; good building material cheap and easy to get; good water, fuel, markets; free range; best proposition yet offered for general farming and stock raising. Write now to Inter-State Land Company, Lock Box 899, Omaha, Nebraska.

FARMS FOR RENT.

IRRIGATED farms for rent. Write for descriptive folder. E. C. Stovall, So. Bend, Young Co., Tex.

FREE COPY of real estate bulletin describing over 100 farm bargains and thousands of acres unimproved land in Minnesota. E. Akerson, Lindstrom, Minn.

FARMS WANTED.

FARMS wanted in the West. What have you for sale? Address the Farmers Land Market, 323 Mermod Jaccard Bldg., St. Louis.

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

FARMS WANTED—Central or western Kansas farm wanted in exchange for No. 1 eastern Kansas stock and grain farm. 480 acres 3/4 miles from Co. seat of Linn Co. Mortgaged for half value due in easy payments. What have you? Addr. Box 90, Virgil, Kan.

SEEDS AND NURSERIES.

WINTER ONION SETS 60c peck. \$1.50 bushel. Not prepaid. John Patzel, North Topeka, Kan.

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

ALFALFA SEED for sale. Pure, clean, new crop Kansas grown alfalfa seed at from \$7.00 per bu. down. F. O. B. Hewins, Kan. Write for samples. R. W. Sanborn, Hewins, Kan.

ALFALFA SEED—Recleaned, home grown, non-irrigated alfalfa seed \$6.60, \$7.20, \$7.80 and \$8.40 per bushel our track. Seamless bags 25c each. Delivered price on request. No weed seeds in this section. The L. C. Adam Mercantile Co., Cedar Vale, Kan.

AUTO SUPPLIES.

40% TO 75% saved on tires. Printed guarantee for 2,500 miles with every tire. Generally run 3,000 to 6,000 miles. Every tire re-made by hand, free from imperfections and blemishes of all kinds. Our prices, 28x3, \$6.87; 30x3, \$7.35; 30x3 1/2, \$10.46; 32x3 1/2, \$10.96; 34x4, \$14.90. All sizes. All makes. Write for free catalogue and price list. Give size used. Peerless Tire Co., 1588(C) Broadway, New York.

DOGS.

WOLF HOUND pups. D. H. Bibens, Larned, Kan.

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

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

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

AGENTS WANTED.

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

HELP WANTED.

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

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

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

GOVERNMENT JOBS open to men and women. \$65 to \$150 month. Vacation. Steady work. Short hours. Common education sufficient. "Pull" unnecessary. Thousands of appointments coming. Write immediately for full particulars and list of positions open. Franklin Institute, Dept S 53, Rochester, N. Y.

MALE HELP WANTED.

GOVERNMENT FARMERS wanted. Make \$125 monthly. Free living quarters. Write, Osment 88 F, St. Louis, Mo.

WANTED—Railway mail clerks. \$75.00 to \$150 month. Details free. Franklin Institute, Dept S 53, Rochester, N. Y.

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

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

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.

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 the retailer's profit. Every customer is a permanent one. Demand constantly increasing. Latest plan. F. M. Hitchcock-Hill Co., 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. All or spare time only. This is an exceptional opportunity for a man in your section to get into a big paying business without capital and become independent for life. Write at once for full particulars. National Co-Operative Realty Company, L-157, Marden Building, Washington, D. C.

COLLECTING AGENCY.

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

OILS.

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

PATENTS.

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

MISCELLANEOUS.

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

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

WANTED—Fresh country eggs; good prices paid; write us. Elgin Butter and Egg Co., 3840 Troost Ave., Kansas City, Mo.

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

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

POULTRY MAGAZINE—Big 40 to 80 page illustrated magazine of practical, common sense chicken talk. Tells how to get most in pleasure and profit from poultry raising. 4 months on trial only 10c. Poultry Culture, 904 Jack-on, Topeka, Kan.

Ground Wheat as a Hog Feed

Will it pay me to grind wheat at 60 cents and feed it to hogs at \$7, with alfalfa hay?—H. D., Clay county, Kansas.

With 60-cent wheat fed to \$7 hogs in connection with alfalfa hay, you should be able to secure an additional profit over and above that received from marketing these feeds in their original form. I would suggest, however, that you feed in connection with the wheat

about 25 per cent of its weight in the form of shorts. Or, if tankage is available, give them a mixture of 10 parts wheat, 3 parts shorts, and 1 part tankage. W. A. Cochel.

Kansas Agricultural College.

Fixing Up the Cow Stable.

Probably about the hardest and least pleasant work for boy or man is cleaning out the cow stable. Every labor-saving improvement that lessens the work of this sort is worth money and it is worth more

than money. It is worth money because it saves time, for one thing. And also because it helps in keeping the cows clean and comfortable. Less work makes it possible to take care of more cows; that means more profits. Cleanliness and comfort for the cows means more milk, too. That also leads up to better profits. It is worth more than money, because cutting down the hard muscle-tiring work will help to keep John and Henry on the farm. It will add to the pleasant side of the dubious of farm life, and subtract from the dubious side. So litter carriers and feed carriers are good hired men. They'll take the heavy end. The milk and butter part of the farm industry is going to be a bigger and bigger

profits producer. We welcome the coming into use of all such appliances as those of the Loudon Machinery Co., 91 Broadway, Fairfield, Ia., that make for better kept cows, purer milk, and less work in handling it.

A steel door frame is being put on the market that will be valuable to people who are building brick, tile or cement silos. It gives them the advantages of the continuous door frame of the stave silo. The wall is built solid into the frame and the door is of the bevel, refrigerator style, with a moisture proof joint. It is made by the Unit Silo Frame Door Co., of Des Moines, Iowa.

MISSOURI

WRITE Morris & Walker for list of south Missouri farms. Mountain View, Mo.

200 A. valley farm, impr. \$20 acre. Maps, views free. Arthur, Mountain View, Mo.

OZARK FARMS. Write Southwestern Land and Immigration Co., Springfield, Mo.

80⁺ ACRES practically all tillable, 4 miles from Amsterdam, Mo. 50 miles south of K. C. Well watered and fenced. No rock. Price \$52 per acre. J. D. Sage, Amsterdam, Mo.

NORTHWEST Missouri farms for sale. Where corn, wheat, clover, bluegrass and alfalfa grow. From 40 to 1,120 acres. Write for particulars. J. W. Everman, Gallatin, Mo.

VALLEY FARMS, \$25 to \$50; unimproved lands, \$6 to \$20; orchard and berry farms, \$40 up; water and climate unexcelled. Literature and free list. **ANDERSON REAL ESTATE CO.,** Anderson, Mo.

SOUTHEASTERN MISSOURI LANDS—If you want to become independent, buy a farm in Scott Co., Mo., in the rich drained lands that raise anything and raise it certain. All we ask is a chance to "Show you." Prices very reasonable. Write F. S. Bice, Oran, Mo.

ONE of Howell Co., Mo., good farms. 279 a.; 170 cult., 9 room house, good cellar. Large barn, other buildings. Orchard, fine water. 3 mi. railroad town, 6 mi. county seat, West Plains, on R. F. D. and phone line. 3/4 mi. school. \$40 a. No trade. A. P. COTRELL LAND CO., Pomona, Howell Co., Mo.

A SNAP FOR THE CASH. 200 acres, 160 fenced, 120 cultivation. 2 1/2 miles to postoffice, 1 mi. to school, 10 to county seat. Good house and barn; everlasting spring, fruit; price \$4,600. Will give terms. **KIRWAN & LAIRD,** West Plains, Mo.

POLK COUNTY FARMS For Sale or Exchange. Ideal climate, pure water, fine pastures, short feeding season, productive soil, prices and terms to suit. **HARRY T. WEST REALTY CO.,** Bolivar, Mo.

Ozark Unimproved Farm Bargain
150 acres of good unimproved farming land, near Van Buren, county seat of Carter Co. Fine pasture land, good for dairy, fruit and in fact you can raise almost anything you can raise in the North. Located in the Ozarks of Missouri. Makes the climate the very best. Excellent water. Price \$10 per acre. For full particulars write **JOHN M. CARNAHAN,** Van Buren, Mo. (County Recorder Carter Co.)

OKLAHOMA

N. E. OKLA. prairie farms. Easy payments. Write J. T. Ragan, Vinita, Okla.

90 ACRES all bottom, 4 miles R. R. town this county. 50 a. cultivation; all tillable. Crop good. Fair improvements. \$32 per a. Southern Realty Co., McAlester, Oklahoma.

FOR SALE—A 440 acre valley farm, very rich land. No overflow. \$5,000 worth of improvements. 3 houses, barns, windmill, etc. 3 mi. from Vinita, Oklahoma. Price reasonable. One-third cash. Sell part if desired. **W. M. Mercer,** Aurora, Ill.

FOR SALE—A bargain in 280 or 340 acres choice rich second bottom land in the Pryor Creek valley in Northwest corner of Mayes County, Oklahoma, 3 1/2 miles Southeast of Chelsea, Oklahoma, in the Chelsea-Alluwe oil fields. All fenced and cross-fenced, over 100 acres in cultivation, balance native meadow. Excellent alfalfa land. Has never failed to produce a crop. Not subject to overflow. Price \$35.00 per acre, one-half cash, balance five years, eight per cent interest. If you contemplate a change, here is a golden opportunity. Address **M. S. RUNYAN,** Owner, Vinita, Oklahoma.

FOR RENT. 500 acres first class bottom land joining Chickasha, Oklahoma. Level, no rock or stumps. Price \$4 per acre cash in advance. This farm is for sale also. Golden Gate Trust Co., Chickasha, Okla.

