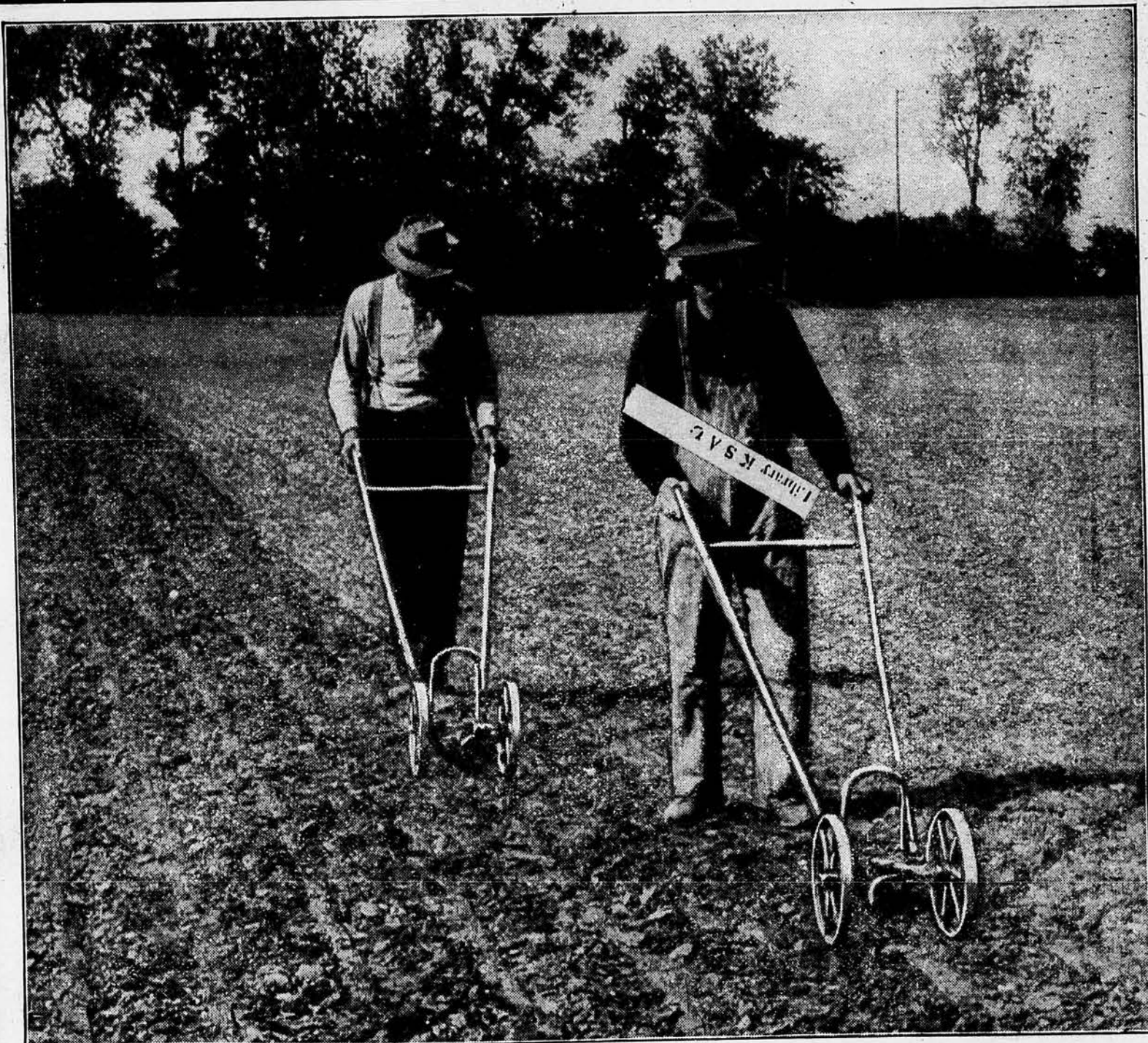


# THE FARMERS MAIL AND BREEZE

Volume 42

May 18, 1912

Number 10



*A Wheel Hoe is the Making of a Garden and a Small Garden Can Make a Big Dent in the Cost of Living*

**W**HETHER you believe or disbelieve in a money trust as a future possibility, or a present reality, you will be greatly interested in an account of the farmers' co-operative banks of Germany, known as the Raiffeisen system, which will be published in next week's Mail and Breeze. To show how the plan works and to give you an insight into the benefits of the system the organization of such a bank in Kansas will be described.

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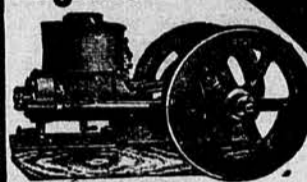
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Order your old reliable Western Buckeye Mower early. Have it on hand ready for business. Send for our Farm Implement Catalog and read our surprising offer. This is without doubt the best Mower, and the best price you will be able to get on a first-class machine. No other Mower has the strength and cutting qualities of the Western Buckeye. Every part is built for wear. The frame is extra heavy. There are only four gears. You get no lost motion with this machine, and if you want a Mower that will stand the work the Western Buckeye is the one to get.

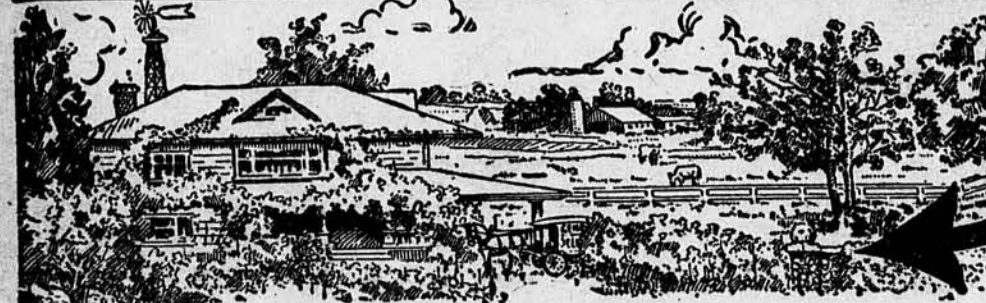
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# THE FARMERS MAIL AND BREEZE

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



Volume 42  
Number 10

TOPEKA, KANSAS, MAY 18, 1912.

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## KANSAS FARMS AND FARMERS IN NEED OF THE SOYBEAN

**T**HERE are several forage or grain legumes that may well be given a larger place in our agriculture. Clovers, including alfalfa, are the main representatives of this family, and excellent as they are there are others that would be found of good value on most farms. It is the purpose of this article to bring attention especially to the value and uses of the Soy or "Soja" bean as one of these, introduced into the United States between 1870 and 1880, in a limited way, from Japan, where it is used mostly for human food. Among its earliest advocates in this country was Prof. C. C. Georgeson, of the Kansas Agricultural college, to whom it had been well known in Japan during the several years of his residence there.

It is an annual, with upright, branching, bush-like stalks, raised mostly for hay and grain in America, and is rich in feeding qualities, especially protein, one of the important elements too frequently not produced in a sufficiency on the farm. Its fertilizing properties and habits of growth make it admirably suited to short rotations, which is not the case with alfalfa, for it is often profitable to let alfalfa stand almost indefinitely. Considered as a hay plant alone, the soy bean cannot compete with red clover or alfalfa where these are successfully grown, but its uses cover a wider range.

The soybean is excellent for grain, hay, silage, pasture, soiling and green manuring; valuable as a food for man and beast, and, like other legumes, is beneficial to the soil in which it grows by storing there nitrogen gathered from the air. It is of service in taking the place of crops destroyed by too much water or through lack of enough, for it may be sown from early spring to midsummer. The feeding value of the beans is rated in excess of that in cottonseed meal, and experiments have shown that fed in the straw or stalks to dairy cows they afford feed equal to alfalfa hay.

Most any land that will grow corn is adapted to the soybean. It responds readily to good soil and plenty of moisture, but will yield on land too poor, or in a season too dry, for ordinary crops. It is remarkably resistant to dry weather; as much so as Kafir, and is comparatively free from attacks of fungous diseases and insects. It should prove a valuable crop in the so-called "semi-arid country," which, with Kafir and milo, would give that region a complement of feedstuffs ranking well with the Indian corn, clover and alfalfa of the Central West. Rabbits are fond of the tender foliage and their depredations are often a drawback, although it is reported that where grown extensively their damage would be scarcely noticeable.

The land should be prepared as for surface-planting of corn. While on many farms it may not be necessary, it is often advisable and sometimes imperative, to inoculate the soil, as the soybean does not yield so well without the proper bacteria present. Inoculation may be effected by applying to each acre 800 to 1,000 pounds of soil from a field where soybeans have been grown. A liberal dressing of manure plowed under may do as well.

The soybeans are partial to warm weather and should not be planted too early in the spring. They may even be planted so late as midsummer with good results, depending on the season and locality. The preferable time is after corn is planted, so the most favorable part of the season may be utilized as their growing period. When conditions were just right, good returns have been realized from sowing after wheat and oats have been harvested. Fresh tested seed should be planted at the rate of about a half bushel (30 pounds) per acre, drilled say an inch

**Still Time to Plant the Crop This Season  
and Benefit by Its Many Uses**

**By F. D. COBURN**

*Written Expressly for Farmers Mail and Breeze*

in depth, every 2 or 3 inches, in rows 30 to 36 inches apart, so as to permit of cultivation. It is not advisable to hill or ridge the rows in cultivating, as that complicates the work of harvesting; which under the most favorable circumstances is somewhat difficult. If broadcasted, especially for hay, something more than a bushel of seed should be used, some growers recommending a bushel and a half.

For hay, they should be cut when the pods are well formed or the leaves begin to turn yellow; if for grain alone cut when the pods change to a brownish or darker color, or the leaves have mostly fallen. Such varieties as the Mammoth (yellow) grow to considerable height, and may be harvested with a

and be useless for seed. The Ito San (Early yellow) is a favorite for grain in Kansas, maturing in 90 to 100 days. Its hay yield, though moderate, is of excellent quality, and it will mature if sown after a small-grain crop. New varieties are being introduced following the more or less widespread awakening to their value; some excel for hay and others for grain, with peculiar adaptability to certain localities and conditions. If not already informed it would be well to inquire of the experiment station authorities before sowing, as to latest developments. The Guelph (called the medium green) is esteemed for soiling and silage. For the latter it should be ensiled with corn in alternating loads, thus providing a more nearly balanced ration, the beans affording the protein and the corn the carbohydrates.

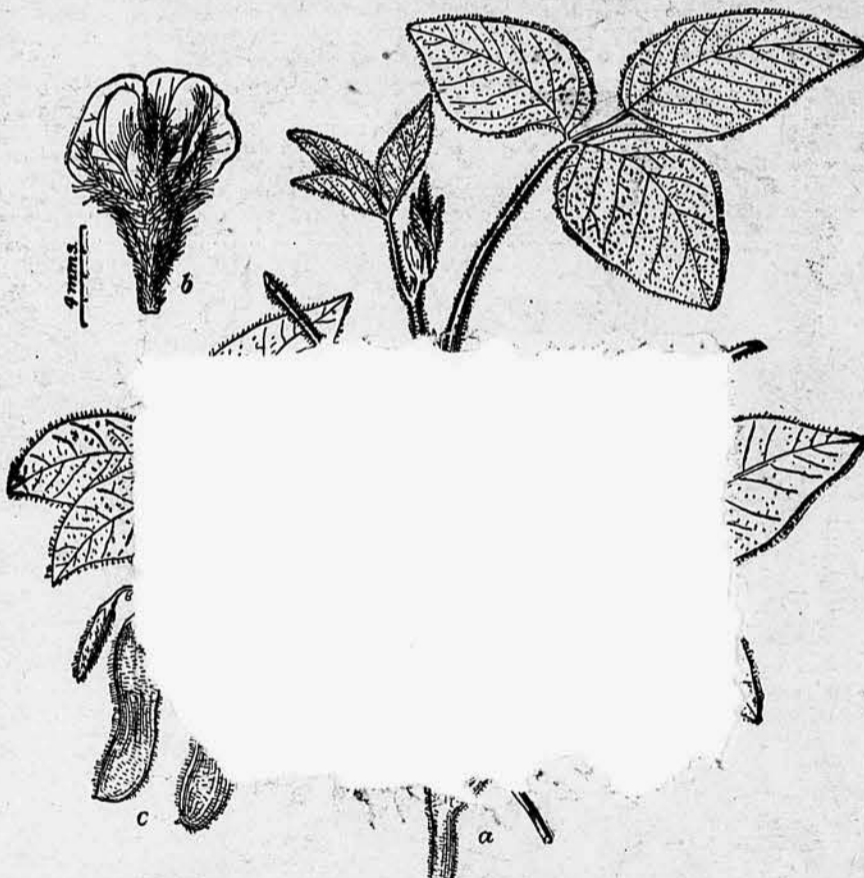
Among varieties besides the Mammoth, Ito San and Guelph, already mentioned, that are perhaps popular for certain regions and uses, are the Hollybrook (yellow), Buckshot (black), Wisconsin Black, Wilson (black), Austin (greenish yellow), and Harberlandt (yellow).

Grown with other crops the beans afford a mixture well thought of by many. One of the most satisfactory is cowpeas; another is sweet sorghums grown in cultivated rows. It is not uncommon to plant the early or medium kinds between corn rows at last cultivation. The time of planting and location would often govern as to variety. It is well if maturity is reached in September, as conditions then are usually favorable for curing. Some kinds require longer periods of growth than others. To hogs and poultry the grain may be fed whole, but for other livestock it should be reduced to meal. It is a good practice to first mix in proper proportions with corn and grind the two together, for alone the beans, containing so much oil, may gum the machine and make the work unsatisfactory.

A crop of beans could doubtless be profitably planted on many farms nearly every season, following either oats or wheat, for hay or grain, or green manuring. As a hay they yield 2 to 3 tons per acre, and where grain is the object the threshed "straw" is worth as much, say, as timothy hay, but at present seed is the chief aim, owing to the demands for sowing as well as for feed. For the latter the beans will take the place of that high-priced concentrate, cottonseed meal, and a bushel is said to be twice as valuable for feed as a bushel of corn. Although not a rival of alfalfa nor red clover, the soybean has an important place, under the increasing intensity of farm methods. It has a distinct advantage over clover with respect to being a much more rapid grower. There are farm conditions in which soybeans fit admirably and the alert farmer should not overlook their possibilities.

Used for hog pasture the stock can be turned in before the beans are near maturity, but an Indiana station bulletin says that is a doubtful method, because the pasturing must be very light in order to prevent too large a decrease in the grain yield. When pastured in this manner the hogs should be removed from the soybeans long enough, when the pods are forming, to allow the latter to fill and begin ripening after which the hogs can again be turned on and allowed to harvest the field. The best method of pasturing soybeans is to allow the pods to begin ripening before the hogs are turned on. This permits the greatest development of grain in which the chief value of the crop lies.

*F. D. Coburn*



Leaves, flower and pods of the soybean plant, excellent for grain, hay, silage, pasture, green-manuring, etc.; a feed-saver, protein-maker, soil-improver and nitrogen-gatherer which is needed in the corn belt.

self-binder, but the self-rake or the mower with side delivery attachment is more commonly used.

When sufficiently cured for it the beans should be put in cocks. In fact, their curing may be done quite well by adhering in a general way to the practices followed with clover. Threshing is done preferably from the cock, and if no special machine for this is available the work may be done with a common grain separator with blank concaves, and operated at a somewhat low speed. The freshly threshed beans should be spread out and managed so that they will be thoroughly dry before storing. Unless this is carefully attended to they may heat

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**PASSING  
COMMENT**  
by  
**T. A. McNeal.**

### TO MAIL AND BREEZE CONTRIBUTORS.

One of our contributors has just written me a letter that sizzles because I did not publish entire his opinions on the "money question," though they would have taken half the available space in Farmers Mail and Breeze. I am glad to say this was an exceptional case. In the main our contributors are very sensible and reasonable. I get hundreds of good letters every day and I seldom have a complaint from a contributor. Most of them are glad to have their letters edited a little.

Farmers Mail and Breeze has a larger number of intelligent, wideawake contributors than any other publication I am acquainted with. Here at headquarters we are very proud of this fact. However, it is seldom that any of these letters can be used immediately. One reason is the Mail and Breeze is prepared for the press from two weeks to 10 days ahead of its publication date. Then some of these letters are reserved for publication on special occasions planned ahead, others are held for a certain season when they will be specially helpful or timely, others are printed immediately, but all are shortened, or condensed, and few articles or contributions from anybody are printed entire. The editors of the Mail and Breeze cut and slash their own matter after they have written it.

All this condensing is done in order to save space and the reader's time. Without it we couldn't give you half as good a Mail and Breeze and there wouldn't be half as much in the Mail and Breeze that you would care to read. This doesn't mean we are not glad to have you write often. It means good short letters are more likely to be printed and read.

### ON THE ROAD.

Florida is without doubt the most cosmopolitan of all the southern states. In my travels so far in this peninsula I have met people from every section of the country. This has had a most marked and beneficial effect on public sentiment.

There is comparatively little sectional feeling here. The North and South and East and West mingle and fraternize as they do in Kansas made up of the same diversified kind of a population.

The traveler going southward may not know the exact place where he crosses the line between Georgia and Florida but he has not crossed it long before he discovers that he has struck changed conditions. The region of desolate, half cleared lands, old fashioned worm fences and miserable unpainted shacks gives place to a better improved country.

New neat farm houses begin to appear. Here and there a building can be seen which is evidently a school house which looks like a Kansas school house and if you had time to investigate you would probably discover that there are some formerly of Kan-

sas men located round there in the neighborhood of that school house.

There are few indications yet of a tropical climate. We are not yet below the frost line or beyond the danger of a winter freeze.

The tropical fruits are not grown to any extent in this north part of Florida. Years ago a lot of venturesome and enthusiastic people concluded that oranges could be successfully grown nearly up to the north boundary of Florida. They found out better after they had suffered from a freeze that not only destroyed the fruit but killed the trees.

Perhaps in five years out of ten it would be entirely possible to grow citrus trees nearly up to the north line of the state but before the end of the ten-year period the experimenter, unless he had ample reserve means to draw on, would be busted and not in condition where it would make any particular difference to him whether the frosts came or not.

I was not greatly interested in northern Florida. Judging as far as I could judge from a car window or the rear end of an observation car, it struck me that the land is only moderately productive but that a man who has sense and hustle might do fairly well here at general farming and stock raising. The lands look like good, or at least fairly good grazing and farming lands.

The winters, although occasionally the temperature falls enough below the freezing point to make orange or grape fruit growing a failure, still are so short and mild as hardly to be called winters at all.

I would think that men who knew the business could make plenty of money in northern Florida dairying. And they need the product of the cow down here. There are a good many places where the weary traveler who calls for cream for his coffee is a sadder and a wiser man afterward. He will understand that when he calls for cream he will get a mighty poor imitation of skimmilk.

Land in this part of the state is coming up along with the rest of the state in price but it still can be purchased, as I understand, for what seems a small price as compared with the price of land in the Kaw bottom or any other part of eastern or central Kansas. If any reader wants definite information on the matter of price he had better address the land department at Tallahassee, Fla.

I do not believe that an acre of this northern Florida land will produce as much grass or as much of any other crop as an acre of good Kansas land will produce but it should be considered, on the other hand, that there is not the necessity for preparing for a long hard winter.

I believe, as I have said, that there is a good chance to make some money in the dairy and general stock raising business in northern Florida. Land I am told ranges in that part of the state in price from \$10 to \$20 an acre. Poultry raising could be made to supplement the dairy business. Chicken meat is mighty high in the towns of Florida.

Leaving the level grazing lands of the north part of the state behind we begin to get into the real interesting part of the state of Florida but I have acquired the southern inertia and will take up that subject in the next. It is really too big a proposition to tackle when you are hungry and lazy.

### MY VISIT TO CUBA.

A fresh trade wind was roughening the waters of the Gulf stream when we

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She was a stranger to me, but I did not take this demonstration on her part as an evidence of sudden and overwhelming affection. I was not proud and haughty or puffed up on account of it; on the contrary I felt considerably depressed by her visit.

When not in action she weighed, I presume, somewhere in the neighborhood of 200 pounds, but mathematicians tell us that a body projected through the atmosphere on a downward incline will gather weight and momentum in a geometrical ratio to the distance traveled. If they are correct in their calculations, I figure that when she landed on me she weighed in the neighborhood of 550 pounds.

She was a real lady, however, and as soon as she could get her arms disentangled from about my neck and her hat straightened, she apologized and begged my pardon.

"No apologies are needed, madam," said in the most polite tones the limited air left in my lungs would permit, "I will return your call in about a minute," and I did. When the stage turned up on the other side of the draw I went over and sat for a brief space in her lap. We visited back and forth that way for a number of miles and got quite chummy. She asked me what I really supposed she weighed and I am glad to say that I lied to her like a gentleman.

When we got to the place where the stage stopped for dinner, neither of us really wanted to eat anything, but we went through the motions to pass away the time. So I may say that I had some idea of how the storm tossed mariner feels before I set foot on the steamer bound for a foreign shore.

Still I will frankly admit that I didn't feel altogether comfortable. I sought my stateroom and lay down and fortunately fell asleep. When I awoke and came on deck the sea had calmed and the slanting rays of the afternoon sun were lighting up the shores of the queen of the Antilles.

In the distance the great city of Havana, looking like a city of marble, clustered about the harbor, whose entrance was guarded by the frowning walls of old Moro castle and the walls of the fortress Cabanas.

When I speak of Havana and Cuba I know that my impressions are superficial and imperfect. To understand the situation there one should stay for months instead of days. He should get out of the capital city and travel through the island and study its towns and people. But even in a brief stay one can get some idea of the political situation in that most interesting and fertile island.

Every school boy and school girl, of course, knows something of the geography of Cuba. They have learned, perhaps, that its total area is a little more than one-half that of the state of Kansas, and that in point of natural fertility and resources it perhaps exceeds any like area of land on the face of the globe.

Although it is estimated that not more than a quarter of the island is being cultivated, and perhaps even that not cultivated with anything like the care that would be used in the north temperate zone, in a single year the plantations of Cuba produced 1,808,221 tons of sugar or nearly two-thirds as much sugar as is consumed by the 90 million people of the United States.

It has been estimated that if the production of sugar was pressed to its limit the island of Cuba could produce enough to supply two-thirds of the consumption of the entire civilized world. Possibly this is putting it strong, but certain it is that the possible production of sugar in this marvelous island is almost beyond human belief.

Sugar is far from being the only product of the island. In a single year it produced nearly a half million bales of tobacco, and in addition to these two staple crops all kinds of tropical and semi-tropical fruits and vegetables grow with a bounteous profusion hardly equaled anywhere else on earth.

In the year 1910 the value of exports of the island amounted to more than 117 million dollars, the bulk of the exports coming to the United States. Of all the sugar exported that year, 1,431,583 tons, all but 10,000 tons came to the United States.

The present population of the island is in round numbers 2½ millions, 60 per cent of whom are of mixed blood.

The city of Havana is strange and interesting to the traveler from Kansas. Kansas avenue would make at least six streets as wide as the leading business street of Havana. The Spaniards who laid out the town evidently did not want to waste much space on streets. Sidewalks they considered unnecessary.

The people of any consequence were supposed to ride, and so far as the people who had to walk were concerned, they could get along the best they could. They could walk in the street and take their chances on being run over by the grantees in carriages. If one of them was run down it was not considered a matter of any consequence.

And now modern civilization has come along and taken some of these narrow streets for street car tracks. When a street car comes along the pedestrian standing on the 18-inch curbstone has to stand sideways and flatten himself against the wall to let the car go by.

It occurred to me that a large man with a paunch protruding far out into the soft tropical atmosphere would be in a serious predicament if he should be caught afoot on one of these streets when a car was passing. He would be in luck if he didn't get the front of his bay window rubbed off.

The serious question in Cuba all the time is what is going to happen politically. I asked an American

merchant what the feeling was concerning annexation. He told me that practically every man who had a dollar was in favor of annexation, but the people who had no property were almost universally against it.

The leading business of the city of Havana, and I presume of the other principal cities of the island, is in the hands of Americans or Spaniards. The Cubans proper are opposed to annexation and I must say that their reasoning looks plausible. They believe that if the United States takes the island there will be a flood of immigration from the states. The aggressive Northerners will simply come down and gobble up everything on the island that is worth taking and the Cubans will be crowded off the face of the earth. They will have nothing to say about running the government of the island.

It occurs to me as I say, that they reason well. I think that is just about what would happen. And I fear it will happen, for the outlook for the Cuban government is not entirely encouraging. The Cuban's idea of a government is an institution that will furnish him with an easy job connected with enough salary so that he can live in idle luxury.

There are two parties in the island, one called the conservative and the other the liberal party, but so far as I could learn during my brief stay, about all the difference there is between them is that one crowd has the government jobs and the other wants them. A bright Cuban told me frankly that the crowd that promised the most jobs could gather in the most votes.

The first president of the new republic, Estrada Palma, lived for many years in the United States, and while here acquired a number of American ideas. He was a real patriot who loved his native land and dreamed of building up there a strong, rich and just government.

When the war for independence ended it was necessary to contract a debt of 36 million dollars. Palma started in to economize. He cut down public expenses where he could and began to pile up a surplus in the national treasury. During the three years of his administration he accumulated some 24 millions of dollars to be applied in payment of the national debt.

Did this economical administration make him popular? Nay, nay, Pauline. It did not. "What is the object," asked the Cuban, "of piling up money in the treasury when there are thousands of us patriots who fought for independence who want jobs? Of what avail is this government we have fought to establish, if we have to work just as hard to make a living as we did before?"

And so they proceeded to build a fire under Estrada Palma and in course of time they got his goat. It is now generally conceded that Palma was an honest man. He did not personally profit by his position as president of the republic, but left the office a poor man, and died broken hearted on account of his failure and the ingratitude of his fellow countrymen.

He was succeeded by Gomez, who was a soldier in the war for independence. When Gomez took office about four years ago after a period of intervention by the United States he is said to have been a poor man. He is rumored now to be worth a million dollars, which, I might remark in passing, isn't so bad for a man with a \$25,000 a year salary. It shows considerable financial ability and disposition to prepare for a rainy day when a man can save a million dollars in four years out of a salary of \$25,000 per year. It may also be said right here that there are a good many rainy days in Cuba and Gomez evidently is posted on the weather.

There is a red hot campaign on right now. I attended a political meeting while in Cuba. There were a number of spellbinders who turned loose on the crowd, and while I couldn't understand a word they said they seemed to be mightily in earnest about it. The crowd, too, was a good looking, well dressed and well behaved crowd. It certainly didn't act like a crowd of hell raisers, but I was informed that hades was liable to break loose almost any time.

If it were not for the shadow of the United States, which hangs over the island continually, I think I could guess what would happen. Gomez has built up what seems to be a fine little army, and not so little, either, considering the size of the island and the number of inhabitants.

There are, I was told, about 12,000 men in the army. They are as well dressed and apparently as well fed and as well drilled as the regulars in the United States army. They are paid rather better salaries than our regular soldiers. The privates are paid \$22 per month and the officers in proportion.

Now Gomez at heart would like to hold onto his job. He is commander-in-chief of the army. With that at his command if the United States did not hold a check on him he could perpetuate himself in power and I think he would do it. Cuba, considering her population and area, has great revenues. The revenue for 1910-11 amounted to more than 34 million dollars. That ought to pay all expenses and leave a handsome surplus, but it doesn't. The fact is that the government seems to be verging on bankruptcy and it looks as if breakers are ahead.

There are more useless employees hanging round the government palace than there were door-keepers and superintendents of ventilation during the famous legislation session of 1903. The Cuban senate chamber is a dream of architectural beauty. The senate chamber of the United States isn't a marker to it. Evidently no expense was spared in furnishing, but after all, if there was no graft connected with the running of public affairs the gorgeous fittings of the

government palace would not cut much figure. With the revenues the government enjoys it could afford to buy good furniture and pay a good many needed salaries and still have surplus, but graft will ruin any government.