21 IMPROVED FARMS, just ahead of oil field. Write **FITZ,** Davenport, Okla.

CADDO COUNTY WINS. First on agricultural products at State Fair. Write for information, corn and alfalfa lands. **Baldwin & Gibbs Co.,** Anadarko, Ok.

Come to Oklahoma
Two places adjoining, 120 and 140 acres, each complete, six miles from town on creek, suitable for alfalfa, corn, oats, plenty timber, good water. Fine for stock. For sale at only \$30.00 per acre. Easy terms. Write or see owner. **G. N. UPHAM,** Coffeyville, Kansas.

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.

500 ACRES on Red River between two railroads, 13 miles west of Alexandria, La. 375 in alfalfa, cotton and corn. Buildings alone cost \$10,000. Good work stock and implements. One of the best plantations in Louisiana. **W. H. Ney,** Alifalfa, Louisiana.

LOUISIANA LANDS. We offer some bargains in Louisiana lands near Shreveport. Write for free map of state. **W. A. Jones,** Shreveport, La.

ARKANSAS

160 A. imp. val. farm; 46 cult.; 3 mi. R. R. town; \$13.50 a. **Robt. Sessions,** Winthrop, Ark.

891 A. alfalfa and cotton land; some improved, tracts to suit. \$75 per a. New list free. **Pope Co. R. E. Co.,** Russellville, Ark.

GOVERNMENT LAND. Showing location of 200,000 acres in North Arkansas subject to homestead, 25c. Cold springs of pure water; no negroes, no mosquitoes. **LOCK BOX 381,** Dept. A-2, Harrison, Ark.

MARKET PROBABILITIES

(Written Specially for the Farmers Mail and Breeze.)

Between the hopes of rain and fear that western markets would be flooded with cattle again receipts were below normal the first of the week. The principal decrease was in Kansas City, where only 15,000 were received. Prices were up 10 to 25 cents, and demand was urgent. The supply carried comparatively little beef. Killers are buying freely.

Two factors were prominent in the livestock market last week. The one was drought pressure, and the other was the unprecedented demand for stock, feeding and breeding cattle. These two conditions appear directly opposed to each other, but become less contradictory when the general condition of the country is understood. Much of Missouri, all of Kansas, parts of Oklahoma and Nebraska are drought stricken. They have suffered from deficient rainfall since May, and not only has the grass about given out but stock water is a serious problem. Other than these sections mentioned the country is needing rain but can go some time yet without curtailing livestock operations. Monday of last week Kansas City received 30,000 cattle, and in the week more than 62,000 arrived. Other markets reported normal to slight increases in receipts. The market on Monday became panicky in Kansas City and prices ruled 35 cents to \$1.25 lower in the course of the day. Other markets suffered no such conditions and ruled only slightly lower. Tuesday there was a falling off in receipts and an influx of buyers which continued up to the close of the week and many orders for stock and feeding cattle could not be filled. Close to 29,000 stockers and feeders were sent back to the country from Kansas City and more than 32,000 went for slaughter. Closing prices were firm as compared with the preceding week. The week's market was typical of drought conditions, except that the pressure is in one spot and freedom in buying is permitted by good conditions elsewhere.

How Cattle Sold.

Early last week prices for fat cattle receded 10 to 35 cents, the bulk of the decline showing in Kansas City. Chicago retained a \$9 quotation and the best prices elsewhere ranged from \$8.50 to \$8.85. A large per cent of the western steers sold at \$6.25 to \$7.50, some fed grades as high as \$8.50. Steers from below the quarantine line were quoted at \$4.50 to \$7.50.

On the basis of present conditions much higher prices are to follow for prime, well finished grain fat steers, from September through the entire winter. Corn prices now are at such a high level that the finishing process will entail great expense and short feeding will be the rule. The Northwest is in an excellent position to fatten steers on hay, and Texas and the Southwest will have reserve feed from cotton products and silage. Dressed beef men are predicting that 1914 will see the highest prices ever known for fat steers.

Broad Demand for Feeders.

Last week when it looked as though the cattle market was on the verge of demoralization cattlemen from the central states flooded the market. Prices were advanced 50 cents to \$1.25 in two days, and at those figures demand was greater than the supply. A large number of orders were carried over at the week end. This large demand will continue if weather conditions are anything like favorable. Friday 20 points in Ohio and Indiana reported 1/2-inch rains, Chicago more than 1 inch, and Kentucky 3/4 to 1 1/2 inches earlier in the week. Colorado and the Northwest reported showers to heavy rains. Cattle are needed everywhere and another wave of Kansas selling will mean continued buying.

Big Spread in Hog Prices.

Hogs last week sold at \$7.50 to \$9.25. Prices as high as \$9 and better showed in Chicago and at the same time packers placed small value on rough dry weather offerings, getting many of them below 8 cents. At river markets there was a smaller spread and hogs sold at \$8.25 to \$8.85. Shippers took the big end of the good hogs, and their prices ruled 10 to 30 cents above packers' purchases. Packers are trading quality for a lower price.

ARKANSAS

17,000 ACRES, no rocks, hills or swamps. Any size farms Grant Co. \$1.50 per a. down, bal. 20 yrs. at 6%. Employment. **TETER & Co.,** Op. Union Depot, Little Rock, Ark.

320 A. AND 160 A. 5 mi. Bates, Scott Co., Ark. R. R. town; 2 houses, barns; several hundred dollars worth saw timber. Price \$11.50 per acre. Mtg. \$1,440, 3 yrs. Bal. time or trade. Write **W. F. Colton,** Heavener, Okla.

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

ARKANSAS STOCK FARM. 320 acres, 8 miles from county seat; 50 acres now in cultivation; 50 acres more to put in; fine water and out range; splendid fruit farm. Only \$1,600. Come and look at this. **FRANK BATES,** Waldron, Arkansas.

range and it is the opinion of many that the run will be greatly curtailed in the near future on that account. This past week some sick pigs, rough sows and fat hogs were in the dry weather supply. Another week or two of such shipments will result in greatly reduced supplies in early winter. Kansas is in no position to fatten hogs this winter and feeding in Missouri will be on a smaller scale than last year. Packers will put prices up as soon as dry weather pressure ceases.

Butcher Cattle Closed Stronger.

Butcher cattle prices were higher late last week than at the close of the preceding week. Killers have bought freely, and when "canner" prices fell as low as \$3.50 they hot-footed the yards for the hat racks. Veal calves were off \$1 to \$1.50 and the supply was the largest for some time past. Prime heifers are very scarce. Bulls were down 25 cents.

Sheep Market Free of Drouth.

There were no signs of drouth pressure in the sheep market. Prices closed the week with a net advance of 25 cents and receipts were moderate. Practically the entire surplus has been shipped out of the corn belt and the range region is in condition to move its surplus by easy stages. It is the season of the year when larger supplies are due and feeder buyers are becoming rather impatient at the delay. Montana, Utah and Wyoming have marketed some lambs but they were fat enough to attract bids from killers. Contracts are being closed in New Mexico for feeding lambs at \$5 to \$5.50 and sales at markets were reported at \$5.75 to \$6.50. A scarcity of beef and pork this winter would be of great advantage to mutton furnishers. A year ago Omaha, Chicago and Kansas City reported big receipts of feeding lambs.

The Movement of Livestock.

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

	Cattle	Hogs	Sheep
Kansas City	62,200	49,500	20,700
Chicago	39,800	118,500	86,500
Omaha	13,500	55,900	49,500
St. Louis	24,850	41,100	23,500
St. Joseph	8,800	30,600	12,500
Total	149,150	295,600	192,700
Preceding week	132,600	272,800	219,650
Year ago	158,600	243,000	246,525

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	557,880	485,833	72,050	.....
Hogs	1,565,610	1,583,337	.....	17,727
Sheep	595,173	618,918	.....	23,745
H. & M.	83,304	99,587	.....	16,383
Cars	44,040	44,085	.....	45

The following table shows the receipts of cattle, hogs and sheep in Kansas City thus far this year and the same period in 1912:

	1913	1912	Inc.	Dec.
Cattle	984,217	847,877	136,340	.....
Calves	60,403	69,875	.....	9,472
Hogs	1,571,529	1,643,262	.....	71,733
Sheep	1,134,295	1,192,357	.....	58,062
H. & M.	54,000	47,306	.....	842
Cars	66,608	63,368	.....	3,240

The following table shows receipts of livestock in St. Joseph thus far this year compared with the same period in 1912:

	1913	1912	Inc.	Dec.
Cattle	249,110	265,818	.....	6,708
Hogs	1,078,329	1,330,277	.....	251,948
Sheep	463,515	402,578	.....	60,937
H. & M.	18,782	27,181	.....	8,399
Cars	27,511	30,434	.....	2,923

The following table shows receipts of cattle, hogs and sheep at the five western markets, Monday, August 11, together with totals a week ago, and a year ago:

	Cattle	Hogs	Sheep
Kansas City	15,000	5,000	6,000
Chicago	15,000	40,000	37,000
Omaha	3,500	6,500	19,000
St. Louis	8,000	8,500	9,000
St. Joseph	1,600	3,800	1,800
Totals	43,100	63,800	72,800
A week ago	62,200	69,800	46,600
A year ago	53,200	45,900	63,800

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

	Cattle	Hogs	Sheep
Per 100 lbs.	1913 1912	1913 1912	1913 1912
Chicago	\$9.20 \$9.85	\$9.35 \$8.52	\$5.90 \$5.60
Kan. City	8.75 9.75	8.90 8.35	5.50 5.00

Horse Market Holds Strong.

Demand for horses continues active. At times plain quality of the offerings resulted in a slowing down but whenever buyers found the kind they needed deals were closed quickly. Prices are firm. Continued light receipts hold the volume of business to small proportions. The East is buying more freely than the West and the South is showing signs of reviving interest.