I should like to have stayed several weeks in Havana and the island. It was a mighty interesting day and a half that I did spend there, but it was far too short a time. I found time to wander through the historic old fortress of Moro, whose massive walls were built by Philip of Spain nearly 400 years ago and which are still in good state of preservation. I visited also the more modern but almost as historic fortress of Cabanas.

I saw the prints of the bullets in the walls against which the unfortunate Cubans, whose only crime seems to have been that they wanted to be free, were stood up and shot to death. I saw the dungeon with its passage down to the waters of the ocean into which Cuban prisoners were thrown, their bodies going to feed the voracious sharks that swarm about the base of the old fortress walls. I saw the lighthouse built at the point of Moro castle by a Spanish general by the un-Spanish name of O'Donnell. How the Irish race has made its mark on every form of civilization where there was any fighting to be done! Think of a Spaniard by the name of O'Donnell!

And Shea, the scholar with rising joy  
Said we were at Ramillies,  
We left our bones at Fontenoy  
And up in the Pyrenees  
Before Dunkirk, on Landen's plain,  
Cremona and Lille and Ghent  
We're all over Austria, France and Spain  
Wherever they pitched a tent.  
We died for England from Waterloo  
To Egypt and Dargai;  
And still there's enough for a corps or a crew,  
Kelly and Burke and Shea.  
"Well, here's to good honest fighting blood,"  
Said Kelly and Burke and Shea.

How O'Donnell got mixed up with the Spaniards I do not know, but one thing can be said, and that is, that pretty nearly the only useful monument of Spanish rule that is left at the harbor of Havana is this great lighthouse built by a transplanted Irishman which still sends its beams across the waters to warn and guide the men who go down to the sea in ships and with intrepid courage transport from port to port the commerce of the world.

Havana seemed to be an orderly as well as a beautiful city. While it is full of saloons it is only fair to say that there is little evidence of drunkenness, and when you see a drunken man it is pretty safe to bet that he is an American. The Latin races do not seem inclined to boisterous drunkenness like the Americans or Anglo-Saxons generally. This seems rather strange, for they are an emotional people and one would naturally suppose they would be rather more disposed to drunkenness than the colder blooded men of the North.

It is claimed that the Cubans are not overly friendly to the people of the United States, notwithstanding the fact that it was the intervention of this government that made their independence possible. As I was walking down one of the principal streets of Havana I saw nailed up on an awning post a small American flag. It was the property of a colored bootblack. I stopped to get a shine and engaged in conversation with the colored citizen.

"I take it," I said, "that you are not a Cuban?"  
"No, sir, I am a Georgia cracker," he replied. "This here is no place for a man from the United States. They won't patronize me and I want to get back to the United States." Having come through Georgia and observed something of the manner in which the colored population of that state is treated I wondered what he had to get back to. It also occurred to me that the smart thing for him to do was to take down his American flag while he was there in business.

If a subject of Emperor William or of King George should ostentatiously display the flag of his native country here over his place of business it would in all probability injure his trade. Not that we have any particular enmity against either Germany or Great Britain, but we don't relish having a citizen of either of these countries ostentatiously flaunt in our faces the fact that he thinks his fatherland is a lot better than this.

The gambling spirit is strong in Havana. The government runs a great lottery on the same plan that the Louisiana lottery was run before it was put out of business by congressional enactment. The drawings take place every two weeks and the tickets are peddled all over the city by men, women and children. The government derives a revenue of about a million and a half per annum out of the lottery, 20 per cent of the proceeds going to the government.

It is claimed that the drawings are fairly made and the argument is put up with considerable force that at the worst it can be said that the investor in a lottery ticket has as good or a better chance to win than the man who puts his money into the New York or Chicago stock exchange and bets that wheat or corn or cotton or stocks will go up or down. Indeed it does appear that so long as this government permits gambling in stocks to go unchecked in this country we have not much reason to point an accusing finger at the Cubans, who run a government lottery.

I have said that it seems to me the prospect for further interference down there by our government is imminent. Personally I do not want to see it. My sympathies I freely admit are with the Cubans, who desire to maintain an independent government. And, anyway, we have carried this assimilating business, it seems to me, as far now and consider-

ably farther than it is wise to carry it. While we are talking about extending a sheltering wing over the islands of the sea and granting the benefits of our glorious civilization to other and foreign peoples, we are refusing to 10 million native born citizens of our own country the benefits and privileges guaranteed them by our own constitution. We had better clean our own door step before we go out with hypocritical offers to dress up the front yards of our neighbors.

I cannot help feeling, also, that the demand for annexation comes largely from those who expect to profit financially by annexation. They are not moved so much by humanitarian motives as by the belief that there is rich picking in the islands to be taken in and more colossal fortunes to be gained by exploitation of the people we expect to take under our sheltering wing.

Let Cuba continue to be an independent government and help the people of that island to work out the problem of their own destiny. They are suffering from centuries of misrule and oppression. If they have false notions about the proper functions of government, it is not to be wondered at. From the time that Spain first reared her standard on the fertile soil of Cuba until her rule was ended and her flag lowered from Moro castle and Santiago, the one object of the Spanish rulers was plunder. No wonder the Cubans came to look on government as simply an instrument of graft, organized for the purpose of putting easy money into the pockets of those who held the offices.

But the bulk of the Cuban people are after all not bad at heart. They are slowly learning that the object of government is to protect the lives, liberties and property of the people. They are patriotic, emotional and not yet fully fitted for the duties and responsibilities of self government, but they are learning as other people have learned by hard experience that the burdens of a badly administered and graft-infested government fall heaviest at last on those least able to bear the burden.

### As a Candidate For Governor of Kansas These Are the Things I Stand For

For revision of taxes downward—on city, county and township as well as state taxes.

For the strictest economy in public expenditure—a dollar's worth of service for every dollar of the people's money.

For all legislation which eliminates useless officials, clerks, commissions and boards, usually created to give jobs to political leeches and grafters.

For the civil service and merit system in the transaction of all business of the state.

For consolidation of boards and other public offices wherever possible.

For salaries for county officials instead of the present fee-grabbing system.

For a more efficient primary law, including a presidential preference, and the fullest publicity to campaign expenses and contributions, and the elimination of the slush-fund in politics.

For the election of state and county officers for a term of four years, subject to recall, and making state officers ineligible for more than one term.

For the election of United States Senators and all officials by direct vote of the people, for the non-partisan election of judicial officers and for equal suffrage for women.

For abolition of life terms of office of federal judges and substitution therefor of limited terms.

For an amendment to the present inheritance tax law, exempting all direct heirs up to \$25,000.

For the state publication of school books and distribution to patrons at actual cost.

For the Initiative, Referendum and Recall.

For a practical, sensible good roads law, that will do away with the wastefulness and inefficiency of the present system.

For the assessment of real estate every four years, and abolishment of the office of county assessor, except in counties where the office is created by vote of the people.

For less technicality and speedier justice in courts.

For legislation to increase the efficiency of the rural and grade schools.

I am opposed to the resubmission of the prohibitory amendment and am for the strict and impartial enforcement of all the laws of the state without fear or favor, for rich and poor alike.

For amendment of the present game law, including protection of quail for at least five years.

For a law to give to a convict's dependent family a portion of his earnings while in the penitentiary.

For more farmers and business men and fewer lawyers for legislative work.

There are too many useless and foolish laws in this state. I favor their repeal or revision.

I favor prison for the big thieves as well as the small ones, and am opposed to paroles for bankers.

For substantial tariff reductions to the lowest basis that will support the American standard of wages.

For a law that will effectively stamp out the white slave traffic.

*Arthur Capper*

## JAYHAWKER FARM DOIN'S

BY H. C. HATCH, GRIDLEY, KANSAS.

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

The week ending May 4 was one of the big ones for corn planting. Next week will see as much, or perhaps more planted but the two, weather permitting, will see a great part of the corn in the ground.

The season, so far, is just about two weeks behind the average but in this section corn stands as good a show to be up to standard as in any season in the last six years. Ever since 1908 our springs have been playing tricks on us; perhaps this year will give us some old time Kansas weather once more.

May day was a beauty compared with most of the May days we have been having for five years. In that time we can remember two first days of May in which ice formed at night putting the fruit crop completely out of business. This year the trees are loaded with bloom and everything indicates a fine fruit crop.

Even in the good corn years of the late '90s we noticed that corn which came up and grew right off did better than that planted too early which got a set back by cool weather. We don't advocate late planting but we do think that in a series of years corn planted by April 25 is in the ground early enough. For a number of years we have grown our best corn from first of May planting.

At the time we write moisture conditions could not be better in this neighborhood. What the conditions will be when this is read we cannot tell. But now everything is just right to bring corn up in a hurry. A few miles south of us they had too much rain and were kept out of the fields three or four days longer than they liked to be. It is hard to have to sit idle when the weather is warm and corn planting time is here but we have learned one thing by experience; it does not pay to work the ground when it's too wet.

There is less yellow corn planted than there used to be. White corn seems to do better on the upland although there are smaller strains of yellow that grow very well on high ground. But taking all varieties into consideration we think it will be found the white varieties will produce more on upland than the yellow ones. Like nearly all farmers, we like the looks of yellow corn better than white and think perhaps it is just a little stronger feed but the white does so much better for us that we will plant no yellow this year.

Some of our neighbors raise a black and white corn which is mighty poor to look at, as well as being hard and flinty, but it seems to make lots of corn and appears to be about as drouth resistant a variety as we have seen. It is not squaw corn although it has the color. We have never raised any of it but this year we have planted 8 acres of the higher ground to this corn. We shall need some early feed and we can use this. If it is fed from the field the flintiness will not bother.

Hog prices have been doing well for the last month but it seems they cannot quite keep pace with the prices paid for corn. For the last year hog prices have lagged behind those of corn and there has hardly been a time since last summer when more money would not have been made by selling corn rather than feeding it to hogs. This condition will be likely to continue until the new crop of corn comes in. Then if the crop is large we may look for hog values to take a big boost.

If there is a good crop of corn raised this season we expect to see the crowds at the public sales jam up around the hog pens next fall as they did around the cattle yards this winter. Anything that wears a hog skin will sell, for hogs certainly are going to be scarce. We do not think there has been a spring in a long while in which so many pigs were

lost. Since warm weather set in the losses have been small but in most of the West a large per cent of the sows farrow in March or the first of April.

Having just come in from fixing hog fence we wish to say, while the subject is fresh in our mind, that 26 inches is not high enough for hog fencing. It does very well when first strung up but after while it sags a little and it becomes a temptation then instead of a fence to an active shoot. The 26-inch hog fence should have a barb wire strung above it or there will be trouble later.

In speaking of the barb wire strung above the 26-inch hog fence let us say that there is nothing harder on overalls. If a man has such a fence he goes about with ragged leg coverings or keeps the women folk busy sewing up rips and tears. One is always stepping back and forth over such a fence and 9 times out of 10 the wire catches him. The best plan is to get a 32-inch fence to start with which is high enough to hold everything but a confirmed fence jumper.

A carload of sugar beet seed came into Emporia the other day, part of which will be used there and part shipped to other beet growing sections. We are going to watch this experiment of beet growing at Emporia with interest. We expect it to fail but we may be mistaken. We have seen it fail in eastern Nebraska partly because the farmers got heartily sick of handling them and partly because the sugar content failed to come up to standard in many sections. It has also been our experience that corn does not do extra well following sugar beets but that oats do splendidly.

But because a crop acts one way in one place it is no sign that it is going to act in a similar way where the soil is entirely different and where there is considerable difference in the climate. We hear the sugar factory men agree to take the Emporia beets without testing for sugar content; if this is so it gives the growers a much better show. A wet fall plays hob with the sugar in a beet; the moisture starts a second growth and when a beet makes this second growth it is losing sugar about as fast as can be imagined.

In the last two months we have been inquiring of farmers who have raised cowpeas how they planted them and what they thought was the best way. We find most of them are agreed that it is best to plant in rows and cultivate. By so doing they say they raise almost as much hay and that the vines are loaded with peas. Where the peas are sown broadcast a large hay crop can be grown but if the peas are thick enough to keep down weeds and grass they will be so thick that few peas will set on the vines. As it is the peas which give the greater value to the feed, they say it is best to cultivate. When the peas are planted in rows it only takes about one-fourth as much seed as when sown broadcast. One peck per acre is used to plant in rows while 1 bushel per acre is required to sow broadcast. This is quite an item when seed costs nearly \$3 per bushel.

This year, for this reason, we shall plant most of our cowpeas in rows and cultivate. We believe that the extra pea seed and the seed saved at planting time will more than pay for the cultivating. We have 4 bushels of seed for 12 acres. Ten acres will be planted in rows and cultivated and 2 acres sown on plowed land with a press drill. In this way we can give the two methods a fair trial. But we rather expect, after our inquiries, to find that the cultivated crop will prove the better. We saw one crop last year which was planted in rows about June 1 and cultivated twice. The vines had spread out and almost filled the rows while the plants were completely loaded with peas. Pea hay of this

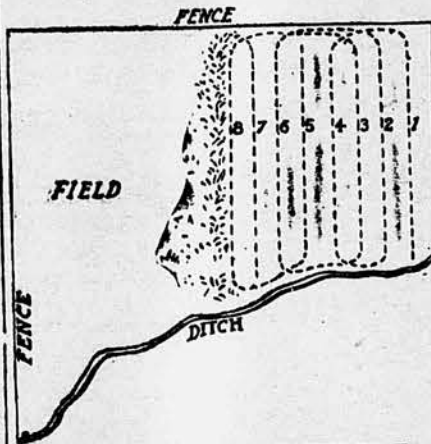
kind is very rich and some care has to be used in feeding it. One farmer living in this section had three of his cows founder on this rich pea hay. He had been feeding them himself but had to leave home so the hired man did the feeding a few times. He didn't know how rich a feed it was and gave the cows too much.

### A Knack in Working Corn

BY J. C. BOSTWICK.

[Written for Farmers Mail and Breeze.]

I have always used a walking cultivator in working corn on my small fields and being on a small farm it is necessary that all space be utilized and every stalk of corn planted carefully tended. In cultivating I always turn my horses one way when I come to the end, this being to the left or "haw" as we call it. I go up on Row 1 to begin with, then down on Row 4, up on Row 2, etc., as



the drawing shows. The horses soon get used to this way of turning and never get confused about which way to go when they get to the end. I am also able to plow closer to the fence in this way at each end of the field and the horses step on less corn than in other ways of turning. I do not lift the beams at all on coming to the ends.

Hoyt, Kan.

### Dynamite in Cowpea Growing

A READER'S EXPERIMENT.

Mr. Editor—Last spring I put out 6 acres of oats and got a fine stand but the chinch bugs took them clean. Then I double disked this patch, harrowed it down and on July 25 drilled in 1 bushel of Whippoorwill cowpeas per acre. October 6, I mowed the peas and they made a little more than 2 tons of fine hay per acre. It was just as good as alfalfa. The seed cost me \$3. On one end of this patch there had always been a strip of thin soil where the crops were poor. Winter before last I tore this up with some dynamite and on this strip of ground I found the peas taller by 6 inches than in the rest of the patch.

Madison, Kan.

J. C. Garst.

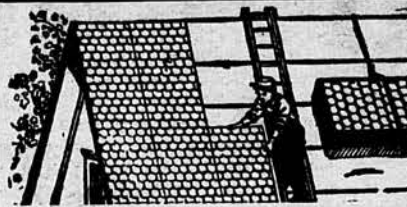
### A Pioneer Market Topper

A. B. Miller, an old friend of the Mail and Breeze, living near Logan, Kan., topped the Kansas City market this spring with a fine bunch of porkers. There were 80 hogs in the bunch and they would have made glad the heart of any hog man. Mr. Miller is one of the substantial farmers of the Solomon valley who came to Kansas 40 years ago and homesteaded. He fought Indians, buffaloes, grasshoppers, drouths, and hot winds successively, but came out on top in each instance and now owns 640 acres of the best land in the valley.

### Machines That Aid Mrs. Farmer

Among the most noteworthy helps that have recently been placed within the reach of the farmer's wife, is the gasoline engine. It pumps the water for cooking and other purposes and makes it possible for the country home to be lighted by electricity. The gasoline engine is also utilized to operate the cream separator, washing machine, and churn, and this in a large measure removes drudgery from the woman's work on the farm. Where the farm is equipped with all these modern appliances the children can be a material help and learn to do many things that will be of service to them in after years.

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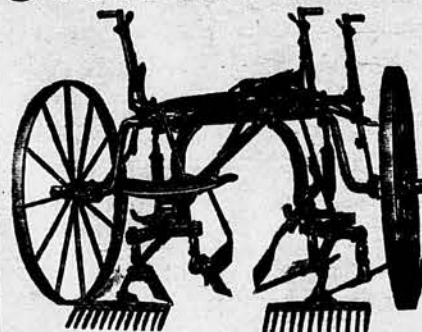
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If interested in Cultivating Corn, Shelling Corn, or Handling Corn or any other grain on the farm, write for catalogue describing the "Ottawa Line" of Farm Machinery. Address Dept. C, KING & HAMILTON CO., Ottawa, Illinois

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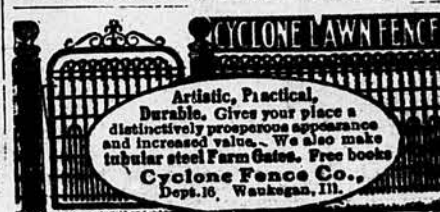
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# If You Like a Little Quiet Fun

Ask some pompous person if Grape-Nuts Food helps build the brain.

Chances are you get a withering sneer and a hiss of denunciation.

Then sweetly play with the learned toad.

Ask him to tell you the analysis of brain material and the analysis of Grape-Nuts.

"Don't know? Why, I supposed you based your opinions on exact knowledge instead of pushing out a conclusion like you would a sneeze."

"Well, now your tire is punctured, let's sit down like good friends and repair it."

The bulky materials of brain are water and albumin, but these things cannot blend without a little worker known as Phosphate of Potash, defined as a "mineral salt."

One authority, Geohegan, shows in his analysis of brain, 5.33 per cent total of mineral salts, over one-half being Phosphoric Acid and Potash combined, (Phosphate of Potash) 2.91 per cent.

Beaunis, another authority, shows Phosphoric Acid and Potash (Phosphate of Potash) more than one-half the total mineral salts, being 73.44 per cent in a total of 101.07.

Analysis of Grape-Nuts shows Potassium and Phosphorus (which join and make Phosphate of Potash) is considerable more than one-half of all the mineral salts in the food.

Dr. Geo. W. Carey, an authority on the constituent elements of the body, says: "The gray matter of the brain is controlled entirely by the inorganic cell-salt, Potassium Phosphate (Phosphate of Potash). This salt unites with the albumin and by the addition of oxygen creates nerve fluid or the gray matter of the brain. Of course, there is a trace of other salts and other organic matter in nerve fluid, but Potassium Phosphate is the chief factor and has the power within itself to attract, by its own law of affinity, all things needed to manufacture the elixir of life."

Further on he says: "The beginning and end of the matter is to supply the lacking principle, and in molecular form, exactly as nature furnishes it in vegetables, fruits and grain. To supply deficiencies—this is the only law of cure."

Brain is made of Phosphate of Potash as the principal Mineral Salt, added to albumin and water.

Grape-Nuts contains that element as more than one-half of all its mineral salts.

Every day's use of brain wears away a little.

Suppose your kind of food does not contain Phosphate of Potash.

How are you going to rebuild today the worn-out parts of yesterday?

And if you don't, why shouldn't nervous prostration and brain-fag result?

Remember, Mind does not work well on a brain that is even partly broken down from lack of nourishment.

It is true that other food besides Grape-Nuts contains varying quantities of Brain food.

Plain wheat and barley do. But in Grape-Nuts there is a certainly.

And if the elements demanded by Nature, are eaten, the life forces have the needed material to build from.

A healthy brain is important, if one would "do things" in this world.

A man who sneers at "Mind" sneers at the best and least understood part of himself. That part which some folks believe links us to the Infinite.

Mind asks for a healthy brain upon which to act, and Nature has defined a way to make a healthy brain and renew it day by day as it is used up from work of the previous day.

Nature's way to rebuild is by the use of food which supplies the things required.

## FROM THE EDITOR

He Forget That He Had a Stomach.

Talking of food, there is probably no professional man subjected to a greater, more wearing mental strain than the responsible editor of a modern newspaper.

To keep his mental faculties constantly in good working order, the editor must keep his physical powers up to the highest rate of efficiency. Nothing will so quickly upset the whole system as badly selected food and a disordered stomach. It therefore follows that he should have right food, which can be readily assimilated, and which furnishes true brain nourishment.

"My personal experience in the use of Grape-Nuts and Postum," writes a Philadelphia editor, "so exactly agrees with your advertised claim as to their merits that any further exposition in that direction would seem to be superfluous. They have benefited me so much, however, during the five years that I have used them, that I do not feel justified in withholding my testimony."

"General 'high living' with all that the expression implies as to a generous table, brought about indigestion, in my case, with restlessness at night, and lassitude in the morning, accompanied by various pains and distressing sensations during working hours."

"The doctor diagnosed the condition as 'catarrh of the stomach,' and prescribed various medicines, which did me no good. I finally 'threw physics to the dogs,' gave up tea and coffee and heavy meat dishes, and adopted Grape-Nuts and Postum as the chief articles of my diet."

"I can conscientiously say, and I wish to say it with all the emphasis possible to the English language, that they have benefited me as medicines never did, and more than any other food that ever came on my table."

"My experience is that the Grape-Nuts food has steadied and strengthened both brain and nerves to a most positive degree. How it does it, I cannot say, but I know that after breakfasting on Grape-Nuts food one actually forgets he has a stomach, let alone 'stomach trouble.' It is, in my opinion, the most beneficial as well as the most economical food on the market, and has absolutely no rival." Name given by Postum Co., Battle Creek, Mich.

**"There's a Reason" for**

# Grape=Nuts

POSTUM CEREAL COMPANY, LIMITED, BATTLE CREEK, MICHIGAN, U. S. A.

## Growing Melons For Seed

It Has Become An Industry in Southwest Kansas

BY E. M. ANDERSON FOR FARMERS MAIL AND BREEZE.

Years ago when we cut an extra good melon, father saw to it that one of the children hastened to get a gourd, a shingle, or some other absorbent surface on which to spread the seed, so that when the next planting time should come there would be seed from it, also some to spare for the best neighbor.

Doubtless you have never heard of one, Blake, who in 1907 near Tyrone, Okla., had a melon patch of more than 2,000 acres, most of it in Kansas, and every melon in it grown solely for seed. In the soil of this region the seed attains a virility and fertility not to be had in less rigorous climates.

Most melon seed is now grown under contract and much of it comes from southwestern Kansas. Hardly a seed house of note in the United States but places such contracts each spring. The seed houses furnish the stock seed to insure quality and conformity to variety and this stock seed is deducted from the amount the grower ships to them in the fall.

### Melons Usually Planted on Sod.

Sod is the favorite ground on which to plant melons. It is not so likely to develop melon blight, the bugaboo of the industry; and, it requires little or no cultivation. There is no crop more susceptible to damage from moisture-sapping weeds than melons. If planted on old ground, the soil is prepared, planted and cultivated just as for corn, either by lister or planter. Some plant only about half so thick as corn but the wise ones plant plenty, and then thin to the required stand, which is about 1 to 4 of corn. The pests that prey upon the melon crop are many. Rats, mice, gophers, rabbits and insects seem especially fond of these seed and their sprouts or infant plants. Then if the vine escapes blight, rabbits cut off the melons just setting on, and later the ripening melons fall prey to them and the coyotes. A coyote can find a ripe melon where the human animal would starve to death searching for one.

Cultivation must cease as soon as the vines attain any length, and the sod crop cannot be cultivated at all. If moisture-sapping weeds appear, and they usually do, there is but one thing that will save the crop—the hoe. A real good hand can hoe an acre a day.

Any man is welcome to all the melons he can eat from a seedman's patch,

### KNOWS NOW

Doctor Was Fooled By His Own Case For a Time.

It's easy to understand how ordinary people get fooled by coffee when doctors themselves sometimes forget the facts.

A physician speaks of his own experience:

"I had used coffee for years and really did not exactly believe it was injuring me although I had palpitation of the heart every day. (Tea contains caffeine—the same drug found in coffee—and is just as harmful as coffee.)

"Finally one day a severe and almost fatal attack of heart trouble frightened me and I gave up both tea and coffee, using Postum instead and since that time I have had absolutely no heart palpitation except on one or two occasions when I tried a small quantity of coffee which caused severe irritation and proved to me I must let it alone.

"When we began using Postum it seemed weak—that was because we did not make it according to directions—but now we put a little bit of butter in the pot when boiling and allow the Postum to boil full 15 minutes which gives it the proper rich flavour and the deep brown color.

"I have advised a great many of my friends and patients to leave off coffee and drink Postum, in fact I daily give this advice." Name given by Postum Co., Battle Creek, Mich.

Many thousands of physicians use Postum in place of tea and coffee in their own homes and prescribe it to patients.

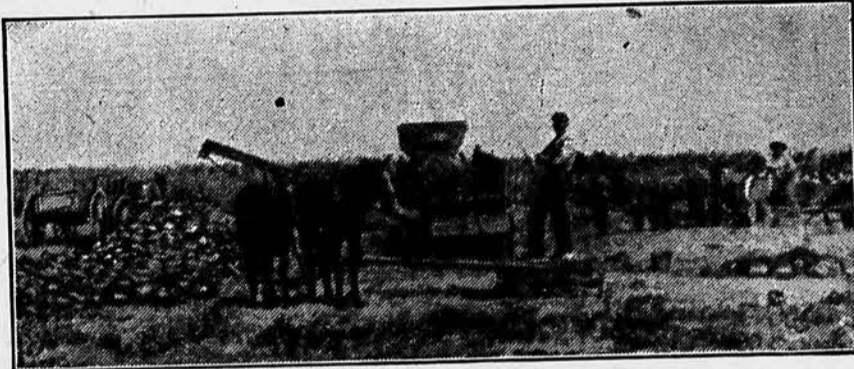
"There's a reason," and it is explained in the little book, "The Road to Wellville," in pkgs.

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

if he will but leave the seed remaining in the cups of the melon. Most of the melons are beyond the edible stage when the harvest begins in September and October; when, as the vines wither away, the melons are seen thick all over the field—so thick in the best fields, that one could traverse its entire length without setting foot to ground.

### Threshing Melons for Seed.

With all the help that can be obtained, a cumbersome machine known as the seeder or thresher, and wagons to do the hauling are taken to the center of a patch of one variety. Then the thresher, with its small gas engine or horsepower, is set beside a pit dug in the ground sufficiently large to hold the seed of that patch. The pit is generally



"THRESHING" WATERMELONS FOR SEED, IN STEVENS COUNTY.

1½ feet deep. With forks the melons are snatched from the vines and thrown into the wagons.

Pitching wheat bundles all day is much easier than pitching melons. While big and little are gathered, there are many in the patch that weigh two to five times what a wheat bundle weighs. Hauled to the machine, they are broken and thrown into the cylinder, where, by long jagged teeth, they are torn into pulp, juice and rind bits. This all passes into a large screen cylinder set sloping, that the chunks of rind may gradually, and after much tumbling about and losing the seed, juice and most of the pulp through the meshes, be ejected from its lower end. Under this cylinder is a large sheet of metal that directs

Liberal, in Seward county, is the center of the melon-seed industry and many men have based their fortunes on it, but as most of the melons are well decayed before being harvested, the work is one of the most disgusting jobs that can be imagined and the process is the same with musk melons, cucumbers, gourds, squashes, pumpkins and all their kin. However, we shall never get melons of both size and quality, until the selection of melons from which seed is taken is practised. Now, the seed we get is just as frequently from the poorest melon in the patch as from the best.