Grain and Feed Prices Higher.

Drouth conditions set the corn market in a state of excitement and at this time the trade has been modified only by a

fear that the rapid advance in prices has been carried to the limit. Since August 1, the crop has been subjected to extremely adverse weather conditions and rapid deterioration has occurred. Barely enough old corn is coming to meet most urgent requirements, and at the week end close with showers predicted for practically the entire corn belt the market is firm, with prices 4 to 5 cents higher than last week. All grain men figure a year of high corn prices ahead. The greatest crop deterioration has occurred in Kansas, Oklahoma, Nebraska and Missouri. Texas corn is made. In Kansas corn in extreme cases is selling up to 80 cents though 73 1/2 cents was the highest price at any of the central markets. Prices are expected to be lower in December than at the present time, as the farm reserves of old corn now are the largest of the past three years. Bran, shorts and all ground feeds were higher. Wheat was up 2 to 3 cents a bushel. The flour trade is active. Oats are quoted firm.

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

	Wheat	Corn	Oats
	1913 1912	1913 1912	1913 1912
Chicago	92c \$1.10	72 1/2 74	42 52
Kan. City	85c .97	78 78	43 38

Big Advance in Hay.

Hay prices moved up 50 cents to \$2.50 a ton, the greatest advance showing in prairie, timothy and alfalfa. Demand is broad and receipts were increased by higher prices. Big cities throughout the country are buying freely. The West, especially irrigated sections have a large crop of alfalfa and the timothy crop is good. Prairie hay is rather scarce.

The Government Crop Report.

The dry, hot weather in July reduced the prospect for the corn crop 11 per cent. This report was based on information mailed to the crop reporting department August 1, and the 10 days since then has seen further shrinkage in the condition. Corn promised 3 billion bushels on July 1, and was cut to 2,672 million bushels August 1. The Kansas condition in those 31 days fell from 81 per cent to 30 per cent, Oklahoma fell 43 per cent, Missouri 15 per cent, Nebraska 14 and 13 per cent. The further deterioration in the past ten days leaves present prospect for less than 2,600 million bushels.

The corn yield indicated by the government August report in the surplus corn states is as follows:

	1913	1912
	Bushels Est.	Bushels final
Illinois	302,000,000	426,320,000
Iowa	323,000,000	349,139,000
Missouri	196,000,000	238,794,000
Nebraska	187,000,000	255,119,000
Kansas	75,000,000	204,150,000
Texas	158,000,000	162,863,000
Oklahoma	78,000,000	152,692,000
Indiana	165,000,000	172,409,000
Ohio	143,000,000	142,088,000

In 1911, the corn crop was 2,531 million bushels and in the unprecedented drouth year of 1901 only 1,522 million bushels were produced.

The government estimates the wheat crop at 744 million bushels or within 4 million bushels of the largest crop on record, that of 1901. Other crops are:

Oats	1,028 million bushels.
Barley	168 million bushels.
Rye	35 million bushels.
Buckwheat	17 million bushels.
Potatoes	339 million bushels.
Flax	20 million bushels.
Rice	27 million bushels.
Hay	64 million tons.
Tobacco	896 million pounds.

Butter, Eggs and Poultry.

Elgin, Aug. 11.—Butter this week is firm at 26 1/2 cents. Kansas City, Aug. 11.—Prices this week on produce are: Eggs—Firsts, new white wood cases included, 20c a dozen; seconds, 12c. Butter—Creamery, extras, 26c a pound; firsts, 25c; seconds, 24c; packing stock, 21c. Live Poultry—Broilers, 15 1/2c a pound; spring chickens, 14c; hens, No. 1, 11 1/2c; No. 2, 8c; roosters, 9c; young turkeys and turkey hens, 17c; young ducks, 10c.

Produce Prices Now and One Year Ago.

	Butter	Eggs	Hens
	1913 1912	1913 1912	1913 1912
Chicago	26 1/2 25	20 18	14 13 1/2
Kan. City	26 24	20 18	11 1/2 11 1/2

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WHAT BREEDERS ARE DOING

FRANK HOWARD,
Manager Livestock Department.

FIELDMEN.

A. B. Hunter, S. W. Kansas and Oklahoma, 1124 So. Market St., Wichita, Kan.
John W. Johnson, 820 Lincoln St., Topeka, Kan., N. W. Kansas and S. Nebraska.
C. H. Walker, N. E. Kansas, N. Missouri, 3632 Flora Ave., Kansas City, Mo.
Geo. W. Berry, N. Nebraska and W. Iowa, Capor Blvd., Topeka, Kans.
Harry W. Graham, E. Iowa and Illinois, Chillicothe, Mo.
Ed R. Dorsey, S. E. Kansas and S. Missouri, Girard, Kans.

PUREBRED STOCK SALES.

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

Poland China Hogs.

Sept. 5—Jas. T. Ellis, Adrian, Mo.
Sept. 6—J. C. Stalter, Jasper, Mo.
Sept. 17—L. R. McClarnon, Braddyville, Ia.
Oct. 1—D. C. Loneragan, Florence, Neb.
Oct. 4—Frank Rainier, Logan, Ia.
Oct. 10—Dietrich & Spaulding, Richmond, Kan.
Oct. 21—H. B. Walter, Effingham, Kan.
Oct. 15—R. B. Davis, Hiawatha, Kan.
Oct. 16—J. M. Nesbitt, Aledo, Ill.
Oct. 17—Thos. F. Walker & Son, Alexandria, Neb., at Fairbury, Neb.
Oct. 18—Lambert Bros., Smith Center, Kan.
Oct. 20—Roy Johnston, South Mound, Kan.
Oct. 22—H. C. Graner, Lancaster, Kan.
Oct. 23—U. S. Byrne, Saxton, Mo.
Oct. 25—J. H. Hamilton & Son, Guide Rock, Neb.
Oct. 25—J. W. Leeper, Norton, Kan.
Oct. 27—Herman Groninger & Sons, Bendena, Kan.
Oct. 28—W. R. Webb, Bendena, Kan.
Oct. 28—Joe Hemmy, Hill City, Kan.
Oct. 29—Walter Hildwein, Fairview, Kan.
Oct. 30—Harry Wicks, Peculiar, Mo.
Nov. 3—Merton Williams, Valley Falls, Kan.
Nov. 3—Joe Schneider, Nortonville, Kan.
Nov. 5—R. B. Davis, Hiawatha, Kan.
Nov. 6—W. E. Epley, Diller, Neb.
Nov. 7—U. S. Byrne, Saxton, Mo.
Nov. 8—John Naiman, Alexandria, Neb., at Hebron, Neb.
Nov. 15—John Kemmerer, Jewell, Kan.
Feb. 3—J. H. Hamilton & Son, Guide Rock, Neb.
Feb. 10—H. B. Walter, Effingham, Kan.
Feb. 11—H. C. Graner & Son, Lancaster, Kan.
Feb. 12—Thos. F. Walker & Son, Alexandria, Neb., at Fairbury, Neb.
Feb. 13—J. E. Wills, Prairie View, Kan.
Feb. 13—W. E. Epley, Diller, Neb.
Feb. 14—J. F. Foley, Orinogue, Kan.
Feb. 17—L. E. Klein, Zeandale, Kan.
Feb. 18—J. H. H. rter, Westmoreland, Kan.
Feb. 19—J. L. Griffiths, Riley, Kan.
Feb. 24—M. T. Shields, Lebanon, Kan.
Feb. 27—W. A. Davidson, Simpson, Kan.

Duroc-Jersey Hogs.

Aug. 27—W. A. Williams, Marlow, Okla.
Oct. 17—Moser & Fitzwater, Goff, Kan.
Oct. 20—A. T. Cross, Guide Rock, Neb.
Oct. 31—A. M. Rinehart & Son, Smith Center, Kan.
Nov. 1—N. B. Price, Mankato, Kan.
Nov. 5—W. E. Monasmith, Formoso, Kan.
Nov. 7—Leon Carter, Asherville, Kan.
Jan. 23—J. J. Hartman, Elmo, Kan.
Jan. 26—Ward Bros., Republic, Kan.
Jan. 28—W. E. Monasmith, Formoso, Kan.
Jan. 29—N. B. Price, Mankato, Kan.
Jan. 30—Geo. P. Phillip, Lebanon, Kan.
Jan. 31—A. M. Rinehart & Son, Smith Center, Kan.
Feb. 3—Howell Bros., Herkimer, Kan.
Feb. 4—Moser & Fitzwater, Goff, Kan.
Feb. 5—Samuelson Bros., Cleburne, Kan.
Feb. 6—Leon Carter, Asherville, Kan.
Feb. 7—E. G. Munsell, Herington, Kan.
Feb. 9—E. A. Trump, Formoso, Kan.
Feb. 10—Agricultural College, Manhattan, Kan.
Feb. 11—Thompson Bros., Garrison, Kan.
Feb. 20—John Emigh, Formoso, Kan.
Feb. 21—Dana D. Shuck, Burr Oak, Kan.
Feb. 25—A. T. Cross, Guide Rock, Neb.

O. I. C. Hogs.

Feb. 18—H. L. Bode, Friend, Neb.
Feb. 19—Chas. H. Murray, Friend, Neb.

Hampshire Hogs.

Nov. 4—H. D. DeKalb, DeKalb, Ia.

Galloway Cattle.

Sept. 16—C. D. McPherson, Route 2, Topeka, Kan.

Shorthorn Cattle.

Oct. 14—C. J. McMasters, Altona, Ill.

Angus Cattle.

Oct. 22—W. F. Eckles, Green City, Mo.

Hereford Cattle.

Dec. 30-31—Mousel Bros., Cambridge, Neb.
Feb. 12-13—Nebraska Hereford Breeders' association, at Grand Island, Neb.

Percheron Horses.

Sept. 16—C. D. McPherson, Route 2, Topeka, Kan.

S. W. Kansas and Oklahoma

BY A. B. HUNTER.

The writer recently called on H. H. Holmes, Great Bend, Kan., a Shorthorn breeder whose herd gives promise of numerous winners. The fact that Uncle Tom Minton is herdsman for Mr. Holmes is prima facie evidence of the good qualities of this herd.

Last Call to Williams's Sale.

Remember W. A. Williams will sell at Beaver Valley Farm near Marlow, Okla., Wednesday, August 27, 40 head of Duroc-Jerseys and to those who are acquainted with Mr. Williams and who have taken note of his unusual winnings at the Oklahoma State Fair for the last three years there can be little doubt but this will be the

greatest chance to buy breeding stock ever offered to the Duroc breeders of the South-west. Most of this offering is either bred to or sired by the three times grand champion, Grand Master Col. II. To the breeders who want the best we especially invite attention to this sale. In writing please mention this paper.

Automobiles and State Fair.

The people of central and western Kansas no longer depend on railroad excursions to decide whether they are to attend the Kansas State Fair at Hutchinson. A large per cent of the farmers and townsmen of this section have their own conveyances in the way of automobiles and are independent and free to come and go as they choose over the level and well kept roads for many counties around. As proof that the people of this section of Kansas can afford their own conveyances is the fact that the farms of Reno and 10 other surrounding counties produced in the 10 year period ending with 1912, \$486,146,578 worth of products. Hutchinson is located just a few miles east of the center of the state, east and west, and a noticeable feature of the patronage of the Hutchinson fair has always been the large per cent of people from the western territory who attend each fair. Mr. A. L. Sponsler, secretary of the Hutchinson State Fair this year, extends a special invitation to every motorcyclist and automobilist of the state to be with us September 13 to 20 and see the greatest state fair that Kansas has ever held.

A Great Cattle Bargain.

To those who want purebred cattle, either Hereford or Shorthorns, and especially those who can use one or more carloads. Mr. Frank Rockefeller of Belvidere, Kan., is in position to interest you both in price and

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ELK GROVE Shropshires!
Imported Delta, sire of show flock winning 100 prizes, 1912, assisted by Wordwell's Kedge, by Tysul Champion at head of flock. For sale—50 rams, including 30 yearlings and Wordwell's Kedge, and 20 lambs. Send for catalog.
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Truman's Pioneer Stud Farm
America's Largest Importers
Shire, Percheron and Belgian Horses
Write for Illustrated Catalogue.
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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.**



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German Coach Stallions at prices you will be able to pay for at one season's stand. Also mares and fillies; all good bone with plenty size, style and action and the best general purpose horse that has ever been imported. The St. Louis Fair Champion Milon 3159 and the Kansas State Fair prize winner Mephistoles 4221 at head of herd. We are pricing these horses to sell and guarantee satisfaction. Write today or call soon.
J. C. BEGNER & SONS, Waldock Ranch, PRATT, KANSAS.

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Shipping point Address: **E. S. Talliaferro, Russell, Kansas**

18 Ram lambs for sale. Also young ewes, from yearlings up. Everything registered.



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In order better to introduce the Guernseys in the West, we will make attractive prices on young bulls and cows and heifers, bred and open. Special inducements to new breeders in herd foundation material.
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Eight miles S. W. of Kansas City on Strang Line. Station on Farm.

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LIVESTOCK AUCTIONEERS.

CHAS. M. SCOTT Livestock Auctioneer. Thoroughly posted on pedigrees and values. Formerly of Scott & Singer, Poland China breeders. Hiawatha, Kan.
Spencer Young, Osborne, Kan. Livestock Auctioneer. Write for dates.

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

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

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Write for prices on breeding stock.

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Red Polled Cattle Cows and heifers for sale. No bulls over six months. Poland China big type registered fall boars. Write **CHAS. MORRISON & SON, Phillipsburg, Ks.**

Red Poll Females of all ages, choice individuals, show animals, priced to sell. A few choice bulls, also Duroc-Jersey swine, sows and gilts, bred for early fall farrow. Boars any age by our choice herd boars. Ask for testimonials.

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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.**

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Imported and home-bred, absolutely equal to the best.

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Polled Durham Bulls
Six well bred young bulls and a limited number of cows and heifers for sale.

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Polled Durhams
Headed by the undefeated Roan Hero, shown since a calf at International, American Royal and State Fairs, assisted by the superb show bull Acacia Prince. For sale at most all times young-bulls to head herds and foundation stock. Look for my exhibit at the State Fairs.

D. C. VAN NICE, RICHLAND, KANSAS.

SHORTHORNS.

10 High Class Scotch and Scotch Topped Shorthorn Cows of dairy quality, for sale, also two extra fine 10-months-old bulls. One by Baron Cumberland, the other, a show prospect, by Silk Goods.

DR. W. C. HARKEY, Lenexa, Kan.

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HOLSTEIN Cattle
During the next 60 days I will sell:

125 High-grade, well-marked Holstein heifers, age one year to 1½, just being bred to a high class registered bull.

250 High-grade, well-marked Holstein heifers, ranging from 2 to 3 years old, all bred to extra good registered bulls, to freshen from Aug. 1 to Dec. 1, 1913.

100 Matured cows, springing bag ready to freshen. Most of them in calf from registered bull.

40 Select, well-marked registered bulls, extra nice individuals, ages from 6 months up.
A few good registered cows in calf by an A. R. O. bull. Write me for particulars.

JAMES DORSEY, Dept. M. B., Gilberts, Kane Co., Illinois

cattle. This is one of the greatest herds of milking strain families of Shorthorns to be found anywhere. Of the 300 head of Shorthorns offered for sale 200 head are polled and eligible to registry in both associations. The 200 Herefords are unusually good. These cattle have been produced by using the best foundation breeding animals that money could buy as Mr. Rockefeller has made a habit of topping the greatest sales held in America. And you now have an opportunity to reap a rich harvest from this great outlay of money and breeding ability. You will not be asked to pay these great prices although the animals are outstanding. It is useless to go into detail in this reader describing this herd of cattle, either Herefords or Shorthorns other than to say the writer has visited Mr. Rockefeller and has seen these cattle and if you want cattle, don't wait, it will pay you to go to or write Mr. Rockefeller today. Please mention this paper.

N. W. Kansas and S. Nebraska
BY JOHN W. JOHNSON.

E. G. Munsell, Herington, Kan., proprietor of Quivera Place Durocs, is offering Duroc-Jersey pigs for sale and will give you prices and descriptions upon application. His herd is located at the north edge of town and visitors are always welcome. Let him make you prices on anything you need in that line.

Bargain Prices on O. I. C's.
In this issue will be found the advertisement of F. C. Gookin, Russell, Kan., who is the well known O. I. C. breeder at that place. He is offering four choice gilts for sale and is ready to book orders for fall sale. He recently bought of Chas. Murray, Friend, Neb., a very fine boar of U. S. breeding. He is more than pleased with him and is thinking of showing him at Topeka this fall. Mr. Gookin has recently sold to the Oklahoma government school, a fine boar pig. Write Mr. Gookin about a gilt or for prices on fall pigs. Mention Farmers Mail and Breeze when writing.

N. E. Kansas and N. Missouri
BY C. H. WALKER.
Big Polands That Are Big.
Much has been said and written of the really big type Poland Chinas, many claims have been made regarding the weights, measurements, etc., of different boars and sows, but coming right down to brass tacks the Mammoth Polands as bred by F. P. Robinson of Maryville, Mo., are just as big as any Poland Chinas in the country. This statement is made without in the least being prejudiced in favor of the Robinson hogs. Seeing is believing and the herd is open for inspection at all times. The bigness of the boars and sows was impressed upon the writer at a recent visit. Old Pawnee Pete, undoubtedly one of the biggest boars living today, was taking it easy in his "off show season" flesh and he looked as big as a house. Lots of boars when seen at the fairs in all their bloom look big and are big. Few of them can carry their size after being reduced and the big flesh taken off. Pawnee Pete is one that is big and looks big at all seasons of the year. He is an unusual hog in every respect and the Robinson herd has been built around this great old sire. The show sows that caused so many favorable comments at the shows about how good they were and how it did not seem possible to get them so big and fat, came home and farrowed big litters of big pigs and now in good breeding condition show up big. The spring crop of pigs in the Robinson herd is the best lot ever bred there. Fred Jamison, the herdsman and farm manager, than whom there are few better in the country, has the herd in fine shape and everything points to the biggest year they have had for a long, long time. An unusually happy hit was made when they secured Monticello Boy to cross on the get of Pawnee Pete, Prince Tom and the other big boars in this herd. Monticello Boy was first prize winner at Sedalia last year. He is a little different type from the boars used heretofore in the Robinson herd and the result of the cross shows more quality and finish without losing any of the size. He has nicked especially well and the pigs by him out of mammoth sows are simply corkers. It would take up too much space to go into detail regarding the individual merits of the herd. Suffice it to say that buyers will find a great lot of both boars and gilts and of the most approved lines of breeding. At the present Mr. Robinson is offering a few sows sired by Spotted King (by Long King's Equal) and out of

HOLSTEINS.

FOR SALE—Holstein herd bull, 5 yrs. old; also bull calf. **G. E. BERRY, Garretts, Kansas.**

Bonnie Brae Holsteins

For sale, about 80 head of high grade young cows, 2-year-olds and bred yearlings. These cattle are strictly first class, with many heavy springers. Come and see them. **IRA ROMIG, Sta. B, TOPEKA, KANSAS.**

HOLSTEINS.