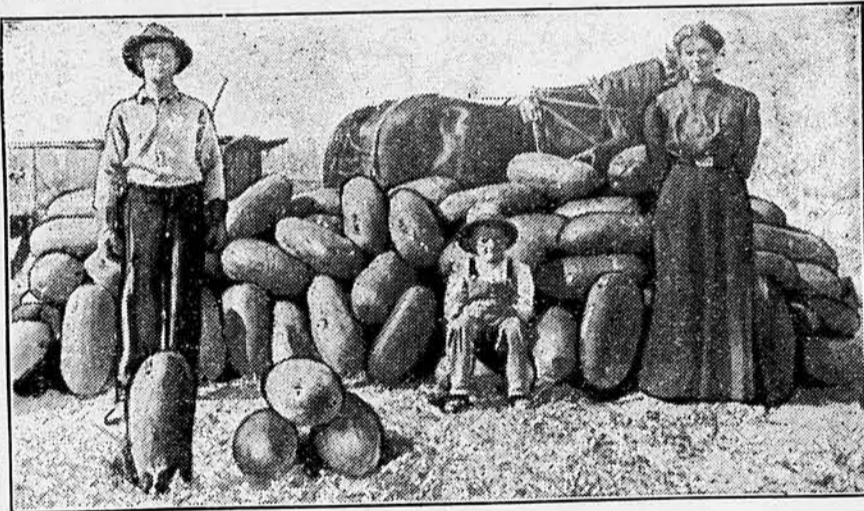
### Good Wheat Prices in Sight

Kansas, Oklahoma and other western wheat states stand a pretty good chance to get top prices for their wheat this fall. According to government crop reports 20 per cent of the country's wheat acreage will be abandoned, or 6½ million acres, approximately. The government estimates the probable crop at

370,714,000 bushels this year as against 430,656,000 bushels raised in 1911. The acreage has been cut down very little here. But this is our inning, and we have it coming to us—the other fellows got it last year.

### Wait For the Dairy Train

A special lecture train with speakers from Kansas Agricultural college will travel over the Union Pacific lines during the week beginning Monday, May 27. This will be the "Dairy and Livestock Special" which was announced some time ago. The train will start at Culver on the Lincoln branch west of Salina and the first day's tour will end at Plain-



A STEVENS COUNTY MELON RAISER WHO GROWS MELONS FOR THE SEED.

the seed and juice to the pit where they must lie until soured to a certain degree which only the experienced melon man knows. The rinds are thrown back in a worthless "straw pile" with no thought of their food value in fattening stock, but they are equal to the best foods for milk production and cattle eat them with a relish after they are dried to a crisp.

### Washing and Drying the Seed.

Taken from the pit, the seed must be washed time and again until all pulp and other foreign substances are taken from the seed. Some growers are provided with agitators and tanks for this purpose, but the less fortunate—or provident—man souses them round and round in a barrel, changes the water and souses them again. When washed they are spread on wire screen racks or boxes to dry. When dry they are fanned and then gone over carefully by hand and eye to cull from the lot any imperfect seed or seed not true to type.

ville, the second at Sharon Springs, the third at Ellis, and the fourth at Salina. Then the special will run east to Junction City, north to Clay Center and from there to Wheaton on the Leavenworth, Kansas & Western. The trip will end at Leavenworth Saturday evening. The train will stop about 35 minutes at each station along the route. There will be four lecture cars and eight speakers from the Agricultural college, two speakers for men, two for women and two for children.

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

Trial trip until January 1, 1913, for 25 cents. Mail and Breeze, Topeka, Kan.



The Aermotor with the automatic regulator stops when the tank is full and starts when the water is lowered. You oil it once a week. A gasoline engine has to be started and stopped and oiled and attended almost constantly, and you have large expense for gasoline and oil. The wind is free.

We make gasoline engines (exceedingly good ones) but, for the average water supply for the home and 150 head of stock, an 8-foot Aermotor with a storage tank, which is a necessity with any kind of water supply—is all that is needed and is by far the more economical. The supply of wind for the Aermotor is more to be relied upon than the supply of gasoline, batteries and repairs for the gasoline engine.

The cost of gasoline, oil, batteries and repairs in pumping for 150 head of stock with a gasoline engine, will buy an 8-foot Aermotor every year, and you are still to the bad the amount of time you spend over the gasoline engine.

But the gasoline engine has its place on the farm notwithstanding the fact that 100 people are maimed or killed with gasoline every year. It is injured by a windmill, and that 100 farm buildings are burned with gasoline where none is injured by a windmill. For the water supply, the windmill is the thing. Thousands of farmers who have done their first power pumping by a gasoline engine have become tired of it and are buying windmills. That is one reason why our windmill business increases from year to year. We can furnish you much testimony like the following:

Devine, Tex., Dec. 16, 1911.

I am sending you a photograph of one of the oldest windmills in this country—it being the first Aermotor put up in Medina County—and is used to furnish water for hundreds of head of cattle. It was put up in the year 1889 and is owned by Mr. Murdo Monroe. The only repairs this mill has ever needed are one small gear and a rocker arm, the total cost of which was \$2.50. This Aermotor is still running and doing good service, furnishing water for cattle and family.

LOUIS GACONET.

Find, if you can, a statement like this regarding gasoline engines.



Of course, there are places where a windmill cannot be used. There you will have to use a gasoline engine, with all of its disadvantages. We will furnish for that place a small engine which costs but \$37.50 complete, so it can be set to pumping in 30 minutes. Or we will furnish you a pump jack—the best made—for \$8.00, to do pumping with a larger gasoline engine. Send for catalogue giving full information about water supply. Aermotor Co., Chicago. Branch Houses: Oakland, Cal.; Kansas City, Mo.; Minneapolis, Minn.

### 11½ CTS. A ROD UP

Big, bright, close-woven. SOLD DIRECT on 30 days free trial. 78 styles of Fence and 54 styles of Gates. Send for our big, handsome four-color Catalogue. It will save you Money, Time and Freight. OTTAWA MFG CO. 604 King St. Ottawa, Kan.

### WHITMAN'S HAY PRESS

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New Model Steel Beauty ALL STEEL

Let us prove that our New Model is the Strongest, Most Durable, Most Economical and Simplest Hay Press in the World—does the best work—has greatest capacity—saves time, labor and trouble—contains exclusive feature found in no other press—with or without self-feed, pull back and hopper condenser—fully guaranteed—we make largest line of Ballers in the world. Write today for big free catalog. WHITMAN AGRICULTURAL CO., 6949 S. Broadway, St. Louis

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To advertise our business, make any friends and improve our great catalogue of Elgin watches, we will send this genuine 10 year guaranteed watch to any address by mail postpaid for ONLY \$2.95. The case is double hunting style and gold finished throughout. The movement is of standard American make, full seven ruby jeweled, quick train lever escapement, a marvelously correct timekeeper and fully guaranteed for 10 years. Send this advertisement with \$2.95 and watch will be sent to you by return mail postpaid. Satisfaction guaranteed or money refunded. Send \$2.95 today. Address R. E. CHALMERS & CO., 538 So. Dearborn St., CHICAGO.

### THIS BEAUTIFUL RING FREE!

Set with four Sapphires surrounded with six bright sparkling diamonds. This is positively the most beautiful ring ever given and can be had without costing you one cent by distributing only four of our large beautiful pictures at 25c. by our special plan. We send pictures at once, all charges paid, all different, printed in 10 to 17 different colors. Send no money in advance. We trust you with pictures until disposed of. You can also earn Watch, Doll, Bracelet or Lace Curtain. If you wish. KANSAS ART CLUB, Dept. 27, Topeka, Kan.

MEET ME AT THE BLOSSOM HOUSE KANSAS CITY, MO.



## Feeds & Feeding

QUESTIONS ANSWERED

by Prof. G. C. Wheeler

(Address queries to Farmers Mail and Breeze)

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

### For and Against Pit Silos.

I am thinking of digging a silo in the ground, about 20 feet deep and 12 feet in diameter with a cemented wall. What about the reliability and value of such a silo? Will silage keep as well in them as in a silo above ground?—A. S., Guymon, Okla.

Silage will keep in good shape in a pit silo built as you suggest. The greatest disadvantage of the pit-silo is the labor of getting out the feed. There is also some danger to human life from the poisonous gases which are likely to form over the surface of the silage, but where the pit is opened and exposed to the winds which are constantly blowing across your part of the country there is probably no danger of the air becoming impure.

W. F. Hubbard, A. G. Morrill, L. L. Buntain and several other farmers at Liberal, Kan., built pit silos last year. Any of these men would undoubtedly be glad to furnish you with information gained from their experiments. It would be a good plan if they could be induced to send a letter to the Mail and Breeze so that those interested in the silos of this type would know the results obtained with them this past season. Silos of this type must be considered as makeshifts and should not be constructed unless you cannot see your way clear to putting up a regulation silo above the ground.

G. C. Wheeler.

### Oilmeal For the Calf.

Will oilmeal fed in separator milk take the place of cream for calves? If so, how much should be fed per gallon of milk?—Reader, Preston, Kan.

Oilmeal is not to be recommended for calf feeding in connection with skim-milk. The name suggests to many that it is rich in oil. This is not the case, since the oil has been extracted and the residue which remains instead of being rich in oil is very rich in protein. The best grains to be used in connection with skim-milk for calf feeding are those rich in carbohydrates and fats, and there is no grain better for this purpose than corn. It is not advisable, however, to feed any grain by mixing it with the skim-milk. The calf should not be changed to skim-milk until at least 2 weeks old, the change being made very gradually. At this time efforts must be made to get the calf to eating grain, and this can easily be accomplished by throwing a little dry grain into its mouth after it has had its milk. As soon as the calf has acquired a taste for grain, it will eat of it readily. The grain should be fed dry in a clean trough or box after the milk has been given.

I suggest you refer to the Mail and Breeze of February 17 and read an article by Prof. Eckles, of the Missouri Experiment station, on the subject of calf feeding.

G. C. Wheeler.

### What to Feed Mares With Colts.

What feeds would you buy for horses and mares that are suckling colts, at the following prices: Corn 80 cents, oats 60, wheat bran, cottonseed meal, and oilmeal each \$1.50 per 100 pounds?—J. H. P., Luray, Kan.

Corn is about the cheapest feed you could purchase for your horses, and it should constitute the bulk of the grain ration. I would suggest that you mix up carefully 100 pounds of bran and about 15 pounds of the oilmeal, and give each mare about 2 pounds of this daily, per 1000 pounds of weight. In addition they will require about 10 pounds each of corn daily. You fail to mention whether the mares were being worked or not. If they are doing much work you might find it necessary to somewhat increase the grain part of the ration, and if absolutely idle, less than I have suggested will be sufficient.

A good bright alfalfa hay is a very desirable addition to the ration of horses. But it should be clean and free from dust. It should be supplied in limited amounts, since horses will almost invariably eat more alfalfa than is good for them, if mangers are filled full, as is the common practice with plain hay.

I would suggest that you write to

your member of congress, or direct to the department of agriculture, Washington, D. C., for a copy of bulletin No. 170 entitled "Horse Feeding."

G. C. Wheeler.

### Feeding Shoats For June Market.

(1) I have some shoats I want to feed for the June market that will weigh 100 to 125 pounds. I have alfalfa for pasture, shorts are \$1.50, corn 80 cents, and tankage \$2.80. Would it pay to grind the corn and make a slop with the other feeds, or would it be just as well to soak the corn on the ear and feed that way with the other feeds in slop? I would have to shell the corn before grinding.

(2) What would be the best feed for young gilts and matured sows that are to be bred for fall litters?—J. H. P., Luray, Kan.

(1) The prices you quote on feed are very high, but if hogs maintain their present high price on the market, you should be able to feed this bunch out at a profit. I suggest that you mix up 100 pounds of shorts with about 25 pounds of the tankage and feed this to your shoats in the form of a thick slop at the rate of about 2 pounds daily per head. I hardly think it will pay you to grind or shell the corn under the conditions you mention. I would soak it, however, and give them what they will consume in addition to the slop. I hardly think it advisable to allow them to range over a very large alfalfa pasture although where they have the alfalfa for pasture it will probably reduce the amount of grain consumed.

(2) The brood sows and gilts should be made to use the pasture as much as possible. I would advise that the gilts be fed some of the slop mixture that I suggested for the fattening hogs, and also a little corn, but nowhere near a full feed. You do not want your gilts to become too fat, but they should be making growth through the summer season. The matured sows will require little more than a maintenance ration. A little corn and possibly a small amount of the same slop will be all they will require. Your aim should be to make them feed as largely as possible on the alfalfa, and to merely supply enough grain to keep them in moderately good condition.

G. C. Wheeler.

[The foregoing reply was mailed in a letter to Mr. Peden on April 18, but was returned unclaimed. Not knowing his whereabouts we can only hope it will reach him through the paper, although he asked Prof. Wheeler to reply immediately by mail.—Ed.]

### Trials of Sheep Raising.

We are just beginners with sheep and have had bad luck with our three Suffolk ewes, perhaps through ignorance and inexperience. One of the old ewes had three big lambs in February and we kept the lambs and mother warm in the big kitchen. Two of the lambs died next day and the other lived a week longer. The third ewe was a yearling and dropped one lamb last evening. We put the ewe and lamb into an empty lot but at noon the next day I found the lamb dead. These lambs never got on their feet. We had cut down a grove of maple trees that had begun to bud and the sheep got to them and ate off the buds. One night the oldest of the three ewes came in so full she could not get into the barn. She died in a few days.

—Reader, Parsons, Kan.

Joseph E. Wing makes the statement that the greatest stumbling block in the way of the inexperienced shepherd is the care of the ewes during pregnancy. It is possible to feed the ewes entirely too well, or too large quantities of unsuitable feeds, and if in connection with this they are deprived of sufficient air and exercise the result is almost sure to be weak lambs. The other extreme will perhaps produce as bad results.

An inexperienced person sometimes does not realize how thin and poor the sheep are getting owing to their heavy coat of wool. If ewes are starved through the winter they cannot be expected to drop good, strong lambs, and are apt to fail to furnish milk in sufficient quantities for the lambs. An abundance of fresh air and exercise in connection with the proper feed during the winter season is an important factor in producing a good strong lamb crop. I suggest you secure a copy of the book written by Joseph E. Wing entitled "Sheep Farming in America." This can be secured from the "Breeders' Gazette," Chicago, Ills., for \$1.

The ewe you lost from eating the buds of the maple trees was undoubtedly a simple case of bloat. All ruminant animals are subject to this trouble. It is usually brought about by their getting too abundant a supply of some new and very palatable kind of food. Alfalfa and clover will commonly produce bloat and it is seldom safe to pasture either sheep or cattle upon these crops, if at all. Cases of bloat may occur, however, where animals get to green feed of any kind and gorge themselves, especially if they have been confined to dry and unpalatable feed.

G. C. Wheeler.

# Feed LEWIS' Lye to Your Hogs

Feed Lewis' Lye—not just lye—but *Lewis' Lye*, because *Lewis' Lye* is best for the hogs. Now when we say it is best we are not simply making a claim. We are stating a fact which *thousands* of hog-raisers know and say is true. You ask *why* it is best? Well this is why. Because it is the *purest* and *strongest* and most *uniform* lye made in the world. If anyone questioned this statement we would *prove* it. This greater strength, greater purity and greater uniformity makes it the *safest, surest* preventive of hog cholera and worms.

Use a little Lewis' Lye in your hog feed regularly, and keep cholera and other diseases away from your drove. Keep your hogs fat and healthy. Lewis' Lye will do it. *It does do it.* Has been doing it for nearly half a century.



The Quaker is on Every Can

## The Value of Lye in Hog Feed

rests entirely in the potash (or lye) contents. Every farmer knows and has always known that wood ashes are good for his hogs. It used to be that nearly every farmer fed wood ashes to his hogs, but the progressive and intelligent farmer today knows that pure lye is the one product which gives him the element found in wood ashes and needed by the hogs and he knows that it is more convenient to use and more beneficial to the hogs.

Now then, the only possible difference between one kind of lye and another is the difference in their strength, purity and uniformity.

Through all our years of experience in the manufacture of lye and with all the resources we have had to work with, it is only natural that we should have developed the best manufacturing processes; it is only natural that we should have learned how to make the *strongest, purest* and most *uniform* lye in the world and we have learned how and we are making the strongest and purest and most uniform lye in the world and that is the only reason we can come to you and say that Lewis' Lye is the best lye to use on the farm, whether for feeding hogs, making soap or for any other purpose.

Lewis' Lye is NOT specially prepared for hogs, nor specially prepared for soap making nor for any other one of its several uses, and let us here clearly, definitely and finally wipe out any impression which may have been created in your mind by the statements of some packers of adulterated lye to the effect that they prepare by "secret processes" a "special" lye for use in feeding hogs.

There is no special lye for hogs.

If there were any reason for making a special lye for hogs or if there were any way of making a special lye for hogs, the Pennsylvania Salt Manufacturing Company would have marketed such a product long years ago. We could have prepared a special label for hogs but the contents of the can would have been just simply Lewis' Lye—and that's all you want for your hogs.

You want the best lye your money can buy. That means that you want the strongest and purest and most uniform lye, the lye that's always the same, whose high quality never varies, the lye whose makers back it themselves, put their name on the package and stand back of it as a guarantee of its superiority, and there is just one lye that answers to that description. It's Lewis' Lye, standard for half a century.

Read the instructions for feeding Lewis' Lye to hogs—one quarter can to every barrel of feed. Now read the instructions on the "Specially prepared secret process" lye for hogs—"One-half can to a barrel of feed."

Figure it out and decide which lye you want to use.

Lewis' Lye is backed by the responsibility of the manufacturer, in whom you can put every ounce of faith. No premiums, no schemes. Just the best lye in the world. Order it from your grocer. The Quaker is on every can.

**PENNSYLVANIA SALT MANUFACTURING COMPANY**  
Manufacturing Chemists  
PHILADELPHIA, PENN'A

## Ten Eyck's Replies To Farm Questions

Conducted for Farmers Mail and Breeze by A. M. TenEyck, Professor of Farm Management Kansas Agricultural College, Superintendent Western Kansas Branch Experiment Station, Hays, Kansas.

### Name and Address Needed.

Please inform me of the best way of getting rid of buck grass on lawns.—Subscriber, Sumnerfield, Kan.

If you will send me a sample of the grass, or a good description of it, I may be able to give the information which you desire. Please give your name and address. A. M. TenEyck.

### Sweet Clover in Morton County.

I live in Morton county and am thinking of planting some Sweet clover, for I know it is a hardy plant in the East. It is sandy where I live but a good way to water.—F. M. E., Rolla, Kan.

I am enclosing circular letter on Sweet clover. While I have recommended sowing Sweet clover in the fall, we have not succeeded very well with fall planting at this station. I am trying spring planting this year. Would advise to sow just as soon as it rains and the soil is in good condition to sprout the seed. Sweet clover is well adapted to sandy land.

A. M. TenEyck.

### How Much Hay From Reseeded Clover.

A field that has been in clover for four years was killed out last summer, but has reseeded itself. It is on fairly good land. About how much of a crop of hay ought it to make this year?—C. H. P., Cherryvale, Kan.

If this clover was just newly reseeded last fall and the seed has started largely this spring and the plants are mainly spring seedlings, the field will not produce much of a crop this season. You may expect about the same crop as you would secure the first year from entirely new seeding. It is likely however, that there are a number of older plants in this field which will make the usual growth and you may expect to cut the field regularly and may secure a light yield of hay, especially at the second cutting. Also this clover ought to furnish good fall pasture.

A. M. TenEyck.

### Summer Fallow and Seed to Alfalfa.

I have been unable to get 10 acres of good bottom land ready for sowing alfalfa this spring. I have about concluded to sow it this fall if I can put the ground into some crop that will make feed and be harvested in time to sow the alfalfa. Please advise.—M. R. F., Ellsworth, Kan.

The better plan will be not to crop this land at all but to summer fallow it, giving clean cultivation, and sow alfalfa early this fall, if conditions are favorable, not later than the first week in September. If conditions should not be favorable for fall seeding or if you sow and fail to get a stand, you may seed again early next spring, since this land will be clear of weeds and in excellent seedbed condition.

You might sow millet or cowpeas and take the crop off as early as possible for hay and prepare this land for fall seeding of alfalfa by disking and harrowing. If the fall is wet, this would succeed, but with a dry fall the plan would surely fail. Also the ground would still be foul with weeds and not in favorable condition for seeding in the spring of 1913. A. M. TenEyck.

### Cultivation of Cowpeas.

Would you advise listing cowpeas in ground previously plowed and well worked down? Would one cultivation, throwing dirt to plants with two-row disc cultivator to be followed by cultivation with six-shovel cultivator and then as plants grow larger to give them two cultivations (shallow) with 14-tooth weeder, be the proper method of cultivation? Have planned to double disc 20 acres immediately after harvest next year and drill in cowpeas. Would it be advisable to plow them under after frost has killed them or to list the ground, as I intend to follow with corn?—W. A. K., Glen Elder, Kan.

Bulletin No. 160 on cowpeas has been mailed to you. This bulletin gives information on planting and culture. Cowpeas may be planted with the lister, but the furrows should be rather shallow, 3 or 4 inches deep. Level planting in a clean well prepared seedbed may give better results than listing.

I would advise to throw the dirt out of the furrow at the first cultivation if the cowpeas are planted in listed furrows. Then use the harrow once or twice to flatten the ridges and gradual-

ly fill the furrows. The six shovel cultivator may be used later to finish filling the furrows. And I would prefer this cultivator for the later cultivation, in preference to the "14-tooth weeder." There is not much danger of injuring the roots of cowpeas by medium deep cultivation and the harrow-tooth cultivator is a poor weed killer.

The plan of following wheat with a catch crop of cowpeas is a good one. This catch crop may be pastured early in the fall and plowed under for green manure immediately after the first hard frost. Or it may be better to plow the crop before heavy frost, since cowpeas quickly dry after frost and shatter the leaves and smaller stems which may be blown away and lost. Also the crop has the better fertilizing effect if plowed under while the vines are green and succulent. If there is no danger of this soil drifting with winter and early spring winds, prefer to plow rather than to list. A method of threshing cowpeas with a grain separator is described in Bulletin No. 160.

A. M. TenEyck.

### Cropping Old Alfalfa Pasture.

I have an old alfalfa pasture, pretty much killed. I am thinking of plowing it up and planting to cowpeas. Do you think it will pay? I want to plant to alfalfa again in the spring. Would it be better to plant to corn, Kafir or milo? I'm afraid alfalfa won't do well after these crops.—L. B. B., Larned, Kan.

I would advise not to grow any crop on this land this season if you desire to reseed it to alfalfa next spring. Break the sod in May or early June and fallow for the rest of the season, disking to pulverize the sod and destroy weeds.

If you break at once (May 1) and put the seedbed in good condition, you may produce a crop of cowpeas on this alfalfa breaking, provided there is plenty of rain. Milo or Kafir are more apt to make a crop on this alfalfa breaking than cowpeas this season, but these crops are likely to leave the ground in unfavorable condition for seeding alfalfa next spring. Looking towards the resetting of this field to alfalfa as the most important consideration, I recommend the summer fallow as the best preparation and surest method of starting the new seeding.

A. M. TenEyck.

### Listing Out the Old Rows.

I read your letter with much interest. This is the first season I have farmed in the newer way—listing out—and I would like to know if I should list out the old rows if we have lots of moisture? One season I tilled my milo (40 acres) with the harrow, using the two row to throw the dirt out but having no moisture to conserve we got little milo. Personally, I like to throw the dirt out, harrow a few times and then throw it in again.—C. B., McCook, Neb.

If the furrows are too wet to list well then split the ridges. Usually I would rather plant milo, cane or Kafir in the old furrows, since the soil in the furrows is likely to be warmer and more moist than the soil in the ridges. Also listing in the old furrows, (the furrows that have been thrown out in the fall or early spring) is easier on the team, driver and lister than splitting the ridges. It is difficult to list shallow and make the lister keep the ridge. We have found in splitting ridges that the team and lister works better to list every other row, or every alternate two rows, with a two-row lister.

Your method of cultivating milo and cane is all right. If the soil is not too wet at planting time plant in the old furrows, using the lister again to throw out the soil which has been drawn into the furrows by harrowing, also to kill the weeds and have a clean furrow in which to start the milo, cane or Kafir. If the harrowing is neglected and the ridges get weedy, use the disc lister cultivator or shovel cultivator to level the ridges and fill the furrows, then at planting time split the ridges with the lister or throw the soil out of the old furrows whichever seems better.

The plan of splitting the ridges a week or so before planting would give

some advantage in warming the soil in the bottom of the furrows, but if the planting is done with a drill the furrows are apt to get weedy before the crop is large enough to cultivate. By listing again at planting time, the furrows may be cleaned, but this extra cultivation takes time and is expensive. The plan should be to get the results with the expenditure of the least amount of labor and time.

A. M. TenEyck.

### What to Grow in Morton County.

If you have any pamphlets on how to farm and what to raise in western Kansas I would like to have them. I know most dry farming authorities advise to plow deep but do not say that it makes any difference, whether in sandy or hard ground. It is sandy here. I noticed in the Mail and Breeze they can raise hog melons on \$400 land and make it pay and melons grow fine here. I believe it would pay to raise them for hogs and cattle.—F. M. E., Rolla, Kan.

I am mailing dry-farming pamphlet, also circular letter. Also see Mail and Breeze, issue of April 20, for "New Facts in Dry Farming." Sandy land should not be plowed too deeply. Sometimes it is better not to plow at all, since such soil is likely to remain too loose when plowed deeply. Also if it remains dry the soil is likely to blow. Hard land or heavy soil is more likely to be benefited by deep plowing.

Sandy land in Morton county is not well adapted for growing wheat. Try the melons if you can use them. Also plant more Kafir, milo and cane. Try Spanish peanuts. Broomcorn may also succeed well in Morton county. Leave some land in grass and keep more cattle and hogs and other livestock to consume the forage and grain which you raise. Grow alfalfa on the bottom lands and in the draws, and try planting alfalfa in rows on the upland.

A. M. TenEyck.

### Summer Fallow Preceding Wheat.

I have 80 acres of land on my farm in Russell county which was in Kafir last season that I should like to summer fallow this coming season, and sow to wheat next fall. I know wheat does not do well to follow cane or Kafir. What I want to know is will summer fallowing put this ground in good condition to sow wheat next fall?—P. B. B., Lawrence, Kan.

The plan which you propose of summer fallowing this land which has been in Kafir and thus prepare it for sowing to wheat next fall is all right. The summer fallowing, provided it is properly done, will conserve the moisture, restore the fertility and put the soil again in a good condition of tilth and texture. Kafir is a strong grower and exhausts the soil very thoroughly of its moisture and available plant food. It grows late in the fall hence the soil does not have a chance to recover and get into cropping condition before the next crop is planted. But if this land is allowed to rest from cropping for a season and is well plowed and tilled so as to prevent the growth and seeding of weeds, and to store and conserve the moisture, then its fertility will be restored. Also the soil may be put into excellent seedbed condition and can hardly fail to produce a good crop of wheat following the summer fallow.

The most important factor in dry farming is storing the moisture in the subsoil. I should advise therefore that you list this field as soon as the soil is in good condition. After a heavy rain or when the weeds have started, harrow it, weighting or riding the harrow. A week or two later harrow again. Two harrowings should nearly level the field. Then plow 6 or 8 inches deep, about the middle of June, and when the weeds have started or after a heavy rain, disc or harrow again as required to prevent the growth of weeds, and conserve the moisture. The later cultivation should be more shallow in order that the seedbed may become firm below the depth at which the wheat will be planted, 2 to 3 inches.

If you will follow such a plan as here proposed, you will have secured an ideal seedbed, free from weeds, mellow at the surface, firm beneath, and well stored with moisture and available plant food.

A. M. TenEyck.

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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.

In the dairy business it's harvest time the year around.

The cows' salt box should never be empty, summer or winter.

More milk per acre as well as per cow, is the successful cow farmer's slogan.

After all has been said and done, there is no butter like good farm made butter.

Plantings of sweet corn are now in order to help piece out short pastures in August.

How did you build and arrange that milk house you think is the best in the township?

It has been found that the milking qualities of a cow depend almost as much on her sire's mother as on her own mother.

For bloat in cattle mix 2 ounces of soda and 2 ounces of ginger in 1 quart of cold water and give as a drench.—A. E. Johnson, Reamsville, Kan.

A good device to keep a calf from sucking after he should be rustling his own feed is to put a half dozen nails through a leather strap and rivet this to the nose piece of a halter made to fit him. The cow does the rest.

#### Salts a Milk Fever Preventive.

A good way to prevent milk fever, says a veterinary authority, is to give the cow a pound dose of Epsom salts a week before calving. But this should be done only in cases where the cow is in good flesh or well fed. Dissolve the salts in water and pour down the throat as a drench.

#### Act Quickly for Bloat.

Bloating usually occurs when a hungry animal is turned onto a green forage crop, as alfalfa or clover, when it is young and succulent or when wet with dew or rain. One cannot act too quickly in case of bloat. One method of treatment is to tie a bit in the animal's mouth, about the size of a fork handle. Then pass a piece of rubber hose down the throat to the first stomach. As a last resort the animal should be tapped to allow the gas to escape. If a special instrument for this purpose is not at hand use a small bladed knife; make the puncture about

6 inches in front of and slightly below the left hip bone. A quill or other small tube may be used to permit the gas to escape but one must be careful not to allow it to slip into the hole out of reach.

#### Milking Cows For a Schooling.

Two cows at Kansas Agricultural college are furnishing milk for 52 families, 1 quart per day for each family, and then there is about a gallon left from each day's output. One of the cows is a Holstein averaging about 66 pounds of milk daily, and the other is a pure-bred Jersey averaging 48 pounds per day. The product of these two cows is taking George Campbell, a student, through the college, for he is selling this milk on shares. Young Campbell supplies his 52 customers with milk early in the morning while the rest of the students are still asleep.

#### Summer Feeds the Year 'Round.

[Prize Letter.]

Mr. Editor—Cows produce best during May and June because at that time there is plenty of easily digested food at hand and they are also comfortable. In order to get the best returns the year around we must keep these facts in mind and feed intelligently. As the season advances after June, the pastures get dry and other succulent feed must be provided. This is made possible by planting patches of corn and feeding it green. In the winter time silage takes the place of this green feed and with such additional feeds as clover, alfalfa, cottonseed, oilmeal, etc., the ration can be balanced and the cows kept up to their highest state of production. To feed cows economically they must be fed individually.

Harry Beltz.

La Crosse, Kan.

#### Making the Skimmer Secure.

[Prize Letter.]

Mr. Editor—Here is a scheme for fastening a cream separator down on a cement floor which we have tried and found very satisfactory: Before putting in the cement floor, a 3/4-inch bolt was threaded to the middle, then put through a hole in a small piece of scrap iron. The bolt and iron were firmly imbedded in the fresh cement, leaving the threaded end sticking out. The base of the separator was then firmly bolted to two pieces of 2 by 4 and the machine set directly over the bolt in the floor. Then an old disc from a disc harrow was slipped over the bolt so the edge extended out over the 2 by 4 on each side. A nut was screwed down tightly over the disc. In case the cement floor has already been laid, chisel out a hole about 6 inches square, making it flaring at the bottom. Then set in your bolt and fill the hole with a mixture of equal parts cement and sand.

LaCrosse, Kan.

#### Spring Handling of Calves.

[Prize Letter.]

Mr. Editor—I like the plan of milking the cow and taking the calf away right at the start. The calf can then be more easily educated to drink from the bucket. After giving calves whole milk for two weeks they can stand a little separator milk but I am always careful to warm it and to remove the froth from it, as this is one cause of scours. From that time I increase the amount of skimmilk gradually. When 2 weeks old I apply "muley maker" to their horns which is only a 2-minute job.

I have been feeding corn and oats twice daily, as much as they would clean up, also alfalfa hay. At noon they have water to drink. I find that when calves have been kept in the stable all winter they come out in the spring badly infested with lice so the first warm day I give them a thorough wash with stock dip as the directions state and about 8 days later repeat it for the lice that have hatched from eggs after the first application. This method is good for spring as well as fall calves. I find that calves will not thrive in the spring when they get only skimmilk and grass. They need some alfalfa in addition as grass and milk are too "washy."

N. D. Mast.

R. 5, Hutchinson, Kan.

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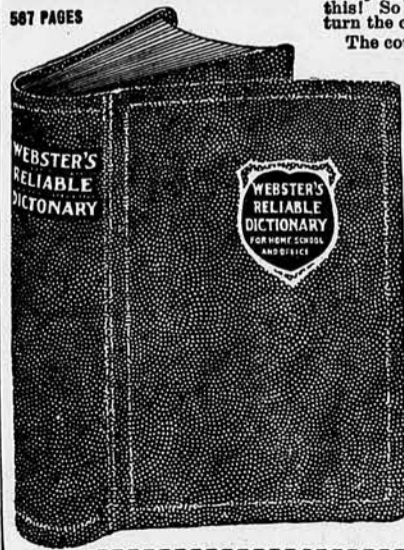
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## VETERINARY ADVICE

Conducted for Farmers Mail and Breeze  
BY DR. F. S. SCHONLEBER,  
Professor of Veterinary Science  
Kansas Agricultural College.

Our readers are invited to consult Dr. Schonleber in an advisory way in case of trouble with livestock. Be sure to state the history of the case, location of the disease and the conditions under which animal has been kept. If a horse state weight. Also write across the top of your letter to be answered in Farmers Mail and Breeze and always sign name in full. Unsigned inquiries will not be answered. Answers will be published in turn.

### Lump Jaw or Tuberculosis.

I have five cows all giving milk but about three weeks ago I began to notice hard lumps forming in their udders. They are going down in their milk all the while. The udders do not seem to be sore. Can you give me some advice?—J. M. Girard, Kan.

Would be inclined to believe that there is one of two things troubling your cow, either actinomycosis (lump jaw), or tuberculosis. I believe it would pay you to consult Dr. Britt of your town and if necessary to have him apply the tuberculin test.

### Foot Troubles.

I have a young horse 2½ years old whose first joint above his hoof on each fore foot pitches forward especially when driving him. While traveling these joints seem to be so loose that it is dangerous to trot him on a down grade. Can anything be done for him?—J. T. H., Dill City, Okla.

Would examine thoroughly to see whether there are any tender spots around the back portion of the hoof anywhere, or see if there are any bad corns present. If not, and it is caused merely from the condition of the ligaments, would keep his feet properly trimmed and rub in a good stimulating liniment around the joint, especially around the back and sides.

### Sore Shoulder Treatment.

I have a work horse 5 years old, weighing about 1,100 pounds, that has a very sore shoulder that I cannot heal up. The sore is about the size of a quarter and it will heal over with a few days' rest but as soon as I hitch him up it is as bad as ever. It bleeds but does not seem to pain him very much. There is also a yellow matter that comes out like sweat. What can I do for it?—W. W. G., Jennings, Kan.

If there is an enlargement this should be cut out, and the wound healed over. If not, it might be that applying a little powdered alum every day or two would help it, or even a little powdered copperas. Sometimes it will be necessary to use a white hot iron and just sear over the outside of it before these cases will heal.

### Loose Bowels.

I have a 3-year-old mare weighing about 1,200 pounds that is troubled with looseness of the bowels although not very badly. It does not seem to make any difference what we feed her. What can I do for her?—F. B. F., Peabody, Kan.

These young animals frequently out-grow this trouble. It may be caused from the condition of the teeth or there may be a little too much of a stimulation of the bowels from some pressure upon the nerves. Treatment is not always satisfactory but would try giving her a teaspoonful each of powdered ginger and powdered hyposulphite of soda once a day in her feed.

### Death From Brain Trouble.

I lost a horse last week that was suddenly taken ill in the morning. While feeding him he acted frightened, then broke loose from the halter and staggered over to the wall, his legs trembling. In a few hours he fell and in six hours more was dead. What ailed him and could he have been saved?—G. W. M., Heiser, Kan.

In all probability the trouble was brain trouble—cerebritis. It may have been caused from the animal eating moldy or injured grain. It is doubtful whether or not a veterinarian could have done any good to the animal if he had been on the grounds as soon as you noticed it yourself. He was no doubt too far gone before showing any symptoms of the trouble.

### A Wash For Lousy Stock.

What is the best means of getting rid of lice on colts?—C. F. Peabody, Kan.

An emulsion of kerosene or soap and water are good, also the application of what we call lime and sulphur dip, which is made by thoroughly boiling for 3½ hours a proportion of 8 pounds of lime and 24 pounds of sulphur to 100 gallons of water. The lime and sulphur are boiled in a small quantity of water first and allowed to settle for 48

hours, when the liquid is drawn off and sufficient water is added to make the full amount. It might be well to try this on a small part of the colt first in order to see that it is not too strong and takes off the hair. If it does add a little more water. This is also good for mange in both cattle and horses.

### Sudden Death of Colt.

A few days ago I had a mare bring a colt that seemed all right and appeared lively but it died the second day. It had no chance to get hurt and its bowels acted all right. Neighbors told me it died because it had not cut its teeth and have also been told that its death was due to helping it up to suck the first time which I did. I never believed in such notions. What is your opinion?—M. M. B., Garden City, Kan.

The teeth did not have anything to do with the death of this colt. Am inclined to believe that the trouble was with the circulation of the colt. It might have been that the heart was not in a good condition and the openings did not close up as they should. So far as those other notions are concerned, we have seen enough to say from experience that there is nothing to them.

### Growth on Nostril.

I have a 3-year-old gelding that has a growth on his nostril about the size of an egg. He had a small growth there at birth and it has been growing larger ever since. It is soft and seems to be in the skin.—R. A. C., Wauweta, Kan.

If this growth is soft would suggest that if you can get a qualified veterinarian to examine it and treat it for you. If you treat it you should open it and let out the material that you will find and with a swab touch up the internal parts with pure tincture of iodine and then keep it clean by washing with some good antiseptic. Would leave the inside alone as much as possible.

### Navel Enlargement.

I have a bull calf 10 days old that has a bunch on its navel. The navel is healed up nicely but the end tube seems to be clogged. Is there anything serious about this and what could be done for it?—G. R., Florence, Kan.

Would bathe this enlargement about 10 minutes at a time with some warm water containing about 1 heaping teaspoonful of nitrate of potash to the pint. Do this every day until the enlargement either goes down or forms

Hit it where you missed it last year. That is one of the secrets of good farming, says Mail and Breeze.

an abscess. Should it form an abscess, would open it and inject some good antiseptic. If there is much hardened tissue present after opening the abscess would swab it out with pure tincture of iodine every few days.

### Tuberculosis or Lump Jaw.

I have a 5-year-old Jersey cow that was fresh about six weeks ago. She eats heartily and seems in good health but has been losing flesh lately. About a week ago I first noticed a lump the size of your two fists, hard but movable, along her collar bone. There is a smaller one in front of her hind leg in the groin, and another the size of an egg under her ear. Can you tell me what to do for it?—W. F. K., Mountain Grove, Mo.

Am suspicious that there is one of two things the matter with your cow. Either she has a bad case of actinomycosis (lump jaw), which is somewhat contagious or she has a case of tuberculosis. In either case I would not use the milk until after you are positive what the trouble is. An animal in this condition would probably not react to the tuberculin test and as a consequence about all that could be done would be to have some perfectly qualified veterinarian examine her and also open one or two of these abscesses in order to find out which disease it is. If it is lump jaw you might be able to help her some. If it is tuberculosis the sooner you get rid of her the better.

### Looks Like Abortion.

I have a standard bred trotting mare about 15 years old that had a colt in the spring of 1910. This colt was ruptured between the hind legs when born and it had to be operated on when 5 months old. It lived only about three hours after the operation. I bred the mare again to foal last May but she lost her colt 6 weeks ahead of time. I then bred her to foal April 30 of this year but she again lost her colt March again?—W. H. P., Redfield, Kan.

It looks as though your mare is affected with contagious abortion. This may stay by her for some time and is liable to effect other animals through

breeding. It is possible that you may get her over it but before breeding her gain would give her the yeast treatment every three or four weeks for several times which may be done as follows: Take 1 small cake of compressed yeast, which may be had at almost any bakery, allowing it to stand over night in about ½ teacupful of warm water, and next morning add about ½ pint of luke warm water, strain it through a cloth, then let it stand until toward evening, then add another pint of water and inject into the mare, being sure that she retains it. If there is any discharge present whatever, would not breed her for several months after it clears up. It may be that she will eventually carry her foal to full term, but would as a precaution feed her about a teaspoonful of carbolic acid mixed with a little water and mix in her grain once a day for about 10 days every month beginning with the sixth month after breeding.

### Old Cut Causing Trouble.

I have a mule that is lame and I believe it is sweeney but have had no experience with this trouble. She was cut on the inside of her leg between the hock and ankle. This happened last August and the cut was from an ax that was sticking in a stump. The scar is there but there is no swelling and she does not seem to be sore there. She does not bear any weight on that leg while standing and is continually raising it. Her hip seems to be a little shrunken. She has been lame for about a month. What can I do for it?—K. P. H., Farris, Okla.

The shrinking of the muscles is the result of her favoring the leg and it will get worse the longer she is in this condition. What the trouble might be is a question, but it looks very much as though the scar and thickened tissue are pressing upon a nerve which is causing this trouble. If you are sure that the soreness is located directly where this wound was and where the scar is, I would soften it by rubbing in a little lard every day or two directly upon the scar. From the description you give however, it looks as though the trouble were located somewhere else and if so would be sure to find it, for in this case your treatment upon the site of the wound will help very little. A reasonable amount of exercise should be good for the animal.

### String Halt—Splints.

(1) I have a 9-year-old mare weighing 1,100 pounds and in good condition that appears to be getting string halt. I can only notice it when first brought from the stable. What causes this and can it be cured?

(2) I also have a 3-year-old gelding that has never been worked and he has splints on his forelegs. Would be glad to have any suggestions as to what to do.—B. A., Abilene, Kan.

(1) There seems to be two different causes for string halt, the one being injury and the other being purely nervous. In either case very little can be done excepting to allow the animal plenty of exercise, good nourishing food and give her protection from the weather. Frequently, operating upon one of the tendons near the hock joint will relieve the trouble.

(2) When splints are present in a very young animal, it frequently results in considerable enlargement of the bone, which can be helped very little. Try a good blister made of biniodide of mercury and lard mixed thoroughly (biniodide of mercury 1 part, lard 8 parts) and a small amount, about the size of an ordinary pea, rubbed in thoroughly over the parts affected, tying the animal up so he cannot bite it and in 12 hours afterwards wash it off with soap and warm water and put on pure lard. Grease it in this way every day or two to keep it soft. Repeat this in the course of six weeks or two months. If the animal is very valuable, it is best to have a qualified veterinarian examine the case in order to be sure of what you are doing.

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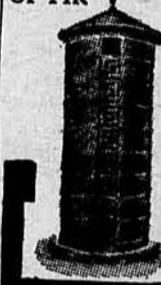
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Our Great Offer! By a special arrangement we are able for a limited time to offer "Gleason's Horse Book" absolutely free—postage prepaid—to all who send us \$5 to pay for a 6-months—new or renewal—subscription to our big farm weekly. Send your name and \$5c at once. Mail and Breeze, Dept. H B-10, Topeka, Kansas

## 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 Farmer Should Set the Price.

Mr. Editor—We need organization that will place us in a position where we can set a price on our products instead of letting others say what we must take. It is useless to expect to accomplish this through legislation, as that has been tried often enough. But when farmers once organize, keep out of politics, and study their profession, they will be better contented.

Siebert, Colo.

J. C. Love.

### Purebred Sires Greatly Needed.

Mr. Editor—There is one thing every farmer should know, and that is the value of a purebred sire for all farm

It is Mail and Breeze opinion that cleanly premises will go a long way toward making it unnecessary to swat the fly so often.

animals. With more of our pasture land being broken up every year and the increase in the cost of feed production, we must raise such animals as will mature quickly and on a minimum of feed. Nothing will accomplish this so well as the use of a purebred sire, and yet it is surprising how many farmers are trying to make money with stock by the use of lowbred sires. Another thing every farmer needs is a good farm paper, like Farmers Mail and Breeze.

Jetmore, Kan.

C. C. Cogswell.

### Keep Your Smoke House at Home.

Mr. Editor—The greatest need of farmers is to practice economy. Take it in meat production; too many farmers have their smoke houses in Kansas City and Chicago. We could go back to the good old days of our grandfathers and improve on the present system. We now sell our meat on the hoof to the shipper, who sells it to the commission merchant, who sells it to the packer. The packer sells it back to the jobber and retail merchant and then it is sold by them to the consumer. Here are four distinct profits besides the railroad haul each way. We simply buy back our meat after paying all the freight and commissions.

Jetmore, Kan.

C. E. Boughton.

### Believes Cash Poll Tax a Mistake.

Mr. Editor—In the times when the landowners had the privilege of working out their road tax they never hesitated in case the road needed another's day work after they had worked out their time. They simply donated this extra time, but now, since they are compelled to pay the money in to the county treasury, you need not expect them to work a minute overtime. Before this law came into effect we had better roads, and with less expense, than we have now. I believe that if the money, spent for high-priced road engineers, were turned over to a competent man with a team and road scraper, more would be accomplished. Give the landowners a chance to work out their land tax, also the right to select their own road boss.

Girard, Kan.

Road Overseer.

### Why Not More Pretty Farm Homes?

Mr. Editor—Farmers have the tools, the teams and the help to make the home and surroundings present an attractive appearance with much less outlay than the city man. Why don't they do it?

We have recently settled on a new place and this is the way we are fixing it up: Our house is an 8-room, square, 2-story building with an 8-foot porch on the south and east. The house is on a slight elevation. After removing all the rubbish left by builders we took a heavy turning plow and threw the dirt to the house all around, dragged down the high places with a scraper and har-

rowed the ground until well pulverized. The lawn will extend 100 feet from the house on all sides and will be seeded to grass after giving it a liberal coating of ashes and fine manure. We will have concrete walks leading to the gate on either side with several flower beds along the border. There will be shrubbery near the outer edges and in the backyard a grape harbor. Then to finish it we will have a row of cedars along the outside.

Elsie M. Jones.

Lowery, Okla.

### Farmers' Confidence in Capper.

Mr. Editor—We farmers are pleased to say we have a great deal of confidence in Mr. Capper's candidacy for governor. He is a man of exceptional ability and if elected we believe he will do all in his power to give us a good, satisfactory administration. We want a man who is progressive from every standpoint, who will give a square deal to everybody, who will see that our present high valuation for taxes is at least not increased, and who will require full value received for every dollar of public money spent. Such a man we believe Arthur Capper to be. The people of Kansas feel that they are acquainted with Mr. Capper through his papers which he has managed so successfully. And we want Theodore Roosevelt as president of these United States.

Amos A. Koehn.

R. 1, Durham, Kan.

### Plan for a Co-operative Store.

Mr. Editor—I was reared under a co-operative store system, one of the best this state has ever seen, but it was not good enough to withstand the strife from within. It has been my dream to evolve a system that should prove perfect. Here is my plan: Incorporate to insure safety and strength. Issue shares of stock at \$100, only one to each shareholder, and make them non-transferable except by and with the consent of the company. Make these shares non-assessable and let them bear 10 per cent interest per annum, in order that the poor man whose credit is good can borrow the money at the bank, buy the stock and share the benefits with his wealthier neighbor.

And now the vital point: Pay the common dividend declared at the end of each year, not on the stock but on the sales made to each member. If A trades at this store to the amount of \$1,200 during the year and the business of the institution has amounted to \$120,000, with a net profit of 5 per cent, then A's share would be a trade book for \$60. B, who does only \$400 worth of business, would get but \$20, although having the same investment with us. Possibly, B has spent \$600 during the year with the mail order houses.

Give credit at the store to every man who desires and needs it to the amount of his stock but not a cent more. Do business on a good margin, in order that

Soil like a horse must be well fed and well cared for if it is to give the right kind of service to its owner. A fact Mail and Breeze believes in.

those not in the company would have to pay the same amount of profit as at any other store. Make the dividend on the business cumulative by the will of a majority.

The volume of business done would give a large margin to a careful buyer because he would be able to buy in bulk what an ordinary merchant must buy in dribblets. The stock, as is readily seen, is but preferred stock or bonds if given a date of maturity.

Hugoton, Kan.

E. M. Anderson.

### BIG CAMPAIGN OFFER!

Weekly Capital From Now Until November 15 for Only Ten Cents.

If you will cut out this notice and return to us in 20 days with 10 cents we will enter your name for a paid-up subscription to the Kansas Weekly Capital from now until November 15.

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The Green River Basin of Wyoming offers you better opportunities than any other farm lands in the country. Land here is now selling at \$25.50 to \$30.50 an acre. This is less than half of what land is worth in the rain-belt states, and the expense of irrigating here is less than one-third of what it would cost you in any other state.

#### 100% More Profit Per Acre

Official Records show that the average value of all crops, per acre, for Iowa, Missouri, Kansas, Nebraska and Illinois is \$12.17. Land there is worth from \$45 to \$150 an acre, while the average value per acre, for Wyoming crops is \$26.20. This means you will get \$14 more per acre, with one-half your present investment, when you settle in the Green River Basin.

#### World's Record Crops Produced Here

Wheat, Oats, Red Top, Alfalfa, Potatoes and Garden Truck yield abundantly and unfailingly on Green River Basin Irrigated Farm Lands. The World's Record Potato Crop, 987 bushels to the acre, was produced in Wyoming.

#### Irrigation Prevents Crop Failures

Water being the life of the farm, irrigation is the only guaranteed supply. Crop failures due to lack of water, or to too much water, are impossible. You can regulate your water supply—all the water you want when you need it—turn it off when you don't want it. You simply can't lose.

#### Irrigating Canal Now In Operation

In settling on these bountiful farm lands, your crops can be started at once. The company's Cottonwood Canal is already in operation and its North Piney Canal is almost complete. These canals will always supply you with all the water you want. They are a part of the costly project fathered and developed by this enterprise.

#### 8000 Feet of Lumber FREE

The Green River Basin lands are near the United States Forest Reserve, where every settler can get 8000 feet of lumber FREE—enough to build a house and barn. Schools, churches and other advantages are plentiful, and, in addition, you get 100% more profit, with one-half your present investment on

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"The Land Of Never Failing Crops"

#### Stock Raising—Big Paying Business

The nutritious quality of Wyoming's native grasses, the dry, healthful climate, the pure, fresh water and the clear winters make stock raising here a most profitable industry. Horses, cattle and hogs are bred and raised with wonderful success, free from diseases. Hog Cholera is unknown here.

#### Here Is Your One Great Opportunity

If you cannot take advantage of it, give your son a chance. Send him here now, before the railroad is built. He can make more money on these farm lands than you have ever made in the rain-belt.

#### Get a Copy of Our Free Book!

Send the coupon today. This book gives you a complete and accurate description of the great inducement offered settlers on Green River Basin Farm Lands. Every statement contained in it has been authorized by the State Board of Immigration.

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The beauty of this flower of the Orient is well known. Few people realize, however, how easily they can be grown. The Chrysanthemums described are among the best and most valuable varieties; they are healthy growers, early and abundant bloomers and bear flowers of the largest size and most beautiful shades of color. Here is a brief description of the six varieties included in our great free offer:

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#### SIX COLORS:

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## QUESTION CORNER

Questions bearing on farming or stock raising answered in this and other columns of Farmers Mail and Breeze. Sign full name, not necessarily for publication. We are sometimes able to give the questioner additional information privately, or a more immediate reply by mail, if stamp is enclosed. Address Editor Farmers Mail and Breeze, Topeka, Kan.

### For the Chicken Eating Sow.

Do you know of a good, effective way of breaking a sow of chicken eating?—N. K. Jewell, Kan.

A recommended remedy for this habit is to give about 1-3 teaspoonful of copra twice a week in the feed of the sow. Also kill a jackrabbit now and then, if possible, and let the sow have it. The sow has a craving appetite that makes her eat the chickens which will be satisfied by these measures. It will also keep sows from eating pigs.

### War on the Striped Beetle.

Will you please tell us how to destroy the little striped cucumber bugs that kill cucumber and squash vines?—A. E. H. Oberlin, Kan.

These beetles are hard to get rid of, especially when in large numbers. Scattering air slaked lime about under the vines will usually drive them away for a time. Spraying with a combination of Bordeaux mixture and lead arsenate is another fairly successful way of getting rid of them. Scattering wood ashes, tobacco dust, etc. about vines is often resorted to and is moderately effective.

### Seeding Alfalfa in Oklahoma.

I have a piece of ground, mostly black, sandy loam, which I have just plowed on an average of 6 inches deep. I want to get it into alfalfa. Could I do this successfully this spring or had I better wait until fall? If I sow in fall what crop could I put in this patch now?—J. W. P. Gage, Okla.

It is now almost too late to start alfalfa this spring. However, if conditions are very favorable and the soil is already prepared it might be well to plant it at once. Unless the soil is in good condition and ready to plant we would advise waiting until fall. In no case is it wise to attempt to start alfalfa either in the spring or in the fall unless conditions are favorable. If the crop is not started this spring there is nothing better than cowpeas to precede the crop of alfalfa seeded in the fall.

O. O. Churchill.

Oklahoma Agricultural College, Stillwater.

### Gypsite as Fertilizer.

Could "gypsite" in its natural state be used to advantage in applying it as fertilizer to alfalfa fields and other crops? Are the properties contained in gypsite the same as in "gyp" or hard water? Is the finished plaster better for fertilizer than the uncooked or is there no merit whatever in plaster for fertilizer except to improve the physical condition of the soil?—W. S. Gypsum, Kan.

Gypsite is an impure gypsum. It can be used as a fertilizer for alfalfa and other leguminous crops with especial advantage where the soil is deficient in calcium. Calcium is a metal which in its compounds is used in large amounts by all legumes, such as peas, beans, the clovers, and alfalfa, and it is important that land on which these crops are grown possess this element. There is no advantage in using the finished plaster, excepting that in weight it would contain a greater percentage of calcium on account of the water having been driven off in burning. On the other hand it has the property of setting and on this account might form lumps. The unburned material should of course be furnished at a lower price than that which has been burned. In some cases gypsum has been found to be beneficial when applied to land that is deficient in calcium. Gypsum dissolved in water gives it a permanent hardness and such water is often called "gyp" water. Manhattan, Kan. J. T. Willard.

### Propagating Honey Locusts.

Will you please tell me through the Mail and Breeze how to propagate honey locusts from seed?—E. A. G., Poe, Kan.

Our method of treating the seed is to gather the pods in the fall when they fall from the trees, run them through a grain separator to break up the pod, and separate the seed from the pod. The seeds are then stored in a dry room until spring. When preparing to plant the seed, a quantity of them are placed in a barrel and water heated to a temperature of 175 degrees is poured on

and allowed to remain until the hard outer shell softens. Frequently it requires two or three applications of hot water to affect the seed, the cold water having been drawn off each time a fresh supply of warm water is put on. Cold water will answer the purpose, but requires a greater length of time. The object of such treatment is merely to soften the hard, flinty shell, so that the germ may burst through the coat.

The hard flinty coat becomes gelatinous in texture and when in this condition the seeds are skimmed out of the water and planted at once before they have an opportunity to dry.

The soil in which they are planted should be well pulverized and in a good physical condition. Plant in drills and cover 1½ inches deep. The seeds should be planted at the rate of 25 or 30 to the linear foot.

The trees can grow for one or two years in the seed rows in this manner or until they are large enough to set out in a permanent site.

Charles A. Scott, State Forester.  
Manhattan, Kan.

### Lighter Farm Engines Now

Evolution is taking place in the use of engines for farm power just as it has and is taking place in the motors used for travel. The first oil and gas engines used for farm power were of the heavy, slow speed type, and it was generally accepted as a fact that an engine must be more or less massive in its build to be long lived and durable. At the present time there seems to be more or less of a tendency to turn toward the lighter types of gas farm engines, built along the lines of automobile or aeroplane motors—something like the binder engine. Just why the light, high speed engine should not be as efficient to furnish farm power as they are to furnish power for road or air traveling vehicles would, we believe, be hard to demonstrate or prove. Perhaps we are just learning something new that had been overlooked before.

### A Bigger and Better Corn Crop

In his spring crop report Secretary Coburn says the Kansas board's reports indicate that more intelligent attention is being given this spring to the selection of reliable and high-class seed corn than has ever before been general. As has been expected there was considerably less sowing of oats than last year and will be an increased acreage to corn, although nearly all the latter is yet to be planted. Farmers in some of the prominent corn localities suggest that less corn will be put in and more Kafir, especially in Butler and some other counties, but on the whole the prospect is for a substantial gain in corn acreage.