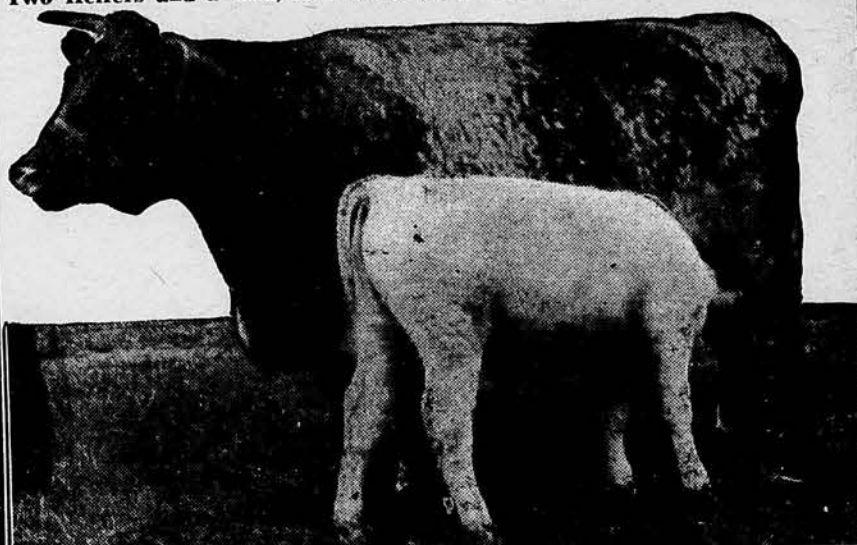
HOLSTEINS Large type, State inspected and tuberculin tested. Fine registered bulls, cows and heifers; also 100 grade cows and heifers. **M. F. Knudsen, Concordia, Kan.**

HOLSTEIN CATTLE High grade Dairy cows and heifers sold in lots to suit purchaser. Special prices on car lots. The best of milking strains and at prices you can afford. Write today. **W. G. MERRITT & SON, Great Bend, Kan.**

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Sold on Time at Private Treaty

Six or nine months if desired. What we want is your trial order. **Young Heifers and Bulls at \$50, \$75, \$100 and up. Two Heifers and a Bull, not related, \$200 for the three—Others higher.**



Over 200 Head From Which to Select

A great variety of prize winners and prize winning blood. 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, Blaine Co., Okla.

Rockefeller Disperses Herefords and Shorthorns 500 HEAD TO SELL at Private Treaty

300 Shorthorns -:- 200 Herefords

The greatest opportunity to buy pure bred cattle ever offered in this country.

This offering consists of cows, heifers and calves that carry the most fashionable blood of these breeds. Every animal is registered and two-thirds of the Shorthorns are Polled and registered in both associations.

The best breeding animals from America's greatest herds have been bought and used as a foundation for these two herds, regardless of expense. A striking feature of both herds is the splendid quality combined with unusual bone and scale. This herd has been so carefully selected for the last 20 years that it is practically a dairy herd. They are in excellent breeding condition but nothing pampered. A nurse cow has never been used on this farm. Every animal sold accompanied by health certificate of inspection issued by State of Kansas.

8,500 Acres of Land

The best improved and stream watered land in Kansas. The extent of finely constructed buildings on this farm is not equalled in any western state.

Both cattle and land should be seen to be rightly appreciated. 60 Buffalo, either sex and various ages also sell. Write your wants. Do it today, or call soon.

FRANK ROCKEFELLER, Belvidere, Kans.



W. A. WILLIAMS MARLOW, OKLAHOMA. Owner of Grand Master Col. II 94903, three times a grand champion at the Oklahoma State Fair. A sale of sows by and bred to him will be held at Marlow, Okla., Wednesday, August 27, 1913.

DAIRY CATTLE

18 Holsteins 10 Guernseys
All good cows and will freshen soon.
JACK HANDEL, 215 Adams Street, TOPEKA, KANSAS.

Holstein Bred Cows and Heifers
"RIGHTY HEAD"
Choice individuals personally selected, Wisconsin bred...

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

OAK HILL HOLSTEINS
Bulls ready for spring service by Shadybrook Gerben Sir Korndyke out of A. R. O. dams...

BANKS' FARM JERSEYS
Quality with milk and butter records. One of the best sons of CHAMPION FLYING FOX...

The Jersey
The Jersey gives richer milk and more butter than any other known breed...

ABERDEEN-ANGUS
DENTON'S Angus Bulls all sold but a fine lot coming on for fall trade...

ANGUS CATTLE
Bulls and females for sale; singly or in carload lots. Address SUTTON & PORTEOUS Lawrence, Kan.

MULE FOOT HOGS
Mule-Footed Hogs The coming hog of America; hardy; resist disease...

MULE FOOT HOGS
More premiums won in 1912 than any herd in U. S. Spring boars and gilts and pigs in pairs not related...

O. I. C.
50 O. I. C. Pigs
O.I.C. Boar Pigs HARRY HAYNES, Meriden, Kansas.

Maple Leaf Improved Chester Whites
All ages, the hardy; resist disease; the best rustlers known; pigs in sixteen weeks old, \$30 pair. Circular free.

100 Spring Pigs, early farrow (both sexes)
and choice yearling boars. Ask for prices now. Well grown and extra good. Immune. Chas. H. Murray, Friend, Neb.

RUSSELL'S O. I. C.'s
February and March pigs ready for shipment. The large prolific type. Satisfaction guaranteed. H. B. RUSSELL, Sedgewick, Kan.

Edgewood O. L. C.'s
March and April boars sired by Vales Murr 2002 by the great 4B. Also tried bred sows. Fancy Early June boars sired by noted U. S. 1722, out of 450 lb. 5-year-old sow. HENRY MURR, Tonganoxie, Kan.

GOOKIN'S O. I. C. HOGS
Four choice gilts for sale. Booking orders for fall pigs. F. O. GOOKIN, RUSSELL, KANSAS.

50 O. I. C. Pigs for Sale
Sired by my leading herd boars. Write for prices and descriptions. Andrew Kosar, Glasco, Kan.

NEEF'S CHOLERA IMMUNE O. I. C.'s
Spring pigs of either sex in pairs and trios no kin. Also tried sows and fall gilts bred fall farrow. Pure bred wheat, seed rye and Collie pups for sale. Riverside Farms, J. H. Neef, Boonville, Mo.

HAMPSHIRE.
REGISTERED HAMPSHIRE PIGS FOR SALE. Priced to move quickly. DR. E. G. L. HARBOUR, BALDWIN, KANSAS.

WRITE J. F. PRICE, Medora, Kans.
For prices on Pedigreed Hampshire Hogs

Pedigreed Hampshires of various ages. Boars at weaning time only. Every hog properly vaccinated. C. E. Lowry, Oxford, Ia.

Pure Bred Hampshires
Some extra choice, well-bred spring boar pigs for sale. ALVIN LONG, Lyons, Kansas.

SUNNY SLOPE FARM
Regards Mail and Breeze space as a good advertisement, but a satisfied customer as a much better one. We offer high bred, well-bred Hampshire hogs on a money-back plan. That's the only way we sell. Let's get acquainted. FRANK H. PARKS, OLATHE, KANSAS.

Pawnee Pete sows bred for last of September farrow to Monticello Boy; a few open yearlings by Pawnee Pete; three choice last fall boars by Pete's Best and Spotted King and a great line of spring boars and gilts sired by Tom's Model, Prince Tom and Monticello Boy. In addition to the good individuals bred in the purple, buyers from this herd get the advantage of Mr. Robinson's iron clad guarantee that all stock bought on mail order is subject to inspection at the buyer's end and the money back if it fails to please. Write Mr. Robinson now if in the market for something really good and something—really big.

S. E. Kansas and S. Missouri
BY ED. R. DORSEY.

R. C. Watson, Altoona, Kan., is offering Duroc-Jersey spring pigs sired by R. C. Buddy, Watson's Colonel and Model Top. These pigs have all been vaccinated and are in first class condition. His prices are reasonable as you will note by reference to his ad in this issue. If interested, write him.

Roy Johnston of South Mound, Kan., is fitting up the best lot of pigs he ever placed before the public, which he will sell on the 20th of October. Buyers will be represented from at least a dozen states because they all know what to expect at one of Roy Johnston's sales. He has been selling pigs for several years and they have gone to nearly every state in the Union. He has sold several thousand to the breeders of America and other countries. He stands second to no one breeding Poland China hogs. Mr. Johnston has the reputation of handling his business in a business-like way.

Breeders do not overlook the two opening sales of Poland Chinas of 1913 at Adrian, Mo., and Jasper, Mo. The first will be held by J. T. Ellis (successor to A. J. Erhart), Adrian, September 5, and the following day J. C. Stalter of Jasper will sell. We do not hesitate to invite breeders all over the corn belt to these two great sales. They are worthy of the best patronage. These will be the greatest bargain days of the entire season for strictly high class hogs. These are the opening sale dates. Not much has been said about hogs, later the interest will grow but now is the time to do business and do it with two great herds. Col. Jas. Sparks opens the sale. Send bids direct to him or to either of the breeders. They are strictly honest and it's just as safe to send a bid to them as it is to anyone.