### LATEST KANSAS MAP FREE

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For the purpose of quickly securing new and renewal subscriptions to the great Kansas weekly, the Farmers Mail and Breeze, that paper has made arrangements to give away 5,000 of the latest official wall maps of Kansas and United States with the 1910 census complete.

This home, or office, library wall map is now the latest and best map of Kansas and United States to be had at any price. It is 28x36 inches in size, splendidly colored with beautiful half tones on the heaviest enamel paper. It shows the newest railroads and every postoffice and contains a complete index of the population of every city or town in the State.

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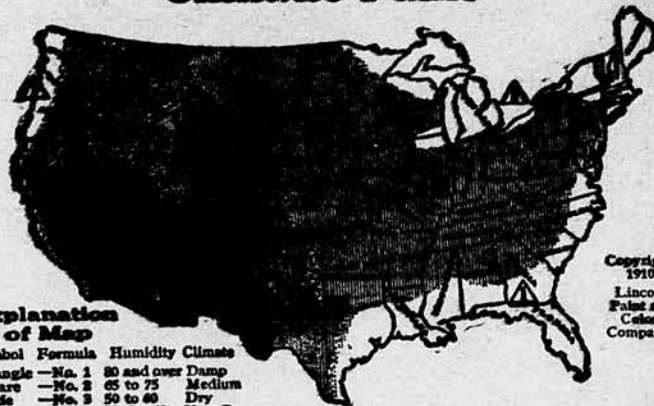


For Damp Climate

For Medium Climate



## There Can Never Be Any Other Correct Climatic Paint



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### Explanation of Map

Symbol	Formula	Humidity Climate
Triangle	No. 1	80 and over Damp
Square	No. 2	65 to 75 Medium
Circle	No. 3	50 to 60 Dry
Cross	No. 4	Under 50 Very Dry

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

One application of my Processed Crude Oil will do more to rid your stock of lice and cure them of mange than three applications of any other preparation on the market, for the reason that it kills the nits as well as the lice, and remains on your stock for so long that it thoroughly cures them of mange. Put up only in 32 gallon barrels, and sold for \$5.00 per barrel. Why pay \$1.00 per gallon for a dip when you can get the best for less than 16c per gallon? My PURE CRUDE OIL is an excellent lubricant for all kinds of farm machinery and for painting farm tools to keep rust off. \$3.50 per barrel of fifty-two gallons. See my advertisement of refined oils at wholesale prices in next week's issue. Send cash with order. Address C. A. Stannard, Box M, Emporia, Kan.

## FREE Six Beautiful MONTHLY-BLOOMING ROSES

Here is the most attractive Free Premium offer ever made! It is an offer which should bring 50,000 new subscriptions to our popular farm magazine during the next few weeks. Everyone loves flowers and the one special favorite of all is the Rose. In order to make this by far the most attractive and most winning offer ever advertised we have secured a superb collection of six of the most beautiful roses to be found in America. They are not cheap, common varieties—they are the rarest and most famous plants ever offered. They are well-rooted, strong and healthy—guaranteed to give satisfaction or money cheerfully refunded. We head this big-value collection with



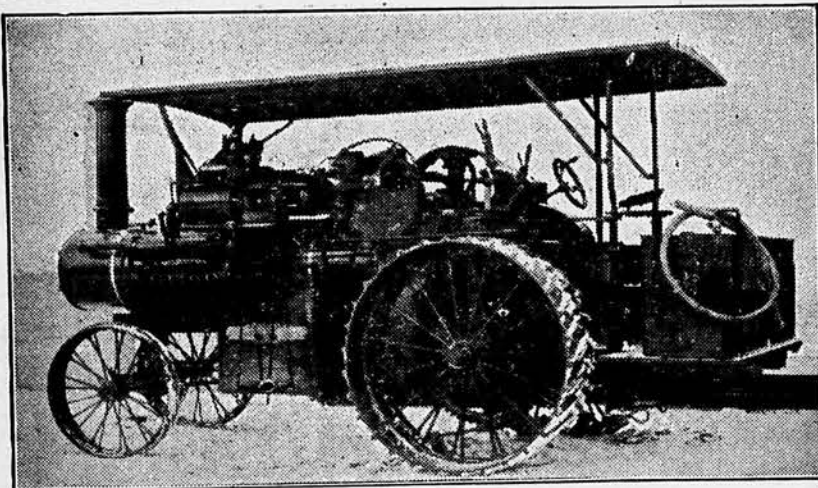
### The "Blumenschmidt"

Wonderful  
The Latest and Most Beautiful Rose Discovery!  
This latest and most beautiful variety is alone worth more than the small sum we ask you to send on this special offer. In this newest Rose creation we offer you an improved and glorifying, monthly blooming plant, with flowers of pure citron-yellow, outer petals edged with the slightest tint of rose. A variety of most vigorous growth and winner of many premiums at horticultural shows.

In all, Six Different Colors: Red, White, Silvery-Carmine, Golden Yellow, Pink and Crimson.

The other Roses included in this most exceptional offer are all first quality plants, carefully packed and sent prepaid at proper time for planting. They are as follows: The wonderful new CRIMSON REDDER, the HELEN GOULD, a magnificent, velvety, pink everblooming; the BETTY, a remarkably fine shade of golden yellow; the MME. JENNY GUILLIMOT, a sweet silvery-carmine rose ever offered; the WHITE MAMM COCHET, snowy white, with rich, full flowers. This liberal offer is made solely for the purpose of advertising our big farm paper, The Mail and Breeze. Here is our offer. We send all the above collection of six fine roses with One Year's subscription for only \$1.00. Order at once before they are gone. Address

FARMERS MAIL AND BREEZE, Rose Dept., 801 Jackson St., TOPEKA, KANSAS



### A Few Facts About a Traction Engine. Read Them

In selecting a traction engine, too much attention cannot be given the most vital and highly essential part—the Boiler. In the Aultman-Taylor traction engine, we are offering you a boiler without a peer. An exceptionally deep fire-box, which prevents leaky flues, and provides a proper combustion chamber, flues have ample wall space and are beaded at both ends, boiler is ample large to supply the cylinder under the most adverse conditions.

Before buying a traction engine, just take time to examine the Aultman-Taylor and you will readily be convinced that it is the engine you want.

THE AULTMAN & TAYLOR MACHINERY COMPANY, Mansfield, Ohio.  
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ANYBODY CAN LAY IT.

**Rubber Roofing**

Warranted For Twenty-Five Years. To Any Station East of Rocky Mountains, except Texas, Okla., Colo., N. D., S. D., Wyo., Mont., N. M., La., Ga., Ala., Miss. and Fla., on all orders of three rolls or more. Special Prices to these States on request.

**ONE-PLY** . . . Weighs 35 lbs., 108 Square Feet, \$1.10 per roll.  
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Write for FREE SAMPLES or order direct from this advertisement. Satisfaction guaranteed or money refunded. We refer you to Southern Illinois National Bank.

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ACTUAL SIZE

If you will sign the coupon below and send it to us, with 10 cents to pay for a three months' subscription to Mail & Breeze we will send you this elegant Sugar Shell, absolutely free. It is made by the celebrated Oxford Silver Plate Co., has a handle 4 inches long, bowl 2 inches long and 1½ inches wide, is silver plated and handsomely engraved and embossed in the beautiful Narcissus design. The bowl is highly polished and the handle finished in the popular French grey style. The illustration does not do it justice. If you send for this beautiful Sugar Shell, we will also give you an opportunity to win a handsome 26-Piece Silver Set of the same grade and pattern as this Sugar Shell, without one cent of cost to you. This is a wonderful offer, which we are making for advertising purposes only. Don't delay, for it is good only 20 days. Sign and send us the coupon with only 10 cents in silver or stamps to pay for a three months' subscription to Mail and Breeze and we will positively send you this beautiful Sugar Shell without the outlay of another cent on your part. It will be yours to keep without any conditions whatever, and we will also tell you how you can get a beautiful 26-Piece Silver Set just like it without a cent of expense to you.

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Remember, this offer is good only 20 days, so don't lay this paper away until you cut out the coupon below. You may send the subscription of a friend on this offer, if you do not want to subscribe yourself. Don't delay. Mail us the coupon with your remittance today. Your money will be promptly refunded if you are not more than delighted with the Sugar Shell after you receive it. Address at once,

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I enclose 10 cents, for which you are to send Mail and Breeze to the following address for 3 months, and also send me, free and postpaid, the beautiful Sugar Shell described above. Also tell me how I can secure a 26-Piece Silver Set without cost to myself.

Subscriber's Name.....

Address .....

My Name .....

Address .....

THIS OFFER NOT GOOD AFTER 20 DAYS.

## CROPS and FARM WORK

**Moisture Is Plentiful Now and Is Interfering With Corn Planting—Conditions Most Favorable for Other Crops—Wheat Has Begun to Head and Prospects for a Big Crop Continue Hopeful—Alfalfa Harvest On**

(Crop Reporting Service of Farmers Mail and Breeze.)

If there is a spot of ground in all of Farmers Mail and Breeze territory that did not get a thorough soaking at some time during the last week or two, we have not heard of it. Farmers who still have the bulk of their corn to plant are crying enough, and would be glad to see some warm sunshine dry out the fields so planters could be put to work again. But with the cold, wet weather of the first of the week it was a stand-off as to whether corn was best off in the seedbed or bin. Seed is none too viable and with unfavorable weather the stand of corn, not yet up, may be disappointing.

But while the week of wet weather was not the best thing for corn it was great stuff for wheat, oats, pasture, alfalfa, and every other growing crop. The way these crops are now taking on growth is good to see, after getting such a late and discouraging start. Wheat is heading out in Oklahoma and jointing in Kansas, and if all goes well with the crop for another six weeks we will celebrate the Fourth of July 1912 differently from the way that day was observed in 1911.

Alfalfa, in Kansas, is about ready for the mower and will make an unusually heavy yield for a first cutting. What is wanted now is good haying weather for a week or two. A well filled hay barn will be a glad sight to the average feeder once again.

A general increase in the broomcorn acreage is in prospect. The high prices paid for brush last fall are largely responsible for this, but we believe the man who will put out a large acreage of Kafir instead will be the better off next fall.

#### KANSAS.

**Pawnee County.**—Plenty of rain and weather is cool. High water hindering corn planting. Prospects for crops are fair. Much damage done by cyclone and cloudbursts.—P. G. Haney.

**Crawford County.**—Heavy rains May 10 and the ground is too wet to work. Some corn planted. Oats coming on slowly and shows a poor stand. Wheat beginning to joint.—H. F. Painter.

**Kingman County.**—Wheat looks fine and oats are coming on in good shape. Corn rather backward and not all planted yet on account of heavy rains. Had two of the hardest rains in eight years within 10 days.—E. S. Dafforn.

**Lincoln County.**—Farmers are rushing corn planting but are having so much rain that more Kafir than originally planned for will be put out. Good prospects for apples, cherries, plums, and pears. Few peaches.—C. T. Baker.

**Labette County.**—Wheat is late and will be about 60 per cent of a full crop. The crop was frozen out badly on black and red land. Oats looking well considering the time they have been out. Corn about half planted (May 11).—Wilbert Hart.

**Franklin County.**—Had nice rains here May 9 and 10. Wheat in fine condition. Corn planting nearly done. Alfalfa ready to cut. Pastures are good and stock is picking up. Farmers are more interested in silos than ever before.—H. O. Cain.

**Wilson County.**—Not more than half of corn planted. Ground too wet for farming. Pastures and meadows doing well for farming. Alfalfa has improved. Large acreages of Kafir and field peas will be put out. Stock of all kinds in good shape.—S. Canty.

**Douglas County.**—Good rains May 7 and 10 and crops are growing fine. Corn planting will soon be finished. Most of corn that is up shows a good stand. Good many chinch bugs in wheat and oats. Stock doing well but spring crop of pigs is small.—J. S. Dillon.

**Clark County.**—Present wheat prospects are favorable for a bumper crop. Condition is about 98 per cent with plenty of moisture in the ground. Corn planting nearly finished. Alfalfa growing fast. Pastures are good. Good horses are in demand. Light pig crop.—H. C. Jacobs.

**Butler County.**—Plenty of rain and has been too wet to work in fields. Corn about half planted. Some is up nicely. Oats look well but are backward. Wheat is good but some was winter killed. Fat cattle about all marketed. Hogs \$7.50, corn about 80 cents.—M. A. Harper.

**Jewell County.**—Most of corn planted and early plantings are up. Wire and cut worms are working in some fields. Wheat is the finest in years. Plenty of rain and pastures are growing rapidly. Will have lots of fruit. Hogs \$7, corn 75 cents, butter fat 29, eggs 15.—S. C. DePoy.

**Rush County.**—Plenty of rain the last two weeks. Some wheat fields show a condition of 100 per cent while others have been abandoned. Corn about all planted and early plantings show a fair stand. Barley and oats are late but looking well. A large acreage of alfalfa has been sown and weather

is favorable to a good stand. Pastures in first class condition and stock is doing well. Wheat \$1.02, corn 80 cents, eggs 15.—J. F. Smith.

**Anderson County.**—Only about half of corn planted (May 11). Had 3 inches of rain during the last 36 hours which will keep planters out of fields another week. Some complaint of bugs in wheat and timothy. Timothy is turning yellow. Oats and early planted corn are coming on fine.—G. W. Kiblinger.

**Elk County.**—Corn not all planted and can only get in the field about two days a week. First planting large enough to cultivate but stand is poor in some places. Stock in good shape and have had pasture since May 1. Fruit prospects are fair but there are a good many worms on the trees.—O. A. Kellogg.

**Nemaha County.**—Corn planting being rushed now and about half is planted. Seed is considered weak and farmers have not been planting early. Oats and small grains are making a satisfactory growth but some wheat was badly hurt by early winter freezing. Fruit prospects good except for peaches.—C. W. Ridgway.

**Stafford County.**—Plenty of rain and wheat that did not blow out last fall looks real well. Oats generally show a good stand. Some damage in this county from hail. Nearly all corn planted and some is up. Alfalfa is the best ever. Will start cutting about May 25. Good prospects for fruit. Fat cattle and hogs very scarce.—S. H. Newell.

**Rice County.**—Good rains in first part of this month have soaked everything. Wheat and oats have been greatly benefited. Corn

Soil like a horse must be well fed and well cared for if it is to give the right kind of service to its owner.

planting progressing nicely. Fruit prospects are bright. Pastures have improved since the rains. First alfalfa cutting will be heavy. Will have larger acreage of broomcorn than last year. Not many young pigs.—Henry S. Wilson.

**Cheyenne County.**—Wheat is looking fine. Grass coming on in good shape and stock is doing better. About the usual acreage of corn being planted. Had about 3½ inches of rain April 27 to May 10. Horses are not able to stand much hard work and short days are being put in in the field. Corn 84 cents, eggs 15, butter fat 29.—Mrs. J. S. DeLong.

**Ottawa County.**—Wheat is coming out in fine shape. Ground in excellent condition for corn planting which will be finished this week. All kinds of fruit bloomed out well and fruit is starting nicely. There is some complaint of tarnish worms stripping foliage on apple trees. Small showers are numerous but no heavy rains have fallen (May 11).—W. S. Wakefield.

**Woodson County.**—Had about 4 inches of rain in 24 hours (May 10). Fields are soaked full and can't farm for several days. About a fourth of corn crop planted. Main crop here will be Kafir. Wheat, oats and pastures doing well. Stock is in good shape. Will have good crop of apples but few peaches. Hay \$20, hogs \$7, eggs 15 cents, butter 20.—E. F. Opperman.

**Lyon County.**—Heavy showers May 10 were good for growing crops and pastures. Some progressive farmers are planting corn. Most corn will be listed and seed drilled in with planters. Large acreage of Kafir will be put out. Most early potatoes are up and prospects are good for a crop. Outlook for fruit is good. Alfalfa looks fine and will be ready for first cutting about June 1.—E. R. Griffith.

**Brown County.**—Farmers began planting corn May 10 which is two weeks later than usual. Ground is in good working condition. What wheat is left does not look very good. Oats doing fairly well. Alfalfa about ready to cut and will make a heavy crop. Prospects fine for nearly all fruit and will have some peaches. Wheat \$1.75, potatoes \$1.75, corn 74 cents, oats 50, eggs 16, butter 25, cream 29.—A. C. Dannenberg.

#### OKLAHOMA.

**Tillman County.**—Wheat is in fine shape. Oats are short. Corn shows a poor stand on account of bad seed. Cotton coming up but is late. Pastures are fine. Grain scarce and high.—D. E. Munro.

**Beaver County.**—Frequent rains are furnishing plenty of moisture but are putting farming behind. Wheat and oats look fine. Stock is improving. Large acreages of broomcorn and Kafir will be put out. Kafir 68 cents, butter 20, eggs 15.—M. B. Edwards.

**Choctaw County.**—Wheat will make about 90 per cent of a crop. Heads are in the boot. Oats will make 200 per cent compared with last year. Have had heavy rains and pastures are good. Some cotton still to plant. Some corn has been worked.—J. W. Jones.

**Comanche County.**—Wheat is heading rapidly. Excessive rains and hail in places are a disadvantage but if we have dry weather soon the crop will make a far better yield than usual. Oats and corn are growing fast. Some fields of cotton and Kafir are showing a good stand.—Fred E. Wiersig.

**Lincoln County.**—Plenty of rain and fine growing weather. Oats and grass are a little backward. Corn looking fine and some has been plowed twice. Corn nearly all planted and some of it worked and ready to plant. Alfalfa being harvested and the yield is good. Fruit promises a full crop.—J. B. Pomeroy.



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**Has Put Waterloo On The Map As Headquarters For Highest Quality and Lowest Price—A Very Rare Combination**

**A**SK farmers anywhere, from coast to coast, "Where is Waterloo?" They'll tell you "That's the Headquarters of Galloway, the greatest friend the farmer ever had." Only a few years ago the average farmer hadn't heard of Waterloo, or if he had, there was nothing to make him remember it. Now they all know Galloway and Waterloo, Iowa. What has brought about this change?

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Result: I have associated Galloway Station, Waterloo, with the finest there is in farm machinery and farm necessities, in the minds and bank accounts of thousands of farmers and farmers wives, everywhere.

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Ask any Galloway customer what he thinks of the Engine, Spreader, Cream Separator or whatever he got from me. Ask him how much he saved and the kind of treatment he received. We'll send the names for you to investigate—men right in your locality.

## Second Proof

Notice who the men are that are trying to down Galloway. Pick a man's enemies and you can pick his friends. I'm not looking for enemies. But I can't help it if my Trust Competitors, Combination Manufacturers, Local Dealers and the whole crew of Middlemen rear back on their dewclaws and howl against me. I am in business for myself and for the farmer—not the middleman. They simply show their hand and expose their own hold-up methods when they attack an independent, direct dealing—quality-producing manufacturer like me. I'm proud of such enemies. And they only make me stronger with the independent farmer. Every "knock" from such sources is a proof of Galloway quality and low price.

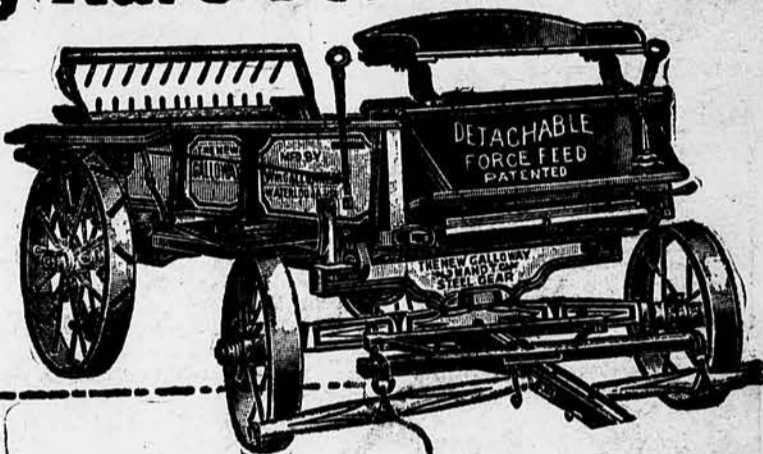
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Longest Free Trial, strongest and longest guarantee; \$25,000 Bank Bond, legally binding as insurance of satisfaction to all; money back guarantee to every buyer on every Galloway purchase. If he doesn't think it's right in every way. Credit Terms when desired on a basis that should make every dealer ashamed of himself—all these protections and assurances to you to make you perfectly safe in buying so you will send for what you want and prove every claim on your own place in your own way.

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Tens of thousands of other farmers have written to Galloway and have saved millions of dollars. Now is the time to start your share of the savings. It's your right to buy where you get most value. It's my right to offer the best for the least money. Don't let the Trust system, the dealer or any other middleman gouge you on price or fool you on quality.

Remember, Waterloo is on the map as the one home of Highest Quality and Low Factory Price—the rarest combination in business. So write Galloway now—get the facts—know the goods—see the prices, prove the quality.



### Galloway's Spreader with Mandt's New Gear

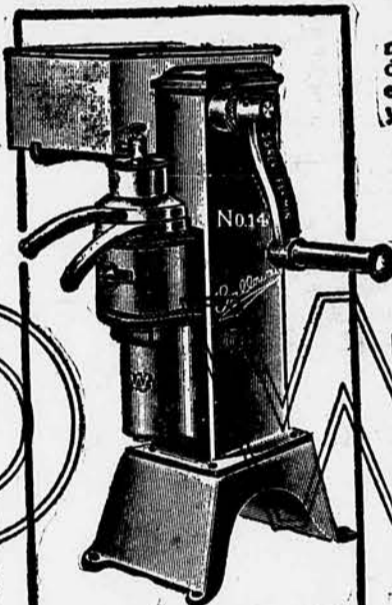
The Only Improved Machine and You Save \$25.00 to \$50.00. And that isn't all. It is so well made—so simple, of such fine material, it will outlast, give longer and better service than any dealer sold spreader at far higher price. It has eleven distinct, exclusive patents, some of which are worth \$50 extra—yet they cost you nothing extra coming from Galloway. So sure am I of quality and results, I am ready to give 30 to 90 days free trial, and if at end of one year, provided 100 loads have been hauled, my spreader has not proved a paying investment. I will pay your money back with interest. I also want to mail you "A Streak of Gold" My latest and greatest book on manure. Its production, its value, its handling—worth real money to you. Write for it and my big spreader catalog.

### No Cream Separator Equals Galloway's Bath In Oil—Yours at a \$25.00 to \$40.00 Saving.

Your cows are fresh, you are getting most milk right now. You can get all the dollars from your milk with a high quality separator, and you can get the highest quality Galloway Bath In Oil Cream Separator for much less than any other really efficient separator. You can make big money—I can save you big money—so why delay? No separator can be made better than the Galloway. There isn't, anywhere, any better material or better workmanship, or bigger results for you. Thirty to Ninety Days' Free Trial, my legal, binding guarantee, backed by \$25,000 bank bond on separators and everything else, are your full protection. So—don't wait, write today and have the free proofs in your own hands.

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Size for Size—Quality for Quality. I wish you could go through my factory at Waterloo and see how carefully, of what fine material Galloway Engines, as well as other Galloway farm machinery are made. Large numbers of your brother farmers have done so, and have gone back home enthusiastic. They have seen my model factory, my big, contented factory force, my automatic factory machinery making exact parts for exact Galloway Engines and machines. Get My Big Engine Book. It will show you how you are throwing money away if you pay more for an engine than I ask. Write for the proof.



Don't let the dealer bluff you on freight talk. I ship quick from my four big factory transfer points at Kansas City, Council Bluffs, Chicago and Minneapolis, reducing freight to the minimum. My prices to you on everything are lower than the dealer pays, quality for quality, in carload lots, at spot cash prices! Now write me for the proof. Mail Coupon.

## Hark!

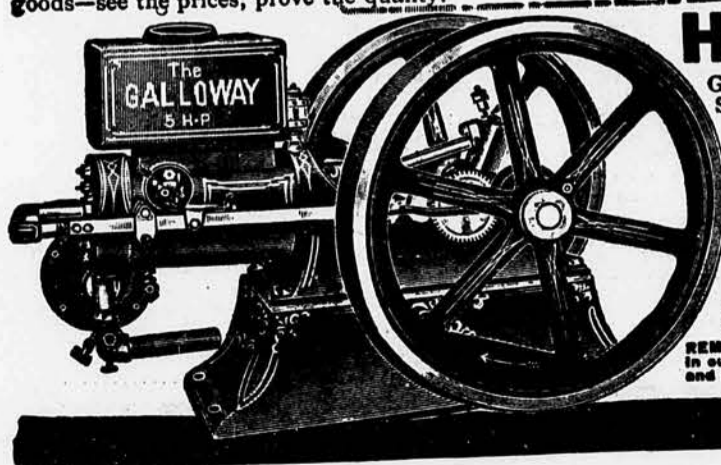
10 or more men in your township are going to make an Extra Special Good Deal on the Spreader, Engine or Separator they want—or on all three.

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Write for this proposition quick. Fill out coupon, check the article or articles you are most interested in, and I'll see you are not disappointed.

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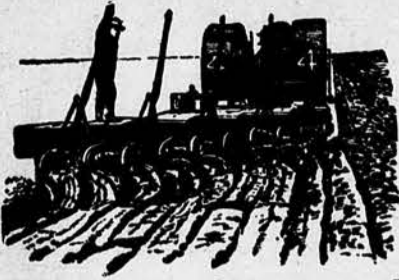
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## Bale Your Hay to Get Best Price

BY V. C. HALL.

[Written for Farmers Mail and Breeze.]

Many farmers in this locality made more per acre last year from their meadows than from their farming land and if they had baled and stored their hay they could have doubled their profits. A baler enables a farmer to put up his hay with the least possible waste, or loss due to exposure. Baling from the windrows saves the cost of stacking, it also saves the loss of damaged hay in tops and butts of stacks. Usually it will pay to store hay for a few months to get the advance



BALING ALFALFA IN LYON COUNTY.

in price and in such case the bales have the advantage over loose hay, for when stored in dry quarters baled hay will usually be brighter and more marketable than hay baled from the stack.

It will usually cost \$1.50 per ton to have hay baled and it would not take many tons to pay for a press. Besides baling your own hay at the right time you can bale for neighbors in dull times. For a small acreage the pony press which requires only two men to run it is best. The new power baler, with its fast, steady work, makes small jobs of big amounts of hay.

The picture shows a power baler alongside of a 33-ton stack of alfalfa on the place of Mrs. E. J. Rateliff, a reader of Farmers Mail and Breeze.

Emporia, Kan.

## Kansas' New Livestock Man

W. A. COCHEL COMING WEST.

Kansas has acquired a young man of marked achievement and much promise to conduct its important animal husbandry department at Manhattan. He is Prof. W. A. Cochel, now at the head of the animal husbandry department of Pennsylvania State college. He will take up his new duties at Kansas Agricultural college July 1 of this year. Prof. Cochel was born and reared a westerner and knows western livestock conditions from the ground up. He was born and grew up in northern Missouri and received his education at Missouri Agricultural college, graduating from that institution in 1905. While at college he was a classmate and roommate of O. E. Reed, now at the head of the dairy department at Manhattan. Cochel himself is not much less a dairyman than he is a beef man. His ability at stock feeding first asserted itself while at the college and on finishing his course he was called to Indiana Agricultural college, where he achieved some remarkable results in experimental cattle feeding. In 1908 he fed the carlot of cattle that took the grand championship at the International at Chicago. While in Indiana he organized the Indiana Cattle Feeders' association, which has revived the waning beef growing industry in that state. After four years of service in Indiana, he was chosen to take charge of the animal husbandry department of the Pennsylvania college. His work and results in beef feeding have stamped him as perhaps the foremost authority of the country on the subject of silage feeding for beef.



W. A. COCHEL, New head of the Kansas department of animal husbandry.

Prof. Cochel comes to Kansas recommended as an eminently practical man who is widely known to stockmen throughout the country. With a widened field in the West he will no doubt do much to increase the fame and consequence of Kansas as a livestock state.