The Green Lawn Herd is Good.
Again we visited the Poland China herd of J. T. Ellis of Adrian, Mo., who sells September 5. The 25 fall yearling sows that are to be sold in this sale are "corkers." We wish we possessed the power of pen to make every breeder see just how good these sows are. In the North where we saw sales average \$35 to \$150 we are positive no one sold 25 better fall sows than will be sold in this sale. It's no wonder, they have license to be great, they came from two of the greatest herds in the state. Mr. Ellis purchased these pigs last fall of Mr. Erhart when he paid \$54,000 for the Green Lawn Stock Farm and the Poland China herd. Mr. Ellis sells 25 males in this sale, a few extra good fall yearlings and the rest are spring pigs. The sale will be held at the same place that A. J. Erhart & Sons always sold, just three blocks from the depot. The fare from Kansas City is about \$1.25. The next day J. C. Stalter will sell another high class offering at Jasper, Mo. Attend both sales at one expense.

The D. & S. Poland China Offering.
Dietrich & Spaulding of Richmond, Kan., are offering in this issue of Farmers Mail and Breeze, 10 of their best brood sows. The simple announcement of this offering should be sufficient to bring buyers for these sows from all over the country, because there is not a firm in the country that is better known than the above and there is no firm that carries a better line of brood sows in their regular breeding herd. These sows are in the 600 class when fat. They are all bred for fall litters to the noted breeding boar Gold Mine. Dietrich & Spaulding have used many boars of rich and breeding experience but have never had a boar at the head of their herd that has been a better producer than Gold Mine. His litters run large and the pigs are big, husky fellows with lots of vitality and quality. Last week three sows farrowed litters by him; Kansas Ann farrowed 11; Hutchess, 8; and Our Choice, 9, and they are all extra good pigs. Besides the 10 brood sows the offering includes some extra good fall boars sired by Pan Look and out of two of the best brood sows on the place. One litter contained 10 pigs and the other 9. This time last week shipped three show pigs to Oregon to be shown at the state fair and perhaps later, at the Panama-Pacific Exposition. If interested in either the brood sows or fall boars write Dietrich & Spaulding, and mention this paper.

Editorial News Notes.

Thursday, September 4, is the date announced for the opening of the fall term of the St. Louis Watchmaking School, 5815 Easton avenue, St. Louis, Mo.

The Clipper lawn mower is built on such a principle that it absolutely kills crabgrass, plantain and other obnoxious weeds. It cuts where other mowers merely slide over these pests. If you are interested in making an attractive lawn, why not write to the Clipper Lawn Mower Co., Box 10, Dixon, Ill., for full particulars on their mower?

Baldwin & Gibbs Co., of Anadarko, Okla., among the old and persistent advertisers in the Farmers Mail and Breeze, have just renewed their contract for another year. They are located in one of the best alfalfa sections of the entire country. Prices are still far below the actual producing value of the land. Write for their new list and descriptive literature.

This Firm Sells Land.

The manager of the Mansfield Land Company of Ottawa, Kan., is Wilber J. Mansfield. D. L. Casida has charge of the cash sales of land. Frank B. Mansfield in full charge of the loans and insurance. Thomas T. Mansfield has charge of the land exchanges. This firm has agents working

GUERNSEYS.
A GUERNSEY HERD BULL FOR SALE.
I am offering Turkey Lester, my registered herd bull for sale. No fancy price. JOHN FERRENOUD, HUMBOLDT, KAN.

BERKSHIRES.
Hazlewood's Berkshires!
Choice spring boars and gilts priced to sell. Write today. W. O. Hazlewood, R. 6, Winfield, Kansas

J. T. BAYER'S BERKSHIRES
Eighty early spring pigs by Bayer's Beacon and B. D's Centerpiece, 30 extra fine sows and gilts bred and open, four Winter and Fall males. Fricing to sell. Write for prices. J. T. BAYER, YATES CENTER, KAN.

BIG TYPE UNPAMPERED BERKSHIRES
150 sows bred to Fair Rival 16th, King's 4th Masterpiece, Tractype King's Tractype, and the great show boar King's 14th Masterpiece. All long, large and heavy boned. Sows farrow from August 1st to December 1st. Open gilts and boars ready for service. Not a poor back or foot. Every man his money's worth. E. D. KING, Burlington, Kansas

DUROC-JERSEYS.
MODEL AGAIN Duroc boars, \$12.00
Baby gilts, \$25.00
Bred gilts, \$30.00. R. W. Baldwin, Conway, Kan.

TAYLOR'S SPRINGDALE DUROCS
Spring pigs for sale from ancestors that were leading State Fair winners in 1911 and 1912. Fall gilts same breeding and quality. Chas. L. Taylor, Olean, Mo.

E. A. TRUMP, Formoso, Kan.
Breeder of fashionable Duroc-Jerseys
Stock for sale at all times. Write for prices and descriptions.

A FINE OFFERING Pigs by R. O. Buddy, Watson's Col. and Model Top. Vaccinated and priced to sell. E. C. WATSON, Altoona, Kansas.

Clearview Stock Farm Durocs
All ages. A few open gilts, also tried sows, bred for September and October farrow. Spring pigs, pairs or trios. Satisfaction guaranteed on mail orders. A. J. HANNA, ELMDALE, KANSAS.

Red, White and Blue Duroc Farm
Priced from Taylor's Erize Winners. 25 early Duroc Jersey pigs from prize winners of State Fairs. \$20 for one, \$37 for two, \$50 for three. Bred sows \$25 to \$35, for August farrow. Fall boars \$30.00. J. L. TAYLOR, Olean Missouri.

Deep Creek Herd Durocs!
Orders taken now for early spring pigs, dams either state fair prize winners or sired by prize winners. Write for low prices. C. O. ANDERSON, MANHATTAN, KAN.

Big-Type DUROCS
Fall gilts bred or open. Booking orders for spring stock. Monarch, Wonder, Col. and Buddy strains. Fall sale Oct. 17. MOSER & FITZWATER, GOFF, KANSAS

Big Stretchy Durocs
A choice lot, either sex, for sale, also S. C. White Leghorns, extra fine stock. HARRY GIVINS, Madison, Kansas

PERFECTION STOCK FARM
Duroc-Jersey boars, Nov. and Dec. farrow, sired by sons of B. & C's Col.; Buddy K IV and Grand Master Col. First Choice \$25; Second choice, \$20 for next 30 days. Weight 150 to 175 lbs. CLASEN BROS., Union City, Oklahoma

Good E. Nuff Again King 35203
Heads our great herd. Sale average: March 11, sows, \$77.50, sows and gilts, \$62.00. Write for prices. W. W. OTEY & SONS, Winfield, Kansas

ILES' Farm Duroc-Jerseys
A selected lot of early boars and gilts sired by and out of prize-winning boars and sows. The big kind with quality and guaranteed to please. Priced right. Visitors met by appointment at Everest or Pierce Junction. R. C. ILES, Everest, Kansas

Quivera Place Durocs
Spring Pigs now ready and going. Write for prices. E. G. MUNSELL, Herington, Kansas.

Royal Scion Farm Durocs
The great Graduate Col., assisted by Col. Scion, heads this herd. Spring and fall boars, some of them show and herd header material; also a few gilts and spring pigs, either sex. G. C. Norman, R. 10, Winfield, Kan.

BERKSHIRES.
LEON A. WAIT'S
Berkshires
A good herd at Winfield, Kan., headed by Lord Duke 84, 12282.

Berkshire Pigs
Choice pigs, either sex, 10 to 16 weeks old, sired by ROBINHOOD PREMIER 2d, or Adam, a son of Rival's Lord Premier. Nothing but the very choicest specimens shipped. Price: registered, crated F. O. B. here—one \$20; two \$35; three \$50. W. J. CRIST, Ozarkie, Kas.

DUROC-JERSEYS.
Smith's Durocs
Fashionably bred boars, including grandsons of the great Graduate Col., and a hard-heading son of the champion, Tatarax. Also spring boars. J. R. SMITH, NEWTON, KANSAS

Duroc-Jersey Spring Pigs
Dark cherry, sired by Bull Moose Col. 12255, he by King the Col. 9233 and out of large prolific sows of popular breeding, priced reasonable, and f. o. b. your station. Arthur A. Patterson, Ellsworth, Kan.

McCarthy's Durocs
A few October boars by J. R.'s Col. by Graduate Col. Also a son of the champion, Tatarax, that should head some good herd. Dan McCarthy, Newton, Kan.

FORTY MARCH PIGS
Also a few October Gilts bred to farrow last of September. Prices right. Descriptions and prices by return mail. J. R. JACKSON, KANOPIE, KANSAS.

Stith's DUROCS
Sows and gilts bred to and young boars and gilts by Model Duroc, one of the best sires of the breed. His half brother and sister were grand champions. His sire was a champion. Write today. CHAS. STITH, Eureka, Kansas

BONNIE VIEW FARM
DUROC-JERSEYS
Extra fine spring pigs, sired by T. A. Wallis and S. C.'s Col. Searle & Cottle, Berryton, Kan.

HILLSIDE DUROCS
1 yearling boar for sale cheap. Spring pigs of both sexes, a few by the Jr. Champion at Topeka Fair, priced right. W. A. WOOD & SON, ELMDALE, KANSAS

Duroc Pigs, Popular Breeding
I am offering 100 spring pigs, by Eckman's Special 124023 and Gold King 124125 out of sows by B. & C's Col., Buddy K IV, Chief's Martial, Belle's Chief 2nd, Golden Goods, etc. Yeadon Schuman, Winfield, Kan.

Dreamland Colonel
Summer and fall boars and gilts for sale. Everything immune. Nothing but desirable animals offered. Prices reasonable. LEON CARTER, Asherville, Kan.

10 Duroc Jersey Boars
of summer and fall farrow. \$25 each to move them quick. Sired by Model Chief and out mature sows. Dana D. Shuck, Burr Oak, Jewell Co., Kansas

Bancroft's DUROCS
We hold no public sales. Nothing but the best offered as breeding stock. September gilts open or bred to order for fall litters. 50 March pigs. Pairs or trios no kin. Prices right. Customers in 10 states satisfied. Describe what you want. We have it. D. O. BANCROFT, OSBORNE, KANSAS.

GRAND CHAMPION
DUROC-JERSEY SALE
AT
Marlow, Oklahoma, Wednesday, Aug. 27
35 Fall Yearling Gilts, 2 Tried Sows,
3 Extra Good Yearling Boars
20 of these gilts are bred to and 17 sows and gilts are by the greatest son of Graduate Col.
GRANDMASTER COL. II (three times grand champion), Reserve Grand Champion 1910, and Grand Champion 1911-12 at Oklahoma State Fair.
Mr. Breeder, these hogs will please you. Be sure to attend this sale. Buy one of these sows and raise a boar good enough to head your herd. Catalogs are now ready. Send your name today, mentioning Farmers Mail and Breeze.
W.A. WILLIAMS, Marlow, Okla.
Auctioneers—J. D. Snyder, Lafe Burger. Fieldman—A. B. Hunter.

VACCINATION

Insures Your Hogs Against

CHOLERA



Vaccinating a Pig.
Be Careful You Get
SERUM
That Really Takes

We guarantee every particle of our Serum to be potent. Let us send you full particulars and a list of satisfied customers. Write today or call and see one of the finest and best equipped laboratories in the U. S.

Wichita & Oklahoma Serum Co.
Rooms 11-13 Live Stock Exchange Bldg., Wichita, Ks

POLAND CHINAS.

Sunny Side Poland Chinas
Bred sows and spring boars for sale, priced right. Satisfaction guaranteed. J. G. Burt, Solomon, Ks

50 Poland China
March and April boars and gilts for sale. No public sales. Write for descriptions and prices. G. A. WIEBE, BEATRICE, NEB.

Large Type Yearling Sows
Sired by and bred to boars weighing between 800 and 1000 pounds and due to farrow in August and September. Thos. B. Murphy & Sons, Corbis, Kan.

Geo. E. Smith, Agenda, Kan.
15 years breeding Polands in Republic Co. No public sales but 70 choice boars and gilts of March farrow for sale. Address as above.

THURSTON & WOOD'S Poland Chinas
The large, smooth kind. Fall boars, handsome fellows by U. Wonder by A. Wonder, also gilts by this great son of A. Wonder and bred to Orange Lad by Big Orange. Thurston & Wood, Eldorado, Kan.

GEO. W. NOWELS, GLASCO, KAN.
45 March boars and gilts for sale. Medium type. Size and quality. Pairs and trios not related. Prices right. Address as above.

KLEIN'S TABOR VALLEY HERD
Some choice January Poland China boars by Chief Price 61067. Also two Sept. boars same breeding. Fall gilts, bred or open. Tops of 26 February boars. All out of big mature dams. Satisfaction guaranteed. L. E. KLEIN, Zeandale, Kan.

John Harter's September Boars
25 selected Sept. boars to pick from. Sired by Mogul's Monarch, Long King, Prince Hadley and Gebhart. Well grown and desirable as herd boars. Prices right. Satisfaction guaranteed. J. H. HARTER, WESTMORELAND, KAN.

Poland China tried sows and fall gilts, bred or open. Big type boars and big mature dams. J. F. FOLEY, Oronoque (Norton Co.), Kan.

Big Polands at Bargain Prices.
10 Head Sows safe in pig to Gold Mine 173389 for August and September farrow. 5 December boars, good ones. 30 Spring pigs, no culls in the bunch. A No. 1 quality and big husky ones, priced right. DIETRICH & SPAULDING, Richmond, Kan.

BIG SMOOTH BRED GILTS
By A. Wonder's Equal by A. Wonder out of dams by Knox All Hadley by Big Hadley. Growthy yearlings with extra size and quality, bred for early fall litters to the noted Orphan Chief. A. R. ENOS, RAMONA, KANSAS.

Get Your Name to Me Soon
Drop me a card and I will send you a catalog of my Poland China Sale of September 5th, 1913. J. T. ELLIS, ADRIAN, MO.

HILDWEIN'S BIG POLANDS
Make your selections from my large herd of the "big kind". They are the kind that make good. Public Sale October 29. WALTER HILDWEIN, FAIRVIEW, KAN.

Fall and Summer Gilts
15 fall gilts open, 10 summer gilts bred and open. Yearling and tried sows bred for fall farrow. Also an attractive herd boar offer. E. C. LOGAN, (Mitchell Co.) SOLOMON RAPIDS, KAN.

A. D. JONES

of DUNLAP, IOWA

has for sale 40 fall boars sired by 1,000 pound boars and from 600 and 800 pound dams; strictly big type Poland Chinas. I breed for length, bone, large litters and quick maturity. I also have 60 "all gilts," to be in the market this fall and winter and 100 spring pigs that are doing fine.

throughout the northern part of Kansas, Iowa and Illinois. Last year this firm did the leading business of the state among real estate men. They make a specialty of farm lands and exchanges, loans and insurance. In the course of its business life this firm has handled the transfers of many hundreds of farms in Kansas and enjoys the reputation throughout the different states of having built this business by honorable dealings. Many people have come to have full confidence in the owners and officials of this company by transactions consummated through the office. Anyone in search of a good farm in Kansas or in any part of the territory joining Kansas should write the Mansfield Land Company, personally, at the above address. This firm has sold a number of valuable farms in the last year and has found the Farmers Mail



Wilber J. Mansfield.

and Breeze as an advertising medium very profitable to it. Note the ads offered in this issue and mention the Farmers Mail and Breeze when you write.

A Firm Worthy of the Confidence of the People.

There probably has never been in Kansas, a cleaner or more successful firm than that of Onstad & Craiglow, organizers of The Kansas Casualty and Surety Company of Wichita, Kan., and few people, if any, have done more to build up successful home enterprises than have these gentlemen. Mr. Onstad was a member of the firm of Onstad & Kennedy, in the organization of The Farmers and Bankers Life Insurance Company of Wichita, Kan. This company was a marked success from the beginning. It has been in operation a little more than two years only, and has on its books close to eight millions of business; has paid two dividends to its stockholders and has made a very handsome increase in its assets. Mr. Craiglow is a gentleman of excellent character and business ability, and is now associated with Mr. Onstad in the organization of The Kansas Casualty and Surety Company of Wichita. Onstad & Craiglow began their work on this company a little more than a year ago, and since then have built a company with assets amounting to more than a half million dollars; it has nearly 800 stockholders in Kansas and Oklahoma, comprising 200 bankers and capitalists, and about 600 farmers, merchants, ranchmen, etc. Its board of directors are among the most successful men of Kansas and Oklahoma. One distinctive feature of The Kansas Casualty and Surety Company is that it was on a dividend earning basis even before it began writing insurance. The company began business July 1, last, and is already doing a very handsome business. It is doing a general bonding business, as well as health and accident insurance, boiler, plate glass, burglary in the co-operative plan; in a large number of stockholders and that these companies should be owned by the people and not by a few monied men, thereby giving the average investor an opportunity that has, in years past, been enjoyed principally by the wealthy classes of the eastern states. They maintain that The Kansas Casualty and Surety Company will be owned by about 1,200 people when the company is completed. With efficient management and the co-operation of this number of interested persons, this company should be a great success. About 1 million dollars was collected in Kansas alone last year in the way of premiums for this line of business, and The Kansas Casualty and Surety Company, being the only company of its kind in Kansas, we can see no reason why it should not prove to be an excellent investment for its stockholders.

Farmers Mail and Breeze Pays Advertisers.

Mr. Arthur Capper, Topeka, Kan. I can speak conservatively and say that the benefit from this advertising in Farmers Mail and Breeze, Weekly Capital and Nebraska Farm Journal was twenty times more than the cost of the advertising. I keep a record of all inquiries about land, the number of sales to these parties and the amount made on each sale. This extends over a period of about three years and includes the unfavorable year of 1911. WESTERN REALTY CO., Real Estate Dealers, Eads, Colorado.

Farmers Mail and Breeze, Topeka, Kan. Kindly take out my advertisement at once. Am all sold out of everything I had to sell and want to stop the flow of inquiries. PAUL E. HAWORTH, Breeder of Mammoth Black Poland Chinas, Lawrence, Kans., June 13, 1913.

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

POLAND CHINAS.

Polands, with Size and Quality Bred sows and gilts; also boars all ages for sale, sired by Wachter's Referee, Quams and King Hadley. Lambert Bros., South Center, Kan.

Joe Beneda, Agenda, Kan.
40 March Poland China boars and gilts for sale. No public sales. Prices right. Address as above.

Mt. Tabor Herd Poland Chinas
BIG AND MEDIUM TYPE. Herd Immune. For sale: Fall boars and gilts and 100 spring pigs, by Big Mogul and College Special 5th. Bred sows and gilts of either type. J. D. Willifong, Zeandale, Kan.

Special 30-DAYS OFFER
Choice Poland China spring pigs, either sex, \$20, express paid. Certificate with every pig. Satisfaction guaranteed. Howard R. Ames, Maple Hill, Kan.

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

PLEASANT HILL STOCK FARM POLANDS
Long King's Best, Sampson Ex and Moore's Halvor, a trio of unusually fine big-type boars in service. Booking orders now for spring boars and gilts—over 100 head to select from. These are bred right, fed right and priced right. HENRY GRATER & SON, LANCASTER, KANSAS.

Robinson's Mammoth Poland Chinas!
My herd boars weigh from 800 to 1,025 lbs. Now have for sale the greatest lot of spring pigs I've ever raised. Sired by and out of my prize winning boars and sows. Get my prices, description and guaranty. My terms are: if you are not satisfied return the hog and I return your money. F. P. ROBINSON, Maryville, Mo.