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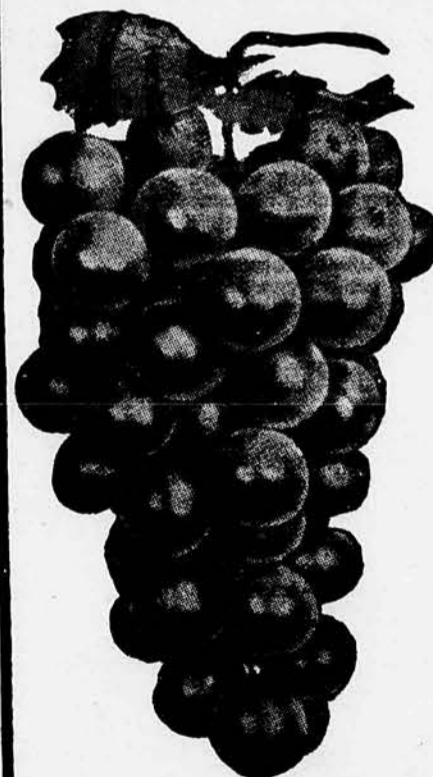
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We will conclude the biggest and most successful subscription campaign we have ever conducted on this paper with the most timely, most valuable and most pleasing offer ever made for new or renewal subscriptions.

We are going to send six fine large two-year-old grape vines, two of each variety, every one a number 1 plant, FREE AND POSTPAID to any person who will send \$1.00 for a year's subscription to Mail and Breeze, mentioning this offer.

Every yard, every garden, every arbor should be further beautified and enriched by the addition of these six choice selected grape vines. They will make you money.

### THE VARIETIES ARE AS FOLLOWS.

**CONCORD**—The grape that is famous all over America and decidedly the most popular of all. It is a most reliable grape for general cultivation.

**WORDEN**—A black grape and earlier than the Concord. The bunches are large and compact, the berries very large and with thin skin. Ripens from five to 10 days earlier than Concord. The berry is larger and the quality excellent.

**NIAGARA**—The Niagara is a white grape with berries noted for their sweet flavor. The bunches are beautiful and compact, berries are small.

We have selected the above varieties as especially adapted for home cultivation. They are most highly recommended by nurserymen and will be packed in splendid condition before being sent to you at the proper time for planting.

You will be surprised how easily you can start a beautiful grape arbor and how quickly these vines will begin to produce. Grape vines are easy to care for and add a beauty and charm to yard or garden that adds value to your home.

**Special Trial Subscription Offer**—If you will get up a club of 4 three months' subscriptions to Mail and Breeze at 25 cents each we will send you the collection of six vines FREE and POSTPAID.

This offer is good for 30 days only. Write your name and address in full on the coupon below, and send it with a remittance of \$1.00 to The Mail and Breeze, Topeka, Kansas.

Mail and Breeze, Topeka, Kansas.  
Enclosed find \$1.00 for which send me the Mail and Breeze for one year and send me the six choice selected grape vines advertised in your paper.

Name .....

Address .....

Mail and Breeze, Topeka, Kansas.

## Kansas' Gift From Chicago

A FUND FOR FARM ADVISERS.

Apparently the great issue in the United States at the present time is not who will be the next president but what can be done to benefit the farming industry and the farmer. This is not an insult to the farmer's intelligence, but is a belated recognition of the importance of his calling to the nation as a whole.

Last week a bill came up in congress to extend federal aid to the extension work of agricultural colleges, according to the plan of the National Soil Fertility league outlined sometime ago in Farmers Mail and Breeze. The same week a well known Chicago mail order house announced it would give 1 million dollars toward promoting county demonstration work in agriculture. Certainly a fitting

thing for a wealthy mail order house to do.

It is believed the gift of a million dollars by Sears Roebuck & Company will bring greater and more immediate returns to the world than the benefactions of all library-building millionaires combined. It means the expenditure of \$1,000 in a thousand counties toward employing "county farm advisers" and Kansas will now have an opportunity to make a trial of the idea.

The fund will be handled through a crop improvement committee acting through the state agricultural colleges. The Kansas Agricultural college is authorized to perfect arrangements with 10 counties in Kansas where commercial and agricultural organizations will contribute to this fund for the employment of a man to devote his whole time to a single county for two years. J. H. Miller, director of college extension at Man-

I want the Kansas people to know that if I am elected governor the economical expenditure of public money will be given the same strict attention I give my personal business.  
—Arthur Capper.

hattan, is trying to arrange for a plan, whereby in western Kansas, at least, one man may do the work in two or more counties. In every case the counties will be expected to pay a part of the salaries of these men, this being one of the conditions of the fund. The county getting an "adviser" will be expected to raise whatever additional sum is required and the Agricultural college will select the man and direct his work.

The real difficulty will probably be to get suitable men. Director Miller does not think the college will be able to find readily more than a half dozen men of the practical experience and training it can recommend for such work. The counties that organize for the work soonest will be the ones first served.

President H. J. Waters of the college and J. H. Miller, director of college extension, say they will welcome letters from organizations and from farmers who are interested in getting a county farm adviser in their counties.

## A Kansan at Work Back East

J. C. Kendall, formerly at the head of the dairy department of Kansas Agricultural college, and a Kansan by adoption, is now doing good work as director of the New Hampshire Experiment station at Durham, N. H. New Hampshire is one of the states where farming has declined and agriculture is in need of a rebirth and readjustment to changed conditions of soil, markets and demand. The New Hampshire legislature at its last session put \$6,500 in Prof. Kendall's hands for work in agricultural extension and the state will undoubtedly realize a handsome return on the investment.

## GET A GOVERNMENT JOB.

All interested should write to Franklin Institute, Dept. B178, Rochester, N. Y., for free list of government positions open.

## A BIG-VALUE BOOK OFFER TO MAIL AND BREEZE READERS.

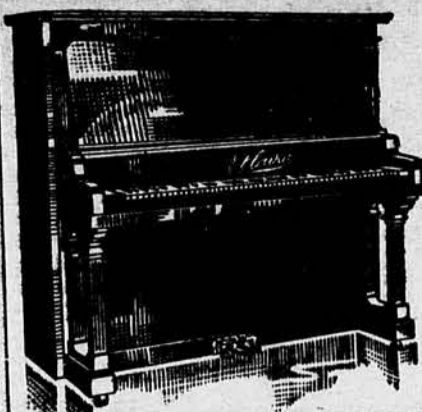
"Kansas in the Sixties," by Ex-Governor Samuel J. Crawford.

The story of "Kansas in the Sixties" as told by Samuel J. Crawford, famous as the "War Governor of Kansas," is by far the most interesting historical work ever produced in Kansas. The book is having a large sale all over the country and it deserves a prominent place in the library of every Kansan. It contains something of vital interest to every citizen of the state. Governor Crawford writes in a style peculiarly his own and there is not an uninteresting paragraph in the whole 400 pages of this great Kansas book.

"Kansas in the Sixties" is substantially and handsomely bound in cloth, indexed, and sells for \$2.00 in all the book stores.

We have secured a quantity of these books for distribution among Mail and Breeze readers on this very liberal offer:

Farmers Mail and Breeze one whole year and "Kansas in the Sixties," sent prepaid for only \$2.00—regular price, \$3.00. Send in your subscription or renewal while this offer is still available. Address Mail and Breeze, Topeka, Kan.

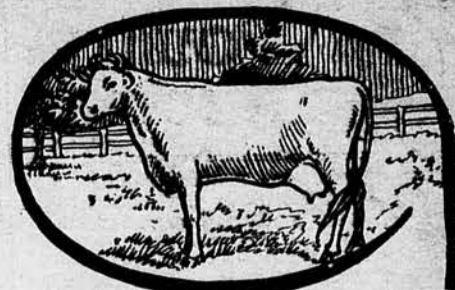


**This is the Elburn H-2**  
The Best Piano Value  
Ever Known for Only... **\$225**  
\$6 Monthly

Stover, Mo., March 23, 1912.  
Gentlemen—The Elburn received today. I wish to thank you for extraordinary treatment.  
The piano far exceeds my expectations. This is the second piano I have purchased from the Jenkins Music Co., and I am extra well pleased.  
Wishing you success, I am,  
(Signed) LUTHER W. TAYLOR.

gratulated us on being able to sell such a piano for so little. Remember we always have on hand many bargains in Used Pianos of famous makes. Write today.

**J.W. JENKINS SONS' MUSIC CO., KANSAS CITY, MO.**



**Any Ordinary Cow Can Earn \$6 a Month, the Amount it Would Take to Buy This Magnificent Piano.**

Just think, only one of your cows would furnish the small sum required to buy an Elburn. Practically no sacrifice at all. And the pleasure the piano would bring into your home would be worth twenty times this insignificant sum. Let us send you an Elburn on free trial. You need not pay a cent unless you are entirely satisfied with it. If all of your friends don't say it is one of the handsomest pianos they ever saw and is worth every cent we ask you can send it back. We'll stand all of the expense.

We have hundreds of letters like the one quoted in this advertisement. Piano experts all over the country have congratulated us on being able to sell such a piano for so little.

## Huiskamp's Barnyard Shoes

Can't rot or break through from contact with manure and liquids. Worn by thousands of farmers and stockmen because it's a

**Guaranteed Farm Shoe**

Money back if not as we claim—manure proof. Cuts your shoe bill half—costs no more than the common shoe but lasts twice as long. Specially tanned. Built on standard lasts they fit the foot. Comfortable. Durable.

**Ask Your Dealer**

Bottle of special oil free with each pair. Preserves the shoes. If your dealer doesn't handle Barnyard write for literature and name of dealer who does.

**The Huiskamp Bros. Co.,**

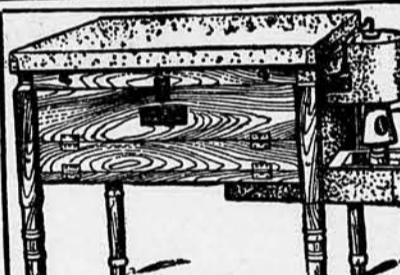
204 Johnson St., Keokuk, Iowa

## HANDY AUTOMATIC HOG WATERER

PURE WATER fattens your hogs and prevents cholera. Buy an ever-ready, never-leaking "HANDY." Its VALVE, the essential part, is superior to all others. Attaches to tank, barrel or pipe. Will last a lifetime. **EVERY FOUNTAIN GUARANTEED.** Ask your dealer for a "Handy."



NOVELTY IRON WORKS, Dept. M, STERLING, ILL.



**The Safety Hatch Incubator**

This is the latest improved incubator and by reading our catalog you will discover it has features never before applied to an incubator. It is fireproof, has a sliding lamp that holds oil enough to run ten or twelve days, and it is a perfectly sanitary machine, as the top raises and all of the insides can be taken out and cleaned. Every piece of lumber in it is kiln dried. Ask your dealer for a SAFETY HATCH catalog or write us.

**ONE MINUTE WASHER CO.,**  
EL RENO, OKLAHOMA.

## Save Your Chicks

We can help you. Send names and addresses of 10 Poultry friends and receive our 32-page book on "WHITE DIARRHOEA, the Greatest Foe to Chick Life." This book makes Poultry Profits possible. Gives care and feeding of chicks; also gives cause and guarantee cure for bowel trouble. Above book and sample of F. K. Tablets FREE, postpaid, for the names. Write today. The value will surprise you.

**F. K. REMEDY CO.,**  
733 Second St., Arkansas City, Kan.

**Kaffir Seed for Sale** write for prices and samples.  
Mill & Elevator, Severy, Greenwood Co., Kan.



**Kouns' Galvanized Steel Stackers, Rakes and Sheds Make Good Hay.**

**LET ME SHOW YOU.**

**Wesley Kouns, Dept. A, Salina, Kansas**

## The Otto Weiss Chick Feed

A scientific preparation for Baby Chicks; it's cheap because "it saves all the little ones." Ask your dealer for it; do not accept any substitute. Send for circular.

**The Otto Weiss Alfalfa Stock Food Co.**  
Desk A, WICHITA, KANSAS

## The Thrilling Story of the Wreck of the Titanic

**The Most Appalling Marine Disaster in the History of the World!**

The steamer Titanic, largest and most luxurious vessel in the world, on her first ocean trip, crumples her steel prow against an iceberg and in four hours the great floating palace sinks with 1600 persons aboard. Numbered among the victims were some of the world's multi-millionaires and men identified with the world's greatest activities.

**1600 Human Lives LOST!**

Mothers and children were torn from husbands and fathers; sisters were separated from brothers, and forced to view their untimely deaths—that is the harrowing tale of the sinking of the Titanic. But there is also the valorous side of this tragic story—Following the chivalry of the sea in caring for the women and children first, is a story of self-sacrifice and heroism such as no century in history records, and is a glorious tribute to twentieth century civilization. The whole story is told by survivors in this authentic book which is lavishly illustrated with full page pictures showing the scenes of the sinking of the Titanic and the work of rescue. A big book of 320 pages—in cloth binding.

We have 500 copies of this great book to be distributed among the first 500 who accept this offer: Send \$1.25 to pay in advance for a 15-months' subscription to Mail and Breeze—new, renewal or extension, and we will send you one copy of this big book free and post-paid. Only 500! Clip out and use this coupon NOW!

**MAIL AND BREEZE, TOPEKA, KANSAS**

Mail and Breeze, Topeka, Kansas:

I enclose \$1.25 to pay for a 15-months' subscription to Mail and Breeze. You are also to send me, free and prepaid, one copy of the Great Titanic Book.

Name .....

Address .....

**This Great 320-Page Cloth-Bound Book FREE!**

## A MONEY-MAKING OPPORTUNITY!

**Here's a Chance to Start a Business of Your Own Without Capital.**

We want capable men and women everywhere to act as local representatives for the Mail and Breeze. We want to hear from men and women who are ambitious to succeed and who are willing to work.

We pay liberal salaries and allow large commissions to those who prove that they are capable of delivering satisfactory service.

We have scores of men and women on our force of subscription representatives who are making more money than they ever made before, and they are finding the work very pleasant and very healthful, too.

Some devote all of their time to the work. Some devote only the spare time from other duties. They are all earning large incomes in proportion to the time and effort they are devoting to this work.

The Farmers Mail and Breeze is the biggest and best dollar-a-year farm weekly in the West. It contains from 32 to 64 pages each issue—52 big, interesting, helpful issues each year for only \$1.

The Mail and Breeze now has more than 100,000 subscribers among the most successful farmers and stock raisers in Kansas and Oklahoma. There are thousands of other farmers in every locality who should be reading the Mail and Breeze.

We pay liberal commissions for new subscriptions, also for looking after renewal business in all localities. Many of our representatives have been with us

for years. They have been able to purchase beautiful homes, live well and put money in the bank from their earnings as Capper Representatives.

We need a few more representatives to look after our interests in different sections. We will be glad to state our proposition in detail to those who write first from each locality. Just send your name and address on the accompanying coupon, clip it out and mail it to us and our proposition will be forwarded to you by return mail. Address

**Circulation Manager,  
Farmers Mail and Breeze,  
Topeka, Kans.**

**USE THIS COUPON.**

Circulation Manager,  
Farmers Mail and Breeze,  
Topeka, Kan.

Dear Sir—Please send me full information regarding your offer to Subscription Representatives.

Name .....

Address .....

Be sure you're right—then don't lose your head.

Trial trip until January 1, 1913, for 25 cents, Mail and Breeze, Topeka, Kan.



## Poultry Keeping

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

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

Imitate nature as closely as possible and your turkey crop will pay out.

A writer for this page recommends boiled rice for diarrhea in young turks.

A floorless brood coop on clean, dry ground is better than one with a board floor in it.

Windows should now be out of the poultry house and wire netting tacked in their places.

When eggs are soft shelled the hens are either too fat or do not get enough mineral matter in their feed.

A safe rule to follow in chick feeding is to give them just as much as they will clean up nicely at each feed.

When ready to empty the ash pan mix in some lice powder and place where the hens can take a dust bath. This is rough treatment for lice.

It is a good plan to teach the young generation of chickens to roost on perches as soon as possible. For one thing, this will keep them out of reach of rats.

One of our poultry folks advises putting a pint of coal oil in each bucket of whitewash before going over the inside of the hen house. This for the special benefit of lice and mites.

### Who Raises Peafowls?

Mr. Editor—Will readers of Farmers Mail and Breeze please write in and tell us where we can get peafowl eggs?  
Neosho, Mo. F. A. Birch.

### For the Chicken-Eating Sow.

Mr. Editor—A good remedy for chicken eating hogs is to cut open a chicken and sprinkle the insides well with cayenne pepper. Leave where the hogs can get it and keep them away from water for several hours. One treatment is usually sufficient.  
G. W. Hoyt.  
R. 5, Howard, Kan.

### A Record By Rocks and Reds.

Mr. Editor—I have 36 Blue Barred Rocks and 24 R. C. Chocolate Reds that laid 1,920 eggs from February 1 to April 1 or an average of 32 eggs per day for the flock. Considering the kind of weather that prevailed during that time I think they made a very good record.  
Lawrence, Kan. Milton Deihl.

### New Idea in Outdoor Coops.

Mr. Editor—This is a model chicken coop that can be built for 40 cents. It is 4 feet long, 2 feet wide and a foot high. The slat lid is made of barrel staves and laid on loose. As soon as the chicks are strong enough to run out prop the front end up on a brick.  
Georgiana Stanley.  
R. 1, Eudora, Kan.

### The Chicks' Early Raising.

Mr. Editor—The best success I ever had with incubator chicks was when I removed them from the machine as fast as they fluffed out and made their way to the glass door. I put them in fleece-lined boxes back of the range and put a hot brick well wrapped in the box with them to afford sufficient warmth. I begin feeding when 24 hours old by sifting bolted meal and sand on the paper on the brooder floor. I put their drinking water in small dishes and remove them after they have had a drink. On the second and third day I feed well baked corn bread which has been run

through a meat chopper, adding crusts, stale biscuits, etc., to this. I try to give them one meat feed a day. Their green feed is grass, clover, and onion tops clipped in short pieces and I let them have all they want. I feed chop soaked in clabber but no sloppy mixtures. I want to warn beginners about heating brooders with lamps out of doors. It is a risky business here in the windy West. I heat up with a lamp then remove it and put in jugs of hot water and hot bricks. It is more trouble but it is also safer.  
John N. Reppy.  
R. 1, Hutton Valley, Mo.

### Caponizing Doubles Profits.

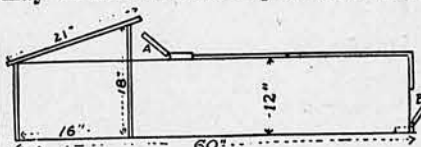
Mr. Editor—As to whether caponizing pays or not I should like to say that if E. J. Hanstine will get the proper tools he will not lose any birds by the operation and only about 5 per cent will be "slips." Capons will bring about 20 to 25 cents per pound on the market, according to size. The more they weigh the more they will bring, and you can double your profits by caponizing. I am caponizing about 1,000 birds this year.  
L. Henderson.  
Willard, Kan.

[June is one of the best months for caponizing. Winter and the holiday season are the best times of year to market capons. Will Mr. Henderson tell us something about the marketing of capons?—Ed.]

### A Reader's Hen Hatchery.

[Prize Letter.]

Mr. Editor—Here is my plan for a successful hen hatchery: I take 16-foot lumber and make stalls for 12 hens which makes the nest boxes a little over 14 inches wide. Slat and thin lumber may be used for the 11 partitions. Floor



A CROSS SECTIONAL VIEW.

the nest department. Chicken wire is used to cover the top of runs except for the doors A, each of which is 28 inches long, enough to cover two runs. The doors B are the same length. There is also a door 8 by 10 inches in the front of each nest box and all doors are hinged with leather and held with cleats. The roof board is not hinged or nailed but held in place with cleats and may be lifted off.  
J. A. Crandall.  
Norwich, Kan.

### Nest Eggs and Lice Cures.

[Prize Letter.]

Mr. Editor—To make nest eggs I take a pointed knife and prick a hole in one end of the egg and shake out the contents. Then I fill the shell with plaster of paris moistened with water and lay it in the warming oven or any other warm place where it will dry and harden. One can use cement in the same way but the egg will not be so white as with plaster of paris.

For lice or chicks I find unsalted lard and sulphur very good. I use only a little sulphur and mix it with the lard then grease the heads of the chicks. This is good for the hens if applied to their heads and under the wings.  
A. L.  
R. 2, Bird City, Kan.

### Feed and Care of Young Ducks.

[Prize Letter.]

Mr. Editor—I have had the best luck in raising young ducks by feeding them dry oat flakes until they begin to feather. Ducklings should not be allowed to puddle in water very much, especially in cool weather. I feed the old ducks corn and Kafir and a mash of bran and corn chop once a day, what they will clean up each time. I provide them with clean sand twice a week as a duck needs more sand than a chicken. I have them shut up in a pen, and once a day give them a pan of water in which to bathe. I pick the feathers once every five or six weeks all through the year except during the coldest weather in February and January. I find the Indian Runners to be the best layers.

Mrs. John F. Hess.

Humboldt, Kan.

### Brooding Chicks Without Hens.

[Prize Letter.]

Mr. Editor—I am always interested in the poultry page of Farmers Mail and Breeze. My plan of raising incubator chicks differs from most others. I have a warm house 6 by 15 feet made of lap

## Reliable Poultry Breeders

### WYANDOTTES.

COLUMBIAN WYANDOTTES—Mating list free. G. D. Willems, Inman, Kan.

WHITE WYANDOTTES baby chicks 15c. Good. Mrs. F. J. Myers, Erie, Kan.

WHITE WYANDOTTES. Eggs, 15 \$1.00, 100 \$4.00. A. W. Hargreaves, Abilene, Kan.

FOR SALE—Choice mated pen White Wyandottes, \$10. Frank Scott, Chapman, Kan.

SILVER LACED WYANDOTTES eggs, 15 75c, 100 \$3.50. Mrs. Emma Downs, Lyndon, Kan.

WHITE WYANDOTTES exclusively. Eggs 30 \$1.50; 100 \$4.00. Mrs. Will Beightel, Holton, Kan.

WHITE WYANDOTTES eggs 50c 15, \$3.00 per hundred. Mrs. L. D. Soule, New Cambria, Kan.

GOLDEN WYANDOTTES exclusively. Eggs 30 \$1.50, 100 \$3.50. Mrs. John Jevons, Wakefield, Kan.

WHITE WYANDOTTES eggs, 15 \$1.00, 50 \$3.00, 100 \$5.00. Mrs. Geo. Downie, Lyndon, Kan., Rt. No. 2.

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

PARTRIDGE WYANDOTTES eggs for hatching, 15 \$1.00, 50 \$3.00, 100 \$5.00. Mrs. L. M. Ayers, Centralia, Kan.

GOLDEN WYANDOTTES—Twenty years. Best and most beautiful. Stock and eggs. Write Jay R. Douglas, Mound City, Kan.

SILVER WYANDOTTES—Quality kind. Eggs \$1 and \$2 15; \$5 100. Baby chicks reasonable. Julia Haynes, Baileyville, Kan.

WHITE WYANDOTTES eggs, four dollars for 100. Seven dollars for 200. Special price on 1,000 lots. Mrs. H. G. Stewart, Route, Tampa, Kan.

PRIZE WINNING WHITE WYANDOTTES—Eggs—Pens \$1.50 and \$2.00 per 15. Range \$4.00 per 100.—Mrs. M. F. Austin, Miltonvale, Kan.

WHITE WYANDOTTES—Something fine. Eggs from high scoring, prize winning stock \$1.25 setting, \$5.00 hundred. I. B. Pixley, Wamego, Kan.

EIGHT YEARS breeding and perfecting. Blue Ribbon White Wyandottes. Bred to win. Bred to lay. Eggs \$1.50 per 15. J. W. Gray, Chanute, Kan.

WHITE WYANDOTTES eggs. Prize winning strain. Premiums at Winfield's Poultry show, \$2 \$1.50, 100 \$4.00. Mrs. J. M. Bullock, Winfield, Kan.

SILVER LACED WYANDOTTES—Beauty and utility breed. Best winter layers. Eggs \$1.50 per 15 from winners at Missouri State shows. Austin Crenshaw, Fulton, Mo.

SILVER WYANDOTTES that are winning in all the big shows. Bred for eggs and the show room. Stock for sale and eggs in season. M. B. Caldwell, Broughton, Kan.

SILVER WYANDOTTES—Eggs, 15 \$1.00, 100 \$5.00. Guarantee 60% hatch or duplicate order at half price. Order direct or write for circular. Mrs. H. A. Dressler, Lebo, Kan.

PARTRIDGE WYANDOTTES with a national reputation. A dandy flock in a large orchard. 15 eggs \$1.50; 30 for \$2.50. Write for mating list of my prize winners. Page. The Chicken Man, Salina, Kan.

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

### DUCKS.

WHITE INDIAN RUNNER ducks, 13 eggs \$4.00. Rhode Island Whites, 15 eggs \$2.00. E. F. Graft, Erie, Kan.

INDIAN RUNNER eggs \$1.00 per thirteen, \$7.00 per hundred. Orders filled promptly. Pearl Wertberger, Alma, Kan.

INDIAN RUNNER duck eggs. Pen One, fourteen \$1.50. Pen Two, fourteen \$1.00. Julia Little, Conway Springs, Kan.

### COCHINS.

PARTRIDGE COCHINS—Stock and eggs for sale. Mrs. C. Wonderly, Benedict, Neb.

BUFF COCHIN eggs from best pen, \$3.00 per 15; 2nd pen, \$2.00. Housel, Smith Center, Kan.

BEST BUFF COCHINS in West. Eggs from four grand pens, \$2.50 per setting. J. C. Baughman, 2215 Lincoln St., Topeka, Kan.

siding and double floored. An old wood stove keeps the house comfortable in March and April. There are four windows in the south side. At night I put the chicks in boxes with plenty of straw in the bottom and cover them with gunnysacks. When cool I heat the house in the morning and the chicks surely enjoy their breakfast in the warm room. It is seldom I lose a chick with sickness and I have far better luck with this method than by raising them with the fussy hens. I feed the chicks commercial chick food, boiled in fertile eggs from the incubator, and corn bread made with soda and sour milk. Later they get Kafir and chop. So far I have lost but one chick from my first hatch and two from my second.

Jennie V. Fitch.

Yates Center, Kan.

## Reliable Poultry Breeders

### LEGHORNS.

FINE S. C. W. LEGHORN eggs, \$4 100. Geo. Patterson, Melvern, Kan.

S. C. BROWN LEGHORN eggs, \$3.25 100. Chas. Lorenz, Hitchcock, Okla.

SINGLE COMB WHITE LEGHORN eggs. Royal Yeoman, Lawrence, Kan.

THOROUGHbred S. C. W. L. eggs \$1.25 per 15. Sarah Rollins, Gretna, Kan.

EXTRA GOOD S. C. W. Leghorns. Eggs, chicks. Armstrong Bros., Arthur, Mo.

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

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

BROWN LEGHORNS, both combs. Won again. Eggs. Mrs. Ida Standifer, Reading, Kan.

PURE RANGE S. C. W. LEGHORNS—15 eggs 75c, 100 \$4.00. R. Harrison, Jewell, Kan.

PURE Single Comb White Leghorn eggs 17 \$1.00. Stock for sale. C. O. Kelley, Mena, Ark.

PURE S. C. BROWN LEGHORNS—Eggs, 30 \$1.00, 100 \$3.00. S. Oveson, Osage City, Kan.

SINGLE COMB WHITE LEGHORNS. Eggs \$3 per 100. Harry Givens, Blue Rapids, Kan.

PURE BUFF LEGHORNS, S. C.—Eggs, \$3 \$1.75, 100 \$4. J. A. Reed, Route 2, Lyons, Kan.

ROSE COMB BROWN LEGHORNS—Kulp strain. Eggs, 100 \$3. Mary Miek, Ransom, Kan.

S. C. BROWN LEGHORN eggs for hatching, \$4.00 per hundred. H. N. Holdeman, Meade, Kan.

SINGLE COMB BUFF LEGHORNS—Baby chicks, pen eggs and range eggs. Mrs. John Wood, Solomon, Kan.