Big Orange, Big Sensation & Ott's Big Orange
in service in my herd of POLAND CHINAS. For sale—Pigs of both sexes, and boars of most all ages of the correct type that will please you. J. O. JAMES, Braddyville, Iowa

POLAND CHINAS.

100 SPRING PIGS Sired by King Hadley, King Blain, Jr., King John and Long John 2nd; priced right and guaranteed. W. Z. BAKER, RICH HILL, MISSOURI.

LARGE WITH PLENTY OF QUALITY!
Handsome young boars, gilts bred or open. Best of large type blood lines. Some boars, herd headers. Satisfaction guaranteed on all breeding stock. OLIVIER & SONS, DANVILLE, KANSAS.

Schneider's Poland Chinas!
20 head of good fall gilts. Some bred for September farrow, others offered open. A few good fall boars that I am pricing cheap to move them. JOE SCHNEIDER, NORTONVILLE, KAN.

Dean's Mastodon Polands
Poland China hogs, the big-boned type, will weigh when mature, 800 to 1,000 lbs. Will sell a few boars of serviceable age, also choice brood sows and gilts, bred to my herd boars. All immunized by Double Treatment. Herd headed by Mastodon Price, Columbia Wonder and Gritter's Longfellow 3d. Everything guaranteed and sold worth the money. Address CLARENCE DEAN, WESTON, MISSOURI.

Pleasant Valley Stock Farm! Big Boned Poland Chinas
H. C. LOOKBAUGH, Prop.
We are now offering a few choice fall boars at choice prices. They are the kind that make good. Satisfaction guaranteed. Address L. W. CUTRIGHT, Mgr., Watonga, Okla.

Green Lawn Stock Farm Sale

Adrian, Missouri
Fri., Sept. 5, 1913
50—Poland Chinas—50

WE PAID A. J. ERHART & SONS, \$54,000 FOR HIS POLAND CHINA HERD AND GREEN LAWN STOCK FARM AND WE ARE OFFERING



25 Males
15 fall yearlings
10 early spring pigs

25 Females
15 bred fall yearlings
10 open gilts

GREEN LAWN HOME.

The sows are bred to Young Hadley 57562 (by Big Hadley 40832) and Big Spot 47595. The offering is sired by Young Hadley, Big Spot, Giant Wonder, Geo. Hutch, Expansion Hadley, etc., representing the blood lines of A Wonder, Big Hadley, Big Hutch, Giant Mogul, Long John, Grand Look, Expansion, Chief Tecumseh, etc. This sale will be held just as it has been for a number of years on Green Lawn Stock Farm, 3 blocks from the depot. I bought this farm and herd to make it one of the largest Poland China farms in America. We have not nor will we spare money or time to make it one of the leading breeding establishments of the kind. We will appreciate your visit with us on this occasion or at any other time. Write for catalog. Bred sow sale Feb. 18th, 1914.

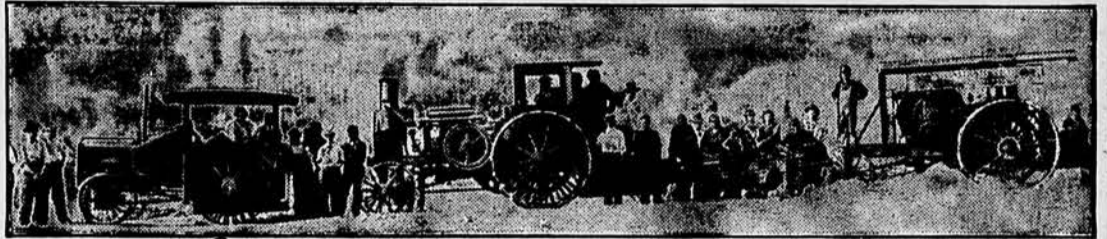
JAS. T. ELLIS, Adrian, Mo.
P. S.: If you can't attend the sale, send bids in my care to E. R. Dorsey, Auctioneer, James W. Sparks.

"I Will Teach You How to Run a Traction Engine Free"

—EMORY J. SWEENEY, Pres., Sweeney Auto School

The purpose of this amazing offer, the good faith and reliability of which will be attested by the editor of this paper, is to demonstrate the superior equipment and facilities of this school, and also to celebrate the opening of the fall season in our magnificent new quarters, the finest and largest of the kind in the world.

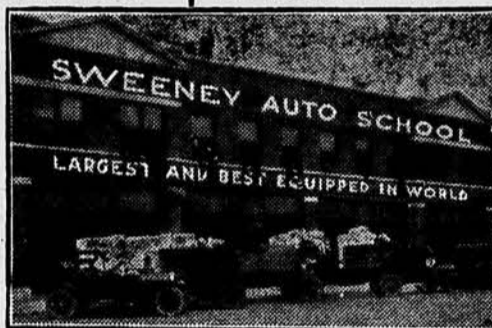
I want every young man mechanically inclined to investigate the BIG OPPORTUNITY for making more money that I can give him in a few short weeks, and knowing the demand for traction engineers I want to give all those who answer this announcement a FREE COURSE IN TRACTION ENGINEERING.



The Sweeney System of Practical Auto Instruction

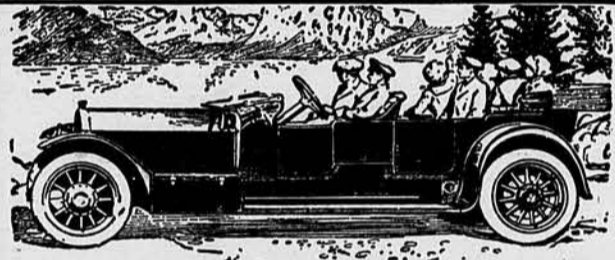
is now universally recognized as the most thorough, practical and interesting course of automobile instruction, leading to certain and profitable EMPLOYMENT. It embraces every point worth knowing, including vulcanizing, brazing, oxy-acetylene welding, lathe work, machine shop practice, testing, driving, truck repairing and operating, etc. AND YOU LEARN by doing the work on REAL CARS under the watchful eyes of skilled instructors. The only school equipped with all types of self-starters.

\$50 Course Free to Men Who Answer This Advertisement



NEW HOME OF SWEENEY AUTO SCHOOL, BIGGEST AND BEST.

You know right in your neighborhood of the demand for traction engineers and mechanics. Factories want workmen and demonstrators. We are in close touch with a great traction factory here in Kansas City. We teach you on three different types of tractors in actual work and also give you FACTORY experience no other school can offer. Men are wanted right now for good jobs. Here is a wonderful opportunity for young men. You can learn in a few weeks. We want to start out a few graduates right away and so although the regular price of the course is \$50 you GET THE COURSE FREE. Sign and return the scholarship coupon today. No previous experience is required.



Learn to Run and Repair Autos and Make Big Money

Think of this. Here's a trade where you are in demand 12 months in the year. Short hours, pleasant work. Outdoor life. Travel. Enjoy the world. Meet nice people. 90 per cent of the cars in use are not in proper adjustment on account of shortage of experienced mechanics. Grasp quickly this chance to make yourself a SKILLED MAN who is in demand and gets big pay for his work. No matter who you are we can teach you.

Eight Trucks in Daily Use Teach Students

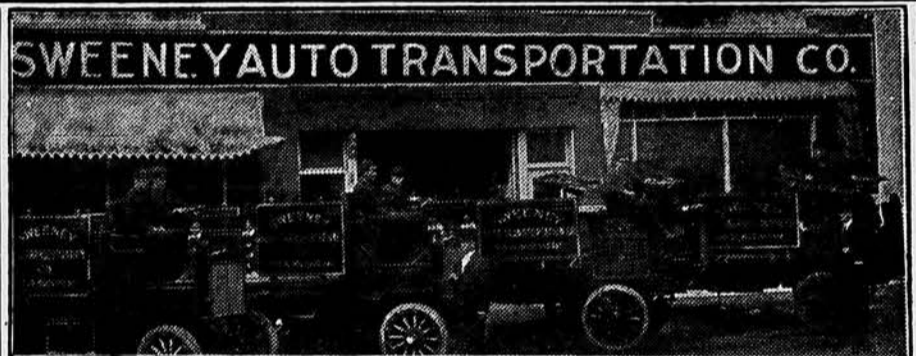
We own a truck transportation company operating eight trucks and therefore give our students practical work in handling, repairing and driving trucks as well as giving them an insight into the livery and transportation business. NO OTHER SCHOOL in the world offers this valuable service to students, and from this alone you can get experience to open up a most profitable business of your own.

Everybody in the Automobile Business Today is Making Big Money

Here is your chance. I want you to come to my school and see for yourself how quickly and easily you can learn the business and become a HIGHLY PAID MAN. Six weeks after the day you enroll you will be prepared to properly repair any auto made, drive any car or truck or traction engine, or open a garage or repair shop of your own. You can learn the business thoroughly in my school because I have been years working out this system and the WONDERFUL PROMPT success of my hundreds of PROSPEROUS GRADUATES proves it.

Pick Out a Good Job!

- Chauffeur, Salary: \$60 a month up
- Mechanic: \$80 to \$160 per month
- Salesman: \$1000 to \$1500 per year
- Demonstrator: \$100 to \$150 per month
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- Stationary Gas Engineer: \$80 to \$100 per month
- Gasoline Tractor Engineer: \$5.00 per day and up
- Motorcycle Repairman: \$18 per week up



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Study this picture. This is the only way to learn. Do things with your own hands. Practice beats theory. We do not merely tell you how; we show you how, and you then do the work yourself. We have over 40 cars of all makes on our floor, eight trucks, three tractors, and our DRIVING TEACHERS keep out on the road nearly twelve hours a day. YOU GET PLENTY of WORK of all sorts.

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