SINGLE COMB BROWN LEGHORNS—Pullet line only. Eggs \$1 15, \$5 100. Tiff Moore, Osage City, Kan.

S. C. W. LEGHORNS—Free range, great layers. Eggs, 100 \$3.00, 15 75c. C. B. Wilson, Burlingame, Kan.

PURE BRED Single Comb Brown Leghorns, fine quality, bred to lay, \$6.00 100. John Noble, Riley, Kan.

S. C. WHITE LEGHORN eggs for hatching. All correspondence promptly answered. L. M. Shives, Iuka, Kan.

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

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

S. C. W. LEGHORN eggs the remainder of the season, \$1.00 per 15, \$4.50 per 100. Geo. S. Phillips, Tecumseh, Neb.

DORR'S prize winning pure Single Comb Brown Leghorns. Eggs \$3.50 per 100; \$2 \$1.25. Chas. Dorr & Sons, Osage City, Kan.

ROSE COMB WHITE LEGHORN eggs. Fifteen one dollar. One hundred four dollars. Mrs. C. S. Wade, Miltonvale, Kan.

SINGLE COMB BROWN LEGHORNS—Bred from best laying strains. Eggs at farmer's prices. J. F. Crandall, Barnes, Kan.

SINGLE COMB BROWN LEGHORNS—Excellent layers, large white fertile eggs, 100 \$3.00, 50 \$2.00. Mrs. Kenyon, Tyrone, Okla.

SINGLE COMB BUFF LEGHORNS—Prize winners. Egg circular free. Prices reasonable. Chas. M. Childs, Pittsburg, Kan., Route 3.

EGGS from my choice flock of Rose Comb White Leghorn hens \$4.50 hundred, \$1.75 per thirty, \$1.00 per fifteen. Mrs. Charles Dibben, Wakefield, Kan.

DORR'S PRIZE Rose Comb White Leghorns won the best prizes at the State Show. Eggs 15 \$1.00, \$5.00 per 100. A. G. Dorr, Osage City, Kan.

S. C. BUFF LEGHORNS—I have 100 selected hens mated with \$5.00 cocks. Farm raised. Eggs \$1.00 per 15, \$3.00 per 50, \$5.00 per 100. O. L. Hamby, Fair Play, Mo.

MONEYMAKERS, prize winners; 180 lay \$900 a year. Single Comb White Leghorns, \$2 to 25 each. Babies 10 cents. Eggs 5 cents. Stock 1/2 price after June 1st. Shipped C. O. D. Clara Colwell, Smith Center, Kan.

THOROUGHbred Rose and Single Comb Rhode Island Red eggs from 93 to 94 point males and high scoring females, trapped for superior egg production, \$2 per 15, \$3.50 per 30, \$5 per 45. D. J. Bliss, Carthage, Mo.

MY STANDARD BRED S. C. Buff Leghorns won at Newton 1st cock, 1st and 2d cockerel, 1st, 2d and 3d hen, 1st, 2d, 3d and 4th pullet, 1st pen. Stock for sale—cockers \$1 and up. Eggs \$2.50 for 15; \$5 for 100. S. Perkins, 801 E. First street, Newton, Kan.

### BRAHMAS.

EGGS remainder season, \$4 hundred. \$1 setting. Mrs. Frank White, Furley, Kan.

LIGHT BRAHMAS, White and Silver Laced Wyandottes, Barred Rocks; eggs 15 \$1.00. Indian Runner ducks, eggs 13 \$1.00. Fred Pfeleger, Kappa, Ill.

### BLACK SPANISH.

WHITE FACE BLACK SPANISH—15 eggs \$1.00, \$1.50. Hattie Tyler, Fairview, Kan.

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

## Reliable Poultry Breeders

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

**BARRED R.** eggs \$1.00 15, \$4.00 100. M. Burton, Haddam, Kan.

**BUFF ROCK** baby chicks and eggs. Mrs. Fred Miller, Wakefield, Kan.

**WHITE ROCK** eggs, 15 \$1.00, 100 \$4. Mrs. Frank Powell, Buffalo, Kan.

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

**WHITE ROCK** eggs, 60 per cent hatch guaranteed. W. J. Lewis, Lebo, Kan.

**RINGLET ROCKS**—Laying strain. Eggs, dollar per 15. Tracy's, Conway Springs, Kan.

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

**WHITE ROCKS**—State Show winners. Eggs \$2 and \$3 per 15. R. C. Lane, Newton, Kan.

**PLYMOUTH ROCK** eggs for setting, \$1.25 per 15, \$2.00 per 30. J. R. Collins, Solomon, Kan.

**BARRED ROCKS**. Winners, weighers and layers. 15 eggs \$1. O. Warrenburg, Centerville, Kan.

**"WHITE IVORY" WHITE ROCKS**. Eggs \$1 15, \$5.00 100. Mrs. Harry Webster, Yates Center, Kan.

**BARRED ROCKS**—Large, vigorous farms raised. 50 eggs \$2. Mrs. Ernest Rowe, Jewell, Kan.

**BARRED ROCK** eggs and chicks from scored birds. Mrs. H. F. Schmidt, Humboldt, Kan.

**PRIZE WINNING BARRED ROCKS**. Eggs \$2.00 15, \$5.00 50. Mrs. Chris Bearman, Ottawa, Kan.

**PARTIDGE ROCKS**—Nottzberger strain. 15 eggs \$2.00, 12 baby chicks \$3.00. Harry Zenger, Winfield, Kan.

**WHITE ROCKS**—Scored to 94 by Stoner. Eggs 15 \$1.00; 100 \$4.00. Mrs. J. W. Hoornbeek, R. 3, Winfield, Kan.

**BARRED PLYMOUTH ROCKS** exclusively. Eggs, 30 \$1.50; 100 \$4.00. Catherine Beightel, Holton, Kan.

**PRIZE WINNING WHITE ROCK** eggs for sale. 15 \$1.50; \$5.00, \$5.00, \$7.00 per 100. Mr. E. Brooks, Frankfort, Kan.

**BARRED PLYMOUTH ROCKS** exclusively. Eggs 60 cts. per 15, \$3.00 per hundred. Mrs. S. B. Shaw, Goff, Kan., R. 3.

**PURE BUFF ROCK** eggs (farm range) for hatching, \$4.50 per 100. Mrs. Perry S. Myers, Fredonia, Kan., Route 3.

**PURE BRED WHITE ROCKS**—Best strains. Eggs \$1.00 per 15, \$5.00 per 100. Mrs. B. B. Williams, Sabetha, Kan.

**BARRED ROCK** eggs, good boned, well barred, 75 cts. per 15; \$1.25 per 30; \$3.75 per 100. Mrs. Geo. Slater, Cleveland, Kan.

**BLUE BARRED ROCK** and R. C. chocolate Red eggs from birds that talk for themselves. Write Milton Deihl, Lawrence, Kan.

**BARRED ROCKS**—32 premiums. Eggs, 15 \$1.00, 100 \$5.00; special matings, 15 \$5.00. Stock \$2.00 up. W. Opfer, Clay Center, Kan.

**BUFF ROCKS**. Farm raised; prize winners. Eggs, 15 \$2.00. Express prepaid. Circular free. Ferris and Ferris, Effingham, Kan.

**BARRED ROCK** eggs, \$1.50 for 15, from prize winning, high priced birds. Eggs guaranteed fertile. E. C. Jewell, De Witt, Neb.

**BUFF ROCKS**—Eggs \$1 per 15, \$5 per 100. Baby chicks 25c. From Delventhall (Johnson strain). Mrs. Jno. Babb, Centralia, Kan.

**BARRED ROCK** eggs. From prize winning stock. Farm raised. \$1.00 per 15, \$5.00 per 100. Mrs. H. Buchanan, Abilene, Kan.

**PURE WHITE ROCKS**. Eggs from snow white strong, vigorous, alfalfa range stock. \$5.00 per hundred. Jno. O. Evans, Asherville, Kan.

**BARRED ROCK** eggs from special mating \$3.00 per 15; from prize winners \$2.00 per 15, \$3.50 per 30; fertility guaranteed. J. E. Hackney, Troy, Kan.

**INDIAN RUNNER** ducks, Barred Plymouth Rocks, Light Brahmas. Eggs from prize winners. Satisfaction guaranteed. Bert White, Burlington, Kan.

**PURE BRED BARRED ROCKS** with yellow legs. Baby chicks 12 cents each. Eggs 15 \$1.25, 30 \$2.00, 100 \$5.00. Mrs. John Yowell, McPherson, Kan.

**BARRED ROCKS** that have been line bred for 13 years; exhibition stock a specialty; must make room; cockerels \$1.00 to \$10. G. R. Miller, Bowling Green, Mo.

**WHITE ROCKS** (Phebe) scoring 94½, from prize winners. Also Barred and Buff. Separate farms. 15 eggs \$1.00; 50, \$3.00; 100 \$5.00. Chicks 15c. J. Drake, Nickerson, Kan.

**BARRED ROCKS**—44 premiums, 19 firsts. Winners Topeka, Manhattan, Clay Center. Eggs, 15, \$2.50; 30, \$4.50; 15, \$1.00; 60, \$3.25; 100, \$5.00. Mrs. D. M. Gillespie, Clay Center, Kan.

**BUFF ROCKS** exclusively. Eggs from healthy, vigorous, farm raised stock. \$2.50 per 15, \$4.00 per 30, \$7.00 per 100. Range \$1.00 per 15, \$2.50 per 30, \$5.00 per 100. Mrs. C. N. Bailey, R. 2, Lyndon, Kan.

**BARRED PLYMOUTH ROCKS** exclusively. Eggs from prize winning stock. \$2.50 per 15, \$4.00 per 30, \$7.00 per 100. Range \$1.00 per 15, \$2.50 per 30, \$5.00 per 100. Mrs. C. N. Bailey, R. 2, Lyndon, Kan.

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## Reliable Poultry Breeders

**PLYMOUTH ROCKS.**  
**SHELLEY BROS.' BARRED ROCKS** won 70 premiums—44 firsts, specials and sweepstakes—at Kansas' largest show. Eggs, \$3.00 for 15; \$5.00 for 30; guaranteed. Circular free. Shelley Bros., Emdale, Kan.

13 YEARS' experience with Onward and Upward Barred Rocks has put them in the very front ranks of breeding and individuality. 15 eggs \$3. Pullet mating only. G. R. Dyksterhuk, Holtz, Colo.

**O'GARA'S BARRED ROCKS**—At the great Topeka Show won more prizes than any other exhibitor excepting Grove Hill. State Club cup for best display. Eggs \$2.00 per 15, \$10.00 per 100. 50 high grade pullet bred females for sale, \$2 to \$5. John O'Gara, 210 Washburn Ave., Topeka, Kan.

**ORPINGTONS.**  
**IRWINDALE FARM** White Orpington eggs half price. Free circular. Route 7, Topeka.

**S. C. BUFF ORPINGTON** eggs \$1.50 for a setting of 15. C. L. Vantine, Brownell, Kan.

**BUFF ORPINGTON** hens \$1.00, \$11.00 ds. Eggs \$5.50 100. Nettie Kubik, Caldwell, Kan.

**KELLERSTRASS** Crystal White Orp. hens for sale at \$1 each. C. B. Owen, Lawrence, Kan.

**S. C. BUFF ORPINGTON** eggs, 15 \$1.00, 100 \$4.00. Mrs. O. R. Gale, Cherryvale, Kan., Rt. 1.

**PURE BUFF ORPINGTON** eggs, 50 cts. per setting. Bruce Hunter, Lyons, Kan., R. 6.

**BUFF ORPINGTON** eggs 20 per cent off after May 1. Mrs. T. N. Beckey, Linwood, Kan.

**OSCAR ZSCHEILE**, Burlington, Kan. White Orpingtons exclusively. Eggs and cockerels.

**BABY CHICKS**—Kellerstrass Orpingtons 25 cents. Mixed breed 6 cents. Fred Baile, Fredonia, Kan.

**S. C. WHITE ORPINGTON** eggs \$1.00 per setting. Mrs. Horatio McClelland, McPherson, Kan., Rt. No. 7.

**EGGS**—S. C. Buff Orpingtons, Barred Rocks, 75c and \$1.00 per 15. Mrs. W. M. Errington, Ruleton, Kan.

**S. C. BUFF ORPINGTON** eggs \$1.75 1 setting; \$3.25 2 settings; \$4.75 3 settings. Mrs. N. J. Vickery, Arkos, Mo.

**KELLERSTRASS** White Orpington eggs half price after May 15th. Catalog free. A. B. Collins, Yates Center, Kan.

**WHITE ORPINGTONS**—Best strains. Eggs at utility prices. Mating list and photo free. C. E. Reed, Norton, Kan.

**KELLERSTRASS** White Orpington cockerels. Strictly high class eggs. W. A. Ahlmon, Cottonwood Falls, Kan.

**CRYSTAL WHITE ORPINGTONS**—Stock and eggs for sale. Need room; stock must go. Thos. W. Miller, Oswego, Kan.

**WHITE ORPINGTONS** only. Kellerstrass strain. Eggs \$3.00 per 15. Of the good. Get the best. Sunflower Poultry Plant, Topeka, Kan.

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

**HAURY'S** invincible White Orpingtons. Stock and eggs for sale reasonable. Send for mating list. Dr. Arthur O. Haury, Newton, Kan.

**S. C. B. ORPINGTONS** exclusively, free range, extra large stock, good buff; eggs \$1.25 15, \$3 50, \$5 per 100. Chas. Brown, Parkerville, Kan.

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

**CRYSTAL WHITE ORPINGTON** eggs, three selected matings, \$2.00 per setting, 3 for \$5.00; catalogue free. P. H. Anderson, Box M-53, Lindsborg, Kan.

**FOR SALE**—Kellerstrass White Orpington chicken eggs. \$3.00 per setting. Indian Runner duck eggs \$1.00 per setting. Mrs. A. Lemle, Arlington, Kan.

**SINGLE COMB BUFF ORPINGTONS**—Prize winning stock. Eggs and stock reasonable price. Ask for free mating list. J. F. Cox, R. 8, Topeka, Kan.

**SINGLE COMB BLACK ORPINGTONS**—Six firsts, one second; heavy weights; heavy layers. Catalog free. Rose Cottage Poultry Yards, Phillipsburg, Kan.

**KELLERSTRASS** Crystal White Orpingtons. Eggs from pens scoring 94 to 96, \$2.50 per 15, \$4.50 per 30. Satisfaction guaranteed. K. R. Ahlborn, Smith Center, Kan.

**GOLDEN BUFF ORPINGTON** eggs, 15 \$1.00, 30 \$1.75, 100 \$4.00. Special matings, 15 \$3.00; only few to spare from this pen. White House Poultry Farm, Salina, Kan.

**KELLERSTRASS** Crystal White Orpingtons. The big egg laying strain. If you want the best I have them. Eggs 20 and 35 cts. each. Chicks 50 cts. F. G. Irwin, No. Topeka, Kan.

**LISTEN**—To make room, sixty large year old laying Buff Orpington hens. Hobbs strain, \$1 each. Cocks \$1 to \$5. Double your money back in eggs by spring. C. Holaday, Woodbine, Kan.

**VERNON'S** Kellerstrass White Orpingtons. Stock and baby chicks for sale. Eggs, high class, now reduced. Order at once. I won all best prizes but one at State Show, 1912. J. L. Vernon, 1905 Lorraine Ave., Wichita, Kan.

**KELLERSTRASS** White Orpingtons. Score 90 to 93. Pens mated, utility stock, baby chicks and eggs. A few cocks. Standard prices cut in two. Member National White Orpington Society. Rev. O. S. Morrow, 614 Kansas Ave., Topeka, Kan.

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## Reliable Poultry Breeders

**RHODE ISLAND REDS.**  
**RHODE ISLAND WHITE** hens. F. Bucher, 1009 W. Pine, Enid, Okla.

**REDS** in both combs. Mating list free. G. D. Willems, Iaman, Kan.

**SINGLE COMB REDS**—100 eggs \$3.50. Gertrude Haynes, Meriden, Kan.

**BABY CHICKS**—Purchased S. C. Reds 10 cts. Mrs. Geo. Tudor, Osage City, Kan.

**ROSE COMB REDS**—Eggs from fine stock 50 \$2, 100 \$4.50. John A. Reed, Lyons, Kan.

**R. C. REDS**, score 90 to 93. Eggs \$3 per 15. Rates. Mrs. Ina Hayford, Pomona, Kan.

**CHICKS** from Rose Comb Rhode Island Red prize winners 10c each. S. H. Lenhart, Abilene, Kan.

**PURE BRED S. C. REDS**—15 eggs 75c, 100 \$2.50; baby chicks 10c. J. E. Scott, Gas, Kan.

**PURE S. C. REDS**, splendid laying strain. Eggs \$1.00 15, \$5.00 100. Mrs. W. L. Madson, Hazelton, Kan.

**NEOSHO POULTRY YDS.**—Rose Comb R. I. Reds. Eggs at cut prices. J. W. Swartz, Americus, Kan.

**ROSE COMB RED** eggs sixty cts. per setting; four dollars per hundred. Mrs. Jas. Shoemaker, Naroka, Kan.

**ROSE COMB REDS**—Eggs \$1 to \$5 per setting, from prize winning birds. F. M. Thompson, Fairmont, Neb.

**SIX YEARS** a breeder of the R. C. Red. 55 cents 15 eggs, \$4.00 per hundred. Frank G. Statinsch, Bremen, Kan.

**SINGLE COMB RHODE ISLAND RED** eggs, \$3 per 100; \$1 per 30. Mrs. Rosa Jansen, Geneseo, Kan., R. 2.

**NEOSHO POULTRY YARDS**—Rose Comb R. I. Reds score to 93. Satisfied customers. J. W. Swartz, Americus, Kan.

**HIGH CLASS** Rose Comb Reds. Eggs for hatching guaranteed. Send for mating list. Fred T. Nye, Leavenworth, Kan.

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

**ROSE COMB RHODE ISLAND REDS**. 75c per 15, \$3.50 per hundred. Good utility stock. Adda Walker, White City, Kan.

**ROSE COMB RHODE ISLAND RED** eggs, excellent laying strain, \$1 per 15; \$5 per 100. Mrs. D. W. Osborn, Pawnee City, Neb.

**SEVEN YEARS** a breeder of R. C. Reds. Good layers; farm range eggs \$4.00 100, Anconas \$1.00 15. Mary Bartley, Barnes, Kan.

**RHODE ISLAND REDS**—Both combs. Eggs, 15 \$1.00-\$1.50. Baby chicks, 15 cents each. Mrs. Theron Van Scoter, Irving, Kan.

**RHODE ISLAND RED** eggs. Tompkins strain. Both combs. Score to 94½. Eggs \$1.50 to \$3.00. Red Colony Farm, Elk Falls, Kan.

**S. C. REDS** from high scoring stock. Eggs \$1 to \$3 per setting. Satisfaction guaranteed. B. W. Stewart, R. R. 1, Talmage, Kan.

**S. C. R. I. REDS** \$1.00 per 15. Vigorous, laying strain. Good color. Pen stock. Via S. F. or Mo. P. Mrs. H. H. Herst, Argonia, Kan.

**BUY S. C. RED** eggs from my fancy pens, and get value received. Having excellent hatches reported. Write for prices. Clyde C. Whiteley, Wichita, Kan.

**SINGLE COMB RHODE ISLAND REDS**. Descendants of state winners. Heavy winter layers. 15 eggs \$1.00, 100 \$5.00. Chicks 15c. W. Drake, Nickerson, Kan.

**SINGLE AND ROSE COMB R. I. REDS**. Eggs from best laying, richly colored strains in the country. 15 for \$1, \$4 per 100. Col. Warren Russell, Winfield, Kan.

**CHOICE** Rose Comb Rhode Island Reds, fine shape, splendid color and size, good layers. Eggs for sale \$1.00 for fifteen. Miss Jessie B. Starr, Vinita, Okla.

**THOROUGHbred** R. C. R. I. Red eggs from range stock \$1.00 per 15, \$5.00 per 100. From high scoring pen \$1.50 per 15. Mrs. Riley Ingraham, Manhattan, Kan.

**ROSE COMB RHODE ISLAND REDS** from World's Fair prize winners and others as good. Eggs 5 cents; babies 15c. Stock \$2 to \$50 each. C. R. Colwell, Smith Center, Kan.

**BLUE RIBBON R. C. REDS**. Red eyes, long back, big bone. Scoring 90 to 94. Eggs \$1.00, \$3.00, \$5.00. Range \$4.00 per 100. Sibley strain. Ruby Morris, Rosalia, Kan.

**SECRETARY BORDERS** says I have won 45 prizes at Kansas State shows, next highest 15. Enough said. S. C. and R. C. Reds. Eggs \$1.50 and \$3.00 per 15. R. B. Steele, Sta. B, Topeka, Kan.

**BIG BONED** deep R. C. Reds. Red to skin. Red eyes. Long black low tail. Scored 90 to 94. Eggs 25 cents; after May 20th 10 cents. Good hatch high scoring stock guaranteed. Highland, Hedrick, Iowa.

**ROSE COMB RHODE ISLAND RED** eggs, from pens headed by cock birds costing from \$10.00 to \$25.00. Eggs at sacrifice prices after May 1. \$1.00 per setting. \$5.00 per hundred. Address Grandview Stock Farm, Americus, Kan.

**RHODE ISLAND REDS**—Both combs. One of the oldest Red breeders in Kan. Ten matings to furnish eggs for hatching. Fertility and safe arrival guaranteed. Prices within reach of all. Illustrated mating list free. H. A. Sibley, Lawrence, Kan.

**DEEP RED R. C. REDS**—Pens headed by State Show and other show winners. All scored stock. Eggs cheapest in the West, quality considered. \$1.00 to \$3.00 per 15. Large yard of choice color, shape and size. \$4.50 per 100. Free circular. Stover & Myers, Fredonia, Kan.

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## Reliable Poultry Breeders

**MINORCAS.**  
**SINGLE COMB BLACK MINORCA** eggs, 15 \$1.00, 30 \$1.75. Sarah Peters, Nashville, Kan.

**TOULOUSE GESE.**  
EGGS from prize winning mammoth Toulouse geese \$1.00 per setting. S. H. Lenhart, Abilene, Kan.

**ANCONAS.**  
ANCONAS exclusively. 15 eggs \$1.00, 100 \$6.00. Lucie House, Haven, Kan.

**MOTTLED ANCONAS**—Fine layers; eggs, \$1.50 per 15. Carl Sandfort,

## The WOMEN

Conducted by



## FOLKS

Mabel E. Graves

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

Often when a woman has the blues it's just because she's tired. There's only one moral to this remark.

Women do so many things from a sense of duty they haven't much time left for doing things just because they enjoy them.

Children enjoy having something of their own to do, just like grownups. When school is out they enjoy helping father and mother, as all well trained children should, but besides that they want something of their very own. It's good training for them, too.

Vacation time is a good time for the girls to learn to be housekeepers. But they need to learn to plan as well as work.

Soft greens and browns are among the prettiest shades in wall paper, but never, never a dark brown. If the house seems lacking in light use yellows and tans. "Avoid reds in wall paper," is a maxim every home maker needs to learn by heart.

Uncle Sam has just sent out a cook book that every housewife will be glad to own. It is on the subject of cheese, and after telling how to make all the best known kinds of cheese there are recipes for 80 different ways to use cheese in cooking. And all this information is free for the asking. If you want it write to the Secretary of Agriculture, Washington, D. C., and ask for Bulletin No. 487, entitled, "Cheese and Its Economical Uses in the Diet."

### Try This For Something New.

An easy and delicious dessert is made by pouring a can of sweetened sliced pineapple over marshmallows. Do this a few hours before using, so the juice will get through the marshmallows. Serve with whipped cream.

Mrs. Austin Hillyard.

Phillipsburg, Kan.

### Keeps Lamp Chimneys Clean.

I find the boxes that lamp flues are bought in good as a protection from dust and flies. I take out one end, and paper the box with wall paper. When the lamp isn't in use I slip the box down over the flue, and it is free from soil the next time it is wanted.

Mrs. Martha Sewell.

Netawaka, Kan.

### As Good As A Skirt Hanger.

Clothes can be hung away handily with common safety pins. Take a skirt by the band and fold once, then again, put the pin in the center, and it is ready to hang up. And it doesn't take as much room as a skirt hanger. The same plan may be used with waists and children's dresses, being careful to avoid wrinkling when folding.

Mrs. E. G. Hoffman.

R. 2, Hope, Kan.

### Starch That Doesn't Stick.

[Prize Suggestion.]

Those who have trouble with their starch should dissolve 1 tablespoon of starch and 1 teaspoon powdered borax in 1/2 pint cold water. Stir constantly while adding boiling water until all is clear. The pieces you want stiffest wring quite dry from the rinsing water and starch first. Anything in which you wish very little starch dip in the starch without wringing, then wring dry.

Lyons, Kan.

E. A. S.

### The Spirit of Home.

With our editor's gracious permission, I pass along this sentiment, which I have culled from a present-day author: "Home isn't a house—or a hedge—or a china closet! No, sir! Home is the spirit that comes and lives in the house and the hedge and the china closet! When you choose a pretty pink wall paper instead

of a homely drab one, when you plant a white rose under your dining room window, when you light a green shaded lamp, when you pull the foot stool close to the glowing fire, these are little traps you set to entice the Spirit of Home into your house and your garden."

Let us by gentle deeds and winning ways, by tact and thoughtful consideration for others, do all in our power to lure this beneficent and sweet Spirit of Home.—Epha M. Brownlee, Topeka, Kan.

### A Modern Kansas Home

BY MRS. W. RIGGS.

This is my plan for a house 28 by 30 feet which is to be set over a basement 20 by 28 feet with cement walls and floor. I suggest having coal, fruit, and a few vegetables always handy in this basement.

The dumb waiter room should be screened in, with a little door in one side. Then one can go down stairs, put meat, vegetables and fruit on one shelf, and bread, butter and cream on another, or perhaps even a bucket of coal, then go upstairs empty handed, pull on a rope, and presto! fuel and articles for dinner are all in the kitchen.

A 10 or 12-inch galvanized tube can be run from the second floor, down through the bath room on first floor and on down to the basement, with a closed laundry box with a door at the lower end. This tube is for soiled clothes and will save many a step, since as soon as the clothes are put in they drop down to the basement, where in this case all the washing is done. There should be an opening into the tube in the bath room, where soiled clothes from the first floor may be dropped in.

A high pressure tank is in the basement, and another tank for hot water is near the kitchen range. The water is heated by pipes running through the fire box of range. Hot and cold water are piped both to sink and bath room. If this house is not built a full two stories there should be two gable windows at the front of house, and a gable door at the back, opening onto roof of back porch. If this porch is built flat enough to go out on, with a railing around for safety, it will be handy for airing bed clothes. Next to a good refrigerator in the pantry would be an ice box built in with a small outside door for putting in ice. A drainage pipe should be fitted in to carry off the water as the ice melts. In the kitchen a three-burner kerosene stove is a comfort in hot weather, and a fireless cooker is almost indispensable at all times.

The rooms on the first floor are indicated in the illustration. No. 1 shows the location of kitchen range, 2 the dumb waiter, 3 kitchen chimney, 4 basement stairs, 5 chimney, 6 stairs to second story, 7 hot water tank, 8 china closet. On the second floor there are

four bedrooms, with a closet for each room, besides the hallway. In the basement No. 1 indicates the fruit cupboard, 2 dumb waiter room, 3 coal room, 4 vegetables, 5 foot of stairs, 6 high pressure water tank, 7 pork barrel, 8 outside door.

### Believes In the Farm.

There has been a good deal said on the question of farmers moving to town, but I am still an advocate of farm life. There is no reason why the farmer and his family should not have just as good clothes as their city cousins. A man who would be able to dress well in the city can, if he lives on the farm, easily afford to take his good wife and make a trip to the city once or twice a year for supplies, if he cannot find what he wants in the smaller towns in his own community. And as to having better food, it is the farmer's own fault if he does not eat the best of everything. On our farm we kill the choice heifer and sell the old cow to the people in the city. And we always have the fresh butter, eggs, chickens and vegetables. While there is plenty of work on the farm, there is also independence. The city has its advantages, but when we read in the daily papers of the crime and the temptations that go with city life we feel like saying we will stay on the old farm a while longer.

Mrs. W. B. Worcester.

Esbon, Kan.

### Training Up the Children.

I have been very much interested in the articles written for the woman's page, but what inspired me most was the comment made by Mabel E. Graves on child training. I wanted to say, Amen! amen! As Abraham Lincoln said, "them's my sentiments;" and I wish they could be impressed on every woman's heart. How much better this world would be, how much better prepared to go out into the world the girl would be if she had learned at her mother's knee all the laws of nature concerning womanhood. The mother need not then be afraid of her daughter's running blindly into the many pitfalls laid for innocent, ignorant girls. I know a young girl who has been thus brought up, and a more beautiful character I never knew. But how about the boy? Too many times the boys are neglected. The father's duties are as stringent as the mother's, and he should be the boy's confidant and companion.

Foss, Okla.

M. E. R.

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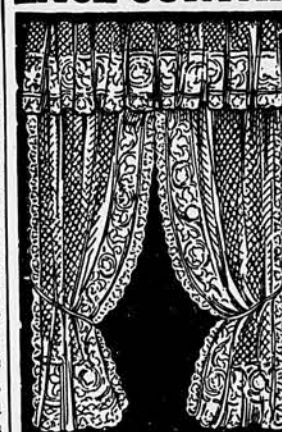
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### Let Us Have Good Breakfasts.

An attractive breakfast table goes a long way toward starting the day right for the entire family. Half the bad temper in the world is caused directly or indirectly by poor meals.

Breakfast menus should be simple, but everything must be well prepared and served. There should be fruit, always preferably fresh if one can get it, but stewed fruits will do very well. Many consider a cereal breakfast food essential, and it should always be served with rich cream.

Cold bread is never appetizing at breakfast. Hot biscuits, muffins, or gems, are not much trouble to make and with fruit and coffee are a tempting meal in themselves—all that many persons care for. Crisp brown toast will also tempt delicate appetites.

If you wish to make your breakfasts attractive, avoid that deadly sameness, so noticeable in breakfast dishes. This is best done by changing the methods of preparing foods. For instance, soft-cooked eggs every morning would soon pall on any appetite. The woman who knows how can serve poached eggs on toast one day, creamed eggs in crusttades the next day, and omelet the next. And though she serves the same food every day, her breakfasts have the charm of variety.

### Make These on Baking Day.

[Prize Letter.]

**Baked Rice**—Cook rice in salted water until tender. Do not stir, but shake the pan, and the rice will not stick and will be in whole grains when done. Then take a porcelain baking dish and put in a layer of the cooked rice, then a layer of sliced cheese, a light layer of creamed tomatoes, and several bits of butter. Continue in alternate layers, then pour over it rich milk and bake 1 hour in a hot oven.

**Baked Eggs**—Take your gem tins, grease with butter, and break an egg into each cup. On top of each egg put a lump of butter, a light sprinkling of grated cheese and fine cracker crumbs, salt and pepper, and bake until eggs are set. These make an appetizing change from fried eggs.

**Baked Salmon**—Pick into bits 1 can of red salmon, remove all bones, add 1 well beaten egg, 1½ cups cracker crumbs, ½ cup sweet cream and ¼ cup melted butter, salt and pepper to taste. Place in baking dish and bake 30 minutes in a moderate oven. Serve hot.

Mrs. Fay R. Gunn.

Woodsdale, Kan.

### Ice Cream Cake.

[Prize Recipe.]

Prepare an angel's food batter by the following recipe: Whites of 11 eggs, 1½ tumblers powdered sugar, 1 tumbler flour, 1 level teaspoon cream of tartar, 1 teaspoon vanilla extract. Sift flour seven times, sift sugar five times, beat eggs until frothy but not stiff. Add cream of tartar and beat until very light, then add sugar, a little at a time, beating constantly. Stir flour in very lightly. Add vanilla and pour at once into three ungreased layer cake pans. Bake in a moderate oven 25 minutes, or until when tested with a straw the straw comes out clean. If the oven is just right, too hot for loaf cake but not hot enough for biscuits, and if you set a cup of water

in the oven when you put the cake in to bake, you need not look into the oven until the 25 minutes is up. After taking from the oven invert on oiled paper or cloth, and when cold if the cake does not fall out itself loosen from sides of pans with a knife.

For the filling beat 1 pint of thickest sweet cream until it looks like ice cream. Add a cupful of powdered sugar and flavor with a teaspoon of vanilla. Have ready 1 pound of blanched almonds, add to the mixture and put very thick between the cake layers. Ice with a boiled frosting, and you will have an ideal cake.

Mrs. Ethel Taylor.

Fort Towson, Okla.

### How They Do Things At Home.

A few drops of lemon juice added to the water in which rice is cooking will make it light and fluffy.—Mrs. Edith B. Raley, Hennessey, Okla.

Onions that are to be fried are better if they stand several hours in salt water.—Mrs. Austin Hillyard, Phillipsburg, Kan.

To get best results from dried fruits of any kind, put to soak in warm water to which a little salt has been added.—Edith B. Raley, Hennessey, Okla.

Did you ever try painting the walls instead of papering? Then there is no place for vermin to hide, and you can wipe the walls as you would oilcloth.—Mrs. Susie Lewis, R. 1, Hoisington, Kan.

Yolks of eggs left over will keep for several days in a bowl of cold water and can then be used for cooking.—Mrs. Austin Hillyard, Phillipsburg, Kan.

If the broom is dipped for a minute or two once a week in a kettle of boiling hot suds it will last much longer, since the hot water will make it tough and pliable. And a carpet swept with such a broom will also last much longer.—Mrs. E. J. C., Colorado Springs, Colo.

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

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

## FARM WANTED.

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

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

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

**WANTED**—Reliable man to sell nursery stock. We have a splendid position to offer. Write today for particulars. James Trull & Sons, Nurserymen, Chanute, Kan.

**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.

**WANTED**—Active man in every lodge. To join this Society. Carry its sick accident, death benefits. Get friends to join. Spare time. \$50 to \$150 a month. Write for particulars. Box BQ-293, Covington, Ky.

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

**MEN WANTED**, age 18 to 35, to prepare for firemen and brakemen on railroads in Topeka vicinity. \$80 to \$100 monthly. Experience unnecessary; no strike. Promotion engineer or conductor, \$150 to \$200 monthly. Good life careers. State age; send stamp. Railway Association, Dept. 510, 227 Monroe street, Brooklyn, N. Y.

**MAIL CLERKS**; Carriers; Clerks in Patent Offices; Agriculture; Treasury; Army; Navy; and other departments at Washington, wanted by Government. Excellent salaries. No "layoffs." Short hours. Annual vacations. Position would be yours for life. Examinations everywhere soon. Common education sufficient. Thousands of appointments coming. "Pull" unnecessary. Farmers eligible. Write immediately for sample questions and large illustrated book telling duties and giving full particulars. Franklin Institute, Dept B 55, Rochester, N. Y.

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

## FEMALE HELP WANTED.

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

## AGENTS WANTED.

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

**WANTED**—Energetic, reliable men as local agents; cash each week; outfit free. Get terms before your territory is covered. The Ince Nursery Company, Lawrence, Kan.

**MEN OR WOMEN**—Here is the chance for hustlers; 25c guaranteed article; demand in every home. Repeat orders heavy; \$2 dozen commission. Particulars free. W. C. Dodge, Dayton, Ohio.

**BOY AND GIRL AGENTS**—Sell 24 packages of post cards for us at 10c each and receive an air rifle or a bracelet free. Write today. Burns Novelty Co., 2201 Dudley Ave., St. Paul, Minn., Dept. A.

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

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

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## WANTED TO RENT.

**WANTED**—To rent 1/2 section on shares. 200 or more in cultivation, prefer some alfalfa on place. Want possession Aug. 1st. Must be close to school, church. Give reference if desired. Prefer northern Okla. J. L. Sherrod, Homestead, Okla.

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**WANTED**—Salesladies and gentlemen. \$5 to \$8 a day selling guaranteed article. Experience unnecessary. Write Incandescent Supply Co., Wichita, Kan.

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

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

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

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## Better Farther On.

Smith started out, in answer to  
A write-up of a distant land,  
Where fruits and flowers always grew  
And south winds warmed a coral strand;  
But soon a letter came along—  
He had not been away a year—  
And this is the burden of Smith's song:  
"You have to earn your living here."

Again Smith moved—and he was most  
Enthusiastic o'er the view;  
'Twas where, to quote the agent's boast,  
The easy money bushes grew;  
But back a post card winged its flight  
To those at home who held Smith dear;  
And this was all he cared to write:  
"You have to earn your living here."

Poor Smith! in vain his restless feet  
Shall fare beneath the rainbow arch;  
In vain through lands of cold and heat  
Shall he, and kindred searchers, march;  
For there has always been one sign  
To greet man's vision, dull or clear;  
Even in Utopia it shall shine:  
"You have to earn your living here."

—Denver Republican.



## FOSTER'S FORECASTS

### CHANGE IN CROP WEATHER.

(Copyrighted 1910, by W. T. Foster.)  
To Farmers Mail and Breeze:

Washington, D. C., May 18.—My last bulletin gave forecasts of disturbances to cross continent May 18 to 22 and 21 to 25, warm waves May 17 to 21 and 20 to 24, cool waves May 20 to 24 and 23 to 27. Temperatures of these two disturbances will average lower than usual and therefore the crop weather will not be of the best, not as good as the first week of May. Early May rainfall as predicted for the dry parts of Kansas and Nebraska, where wheat needed moisture, came in nicely during the week centering on May 5.

Next disturbance will reach Pacific coast about May 25, cross Pacific slope by close of 26, great central valleys 27 to 29, eastern sections 30. Warm wave will cross Pacific slope about May 25, great central valleys 27, eastern sections 29. Cool wave will cross Pacific slope about May 28, great central valleys 30, eastern sections June 1.

Preceding this disturbance the average temperatures will be unusually low but the disturbance described will start the temperatures upward and carry them to much higher levels, bringing much better crop weather. It will also bring rains in about one-fourth of the sections east of the Rockies. Indications are favorable to heavy rains near the Gulf coast west of Florida.

My calculations made from weather records covering from 60 to 100 years indicate we are coming to bad crop-weather for those sections that have recently been too wet. The program will nearly be reversed. The dry sections will get too much rain and the wet sections not sufficient rain for best results. Farmers should take measures accordingly.

### Plant Milo First Half of June

#### HOW THE CROP IS PUT IN.

This year will probably see the largest acreage planted to milo in the history of that crop. Three points of excellence about milo have been demonstrated in the last few years and these are responsible for its ever increasing popularity, especially in dry-farming sections. Its



OKLAHOMA DWARF MILO, 1911.  
Photo taken on the farm of E. E. Vinyard, a Mail and Breeze reader in Ellis county.

drouth resistance commends it first of all. Then it ripens and is out of the way before frost comes, which so often catches Kafir. Its third strong point is palatability, for stock seem to prefer the milo grain to that of any other sorghum.

#### Same Soil as For Corn.

Soil requirements for milo are about the same as for corn. Well worked sandy loams or clay loams are best. Milo will make a fair crop on fresh sod and in semi-arid regions it is thought to be the best crop for spring-broken sod. The seed is dropped into every third or fourth furrow while breaking, and the next furrow turned covers it. Sometimes it is planted in turned sod with a shoe drill. Usually a crop put out this way is not cultivated.

On tilled land deep plowing is best for a seedbed and fall plowing is preferable to spring plowing. Harrowing should be thorough to mellow the soil before

planting. Whether to list or surface plant depends largely on past experiences in the particular locality but when listed the plants are protected from wind and sand storms and the root system also lies deeper. However this fact also tends to ripen the crop later.

The first half of June is generally the best time to plant milo in this latitude. For the best yields of grain 4 to 6 pounds of good seed to the acre is about the right amount, but this also depends somewhat on soil and locality.

Like all sorghums, milo grows slowly at first and may become choked by weeds if not well taken care of. Free use of the harrow and weeder will prevent this but always run both in the same direction as the rows. Later on the same methods used for corn cultivation may be applied.

## Roll your Own!

NOTHING in the world gives so much pleasure for so little money as tobacco. And where in the wide world can you invest 5 cents and draw as big a dividend of pleasure as from a sack of good old

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Forty "rollings" in each 5-cent muslin sack

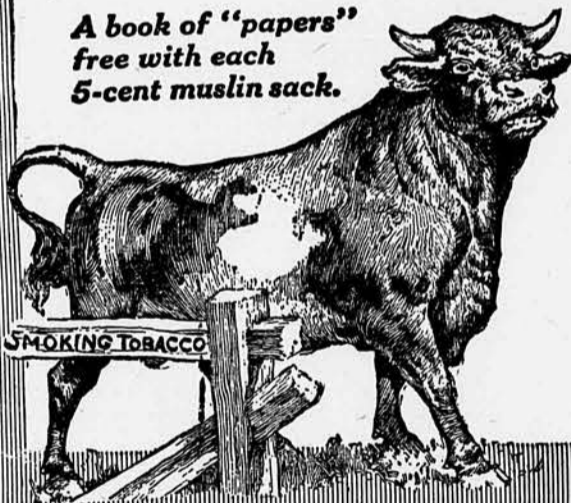
—whether rolled in cigarettes or tucked away comfortably in your pipe?

Just look at it in plain figures.

10 ordinary ready-made cigarettes	5 cents
10 better ready-made cigarettes	10 cents
10 more expensive ready-made cigarettes	25 cents

40 of the very best possible cigarettes rolled from one 5-cent sack of "Bull" Durham . . . 5 cents

A book of "papers" free with each 5-cent muslin sack.



—Roll your own and enjoy the solid pleasure of a pure, mellow, fragrant, satisfying tobacco that for over fifty-two years has delighted more millions of men than all other high-grade tobaccos combined.

That plain muslin sack holds "Bull" Durham—"Bull" Durham will hold your loyalty for a lifetime.

*Blackwell's Durham Tobacco Co.*

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It takes four big factories, equipped with special modern Silo machinery, to make the Saginaw—the most scientific Silo—and to turn out enough Silos to meet the demand. It takes this big equipment to make a Silo right. Scientific manufacture enables the makers of Saginaw Silos to offer you the only Silo with

### BASE ANCHOR AND INNER ANCHORING HOOP

—greatest improvements yet made on a Silo. The Saginaw Base Anchor firmly roots Silo like giant oak. With Saginaw Inner Anchoring Hoop at top and Base Anchor at bottom, you need never fear that staves will ever loosen or fall in, or that Silo will ever collapse or blow down. Free Book of Pictures, for you, shows Saginaw factories inside and out. Ask for Circular M

### FARMERS HANDY WAGON COMPANY

(41) Saginaw, Mich. Minneapolis, Minn. Des Moines, Iowa Cairo, Ill.

### ASK FOR HAY PRESS

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Trial trip until January 1, 1913, for 25 cents, Mail and Breeze, Topeka, Kan.



### GOLD WEDDING RING FREE

Send for 12 packages of our beautiful high grade gold embossed post cards to distribute at 10c pkgs. Return us the \$1.20 when collected and we will send you by return mail this very fine 14K gold filled heavy band ring not the cheap kind. Address, R. F. WILSON 362 Household Bldg., Topeka, Kan.

## MARKET PROBABILITIES

**Further Advances For Cattle But High Beef Prices Are Curtailing Demand and the Market Is Uncertain—Packers Trying to Hold Hogs to 8 Cents or Under—Grain Weak and Hay Going Down.**

[Written Specially for the Farmers Mail and Breeze.]

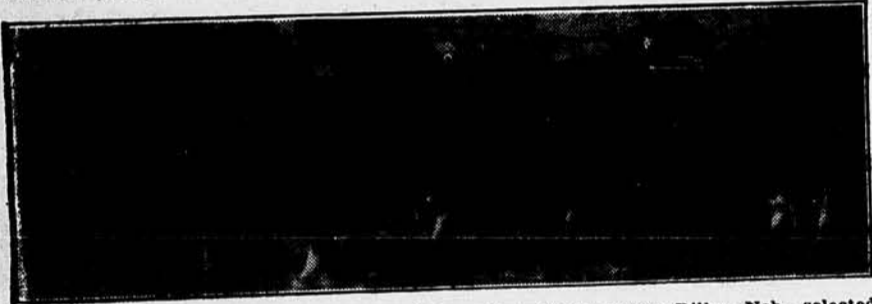
Prices for fat cattle were advanced 10 cents today, compared with last week's close. The same rise held at all the markets and was attributed to the small supply in Chicago. Other markets received about the same supply as a week ago. The top price for steers in Chicago was \$9.20, in Kansas City \$8.85, and though nothing prime was offered at other markets the nominal top quotation was advanced to \$9.

The existing high prices have caused a loud wail from the consumer, and general talk concerning boycotts against beef. Every faddist in the sustenance line has his knockers out and is proclaiming against the general advance in prices. All such wails are agitation pure and simple, but there was never a time in the history of the United States when high prices for beef were more nearly justified than at the present time. The system of distribution of meats is an expensive one, made so more by the consumers' convenience than by actual requirements, but it is a fact that the price of beef from the time it leaves the wholesaler until it reaches the consumer is more than doubled. In such periods as the present it looks as though some means for cheaper distributing agencies should be devised. Naturally high prices for beef tend to curtail demand, and this in turn reflects uncertainty in the cattle market. Killers are not willing to buy

seven weeks, so that in the past two weeks the market has undergone the complete change represented in the past seven weeks. It is rather uncommon for hogs to keep within such a narrow range, but packers seem to have set the limit at 8 cents. However, under that mark they are willing buyers. Reports from all markets indicate that the final shipments of fed hogs are being made for this season, and that the midsummer run will show a big reduction compared with last summer. Kansas City is more than 112,000 short of last year; St. Louis shows a slight decrease, though the other markets report more than a year ago. Prices at all the markets are holding closer together than ever before, and packers' droves in Chicago cost no more than at river points. Product hogs are very scarce, and the bulk of the offerings are being turned to fresh pork requirements.

### Sheep Prices Uncertain.

There was an improved demand for woolled lambs, and in some cases prices were up 25 cents. Clipped grades, especially Texas sheep, were slow sale. Following the period of high prices that prevailed a week to 10 days ago for sheep, the market has become unsettled, and owing to the rapidly changing quality of the offerings it will be some weeks before anything settled appears in the



The above is a picture of the sows from which W. E. Epley, Diller, Neb., selected his bred sow offering of February 9, 1911. The same picture was used by the Breeders Gazette as an illustration in the book written last year by H. C. Dawson on hog culture. These sows are typical of the offering Mr. Epley will make October 23.

ahead, and at the same time a lowering wedge once put to the market is liable to be driven too far. Last week Chicago received more than half the cattle guarded at river markets, and lower prices there caused declines at river markets where the supply was barely equal to requirements. Western killers instead of shipping beef east are sending their surplus west, and it is quite evident that the eastern beef market in the next 12 months will cut less of a figure at western markets than at any previous time. It will be a question of short supplies all year, and just how demand will adjust itself is not apparent.

### Butcher Cattle Advanced, Too.

Butcher cattle were advanced about the same as steers. Helpers sold up to \$7.90, and steers and helpers mixed reached \$8.40. Old cows and helpers on grass now are practically in the same condition that a sponge is after absorbing all the water it will hold. Squeeze the grass out in the killing process, and the meat is no better than before the weight was augmented by grass. When cattle have been on grass long enough to take on real fat and not merely a fill, demand will be better. Prices for bulls have shown little change, and good fat kinds are in strong request. Demand for veal calves has varied with prices fluctuating 25 to 50 cents.

### Thin Cattle Shortage.

There is considerable concern shown by cattlemen as to the source of future supply of stockers and feeders. Grass from now on will be plentiful, and to get cattle to utilize it will be a difficult problem. Prices are high and buyers feel they are paying the limit. Price per pound may sag some, but the added weight of grass fill increases the total cost. Feeders in the corn belt next fall will need cattle more than ever before.

### Slight Drop For Hogs.

Fairly liberal receipts turned prices for hogs down 5 to 10 cents at all points. The top price today in Chicago was \$7.80, in Kansas City \$7.82, in Omaha \$7.60, in St. Louis \$8, in St. Joseph \$7.80. Two weeks ago prices were the lowest of the past

trade. The final shipments of fed sheep are being made, and they are bringing high prices, though about 50 cents under the recent high point. Grass fat range sheep are beginning to move, and when they are more plentiful a readjustment in prices will be made on the basis of that supply. The general feeding season this year was not successful. Some feeders in the past few weeks received big returns on their investments, but the bulk of the feed lot supply, laid in last fall, no more than paid expenses and in many cases not that. Southern spring lambs are not moving yet, and according to reports that supply will be small. The Northwest will have few surplus sheep this fall for the feeder.

### 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	23,725	37,200	48,450
Chicago	55,200	109,500	66,000
Omaha	12,400	62,500	12,200
St. Louis	9,800	35,000	15,000
St. Joseph	8,300	28,800	7,500
Total	109,425	273,000	149,150
Preceding week	115,825	294,400	167,250
Year ago	110,655	313,700	167,800

The following table shows receipts of cattle, hogs and sheep at the five Western markets Monday, May 13:

	Cattle	Hogs	Sheep
Kansas City	7,200	7,500	13,500
Chicago	11,000	45,000	18,000
Omaha	2,000	6,800	2,300
St. Louis	2,000	8,000	3,500
St. Joseph	1,100	6,800	2,600
Total	23,300	74,200	39,900
Preceding week	40,960	66,200	51,000
Year ago	46,060	75,100	41,300

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. 1912 1911			
Chicago	\$8.20 \$6.40	\$7.80 \$6.40	\$8.25 \$5.60
Kan. City	8.85 6.15	7.82 6.17	7.25 5.35

### Quiet Trade in Horses.

Demand for horses and mules is slowly settling to a summer basis. Inquiry is rather small, but the supply has de-

creased accordingly and there was practically no change in prices. Dealers look for a quiet trade for the next few months, except a few weeks prior to the harvest season. Heavy draft horses and mules are still selling high, as they are scarce. Southern grades sell slowly.

### Grain Unchanged—Hay Lower.

There have been no net changes in prices for grain, though the general market was weak. There is little prospect for any reduction in prices of corn. Prices of hay were lowered 50 cents to \$4 a ton. Low grades showed most of the decline. The abundance of grass has reduced the demand. The trade in seed is dull, though prices show no important change.

The following prices prevail for grain in Kansas City and St. Louis:

	Kansas City	St. Louis
Wheat—		
Hard No. 2...	\$1.15	\$1.16
Soft No. 2...	1.19	1.20
Corn—		
White No. 2...	.81	.81 1/2
Mixed corn...	.80 1/2	.81 1/2
Oats—		
No. 2 white...	.57	.58
No. 2 mixed...	.56 1/2	.57

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

	Wheat	Corn	Oats
Chicago 1912 1911			
...	\$1.22 \$1.06	.81 1/2 .54 1/2	.58 1/2 .35 1/2
Kan. City 1912 1911			
...	1.18 .97 1/2	.81 .54 1/2	.58 .34 1/2

### Carlot Grain Receipts.

The following table shows the receipts of grain for the week at the three principal grain markets, together with the receipts for the corresponding week one year ago and those of last week:

	Wheat	Corn	Oats
In Kansas City—			
This week	196	397	63
Last week	214	458	55
One year ago	211	227	42
In Chicago—			
This week	255	1455	789
Last week	162	1118	693
One year ago	747	1365	904
In St. Louis—			
This week	167	520	232
Last week	123	517	200
One year ago	141	464	201

### Hay Prices in Kansas City.

The following is the range of quotations on the Kansas City hay market:

Prairie choice	\$21.50 @ \$22.00
Prairie No. 1	19.50 @ 21.00
Prairie No. 2	16.00 @ 19.00
Prairie No. 3	9.00 @ 15.50
Timothy choice	25.00 @ 26.00
Timothy No. 1	23.50 @ 24.50
Timothy No. 2	20.00 @ 23.00
Timothy No. 3	17.50 @ 19.50
Clover mixed choice	24.00 @ 25.00
Clover mixed No. 1	22.50 @ 23.50
Clover mixed No. 2	20.00 @ 22.00
Clover choice	21.50
Clover No. 1	19.00 @ 21.00
Clover No. 2	14.00 @ 18.50
Alfalfa fancy	25.00
Alfalfa choice	24.00 @ 24.50
Alfalfa No. 1	21.50 @ 23.50
Alfalfa No. 2	18.00 @ 21.00
Alfalfa No. 3	14.00 @ 17.50
Straw	6.00
Packing hay	6.50 @ 8.00

### Seeds and Broom Corn.

Sorghum, amber, \$1.50 @ 2.00 per cwt.; sumac, \$1.40 @ 1.85; broom corn, dwarf, \$1.40 @ 1.50; standard, \$1.30 @ 1.45; cowpeas, New Era, \$1.90 @ 2.10; Whippoorwill, \$2.10 @ 2.25; millet seed, \$1.60 @ 1.80; clover seed, \$1.20 @ 2.00; timothy, \$1.00 @ 1.15; alfalfa, \$1.00 @ 1.14; flaxseed, \$2.00 @ 2.10; seed corn, bulk, 95c @ 1.40 a bushel; Kafir corn, No. 3, white, \$1.42 @ 1.44 per cwt.

### Livestock in Kansas City.

After Tuesday demand for the medium grades of cattle weakened and prices fell back 10 to 20 cents. The better grades held about steady. The top price on the native side was \$8.75, the highest this season. Most of the good to choice steers sold at \$7.50 to \$8.50, and a few loads at \$8.60 to \$8.70. Some grass fat steers on the quarantine side sold at \$5 to \$5.75. Medium cows were quoted down 20 to 35 cents and the better grades steady. Choice cows sold up to \$7.25, and the bulk of the cows brought \$4.50 to \$6.50. Some

(Continued on Page 31.)

## SAVE-THE-HORSE

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Put Horse to Work and Cure Him

We originated the Plan of—Treating Horses by Mail—Under Special Contract to Return Money if Remedy Fails. OUR CHARGES ARE MODERATE. But first write describing your case, and we will send you—BOOK—Sample Contract, and Advice. ALL FREE to Horse Owners and Men. Write—as there is nothing so costly as delay. 2307 CINCINNATI CO., 15 Commercial Ave., Binghamton, N.Y. Druggists Everywhere sell Save-The-Horse with contract, or sent by us Express Prepaid.

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The business of the Atchison Paving Brick Company is for sale, or will trade. It is incorporated for \$30,000, fully paid up. Best of business reasons for selling. It will bear closest investigation. This property was sold two years ago for \$30,000 cash. The real investment would amount to more than that. It was successfully handled for many years and was sold on account of health of owner. Address replies to Lock Box 455, Atchison, Kan.

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THIS watch is not a cheap toy, but a beautiful, high-grade, regular 16 size, man's watch—a new, light, thin, open face model, with handsome gun metal case; guaranteed American movement; stem wind and stem set; gold plated winding stem; minute and second hands; just like all high-priced watches. Each watch thoroughly tested at factory and warranted a perfect timekeeper. Your own initials engraved on the back in beautiful gold lettering. We also give you a beautiful Swastika fob and elegant Gold Signet Ring, warranted for five years, if we hear from you quickly. Just Send Your Name—No Money. DON'T send us one cent—just your name and address. We then send you, all charges paid, eight of our high-grade 12x16 Enamelled Art Pictures to distribute among your friends. In connection with our special offer. Then send us money collected, and we will send you this elegant Watch, Fob and Ring, absolutely free. Only one watch given in a neighborhood, so don't delay. We send money back to you if you are not more than delighted. Address at once, BOYS' WATCH CLUB, Dept. M.E., TOPEKA, KAN.

## WHAT BREEDERS ARE DOING

**FRANK HOWARD,**  
Manager Livestock Department.

### FIELDMEN.

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

### PUREBRED STOCK SALES.

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

### Percheron Horses.

May 29—J. C. Robison and Dr. T. J. Axtell, at Towanda, Kan.

### Shorthorn Cattle.

June 6—C. S. Nevius, Chiles, Kan.  
June 7—Jos. Miller & Son, Granger, Mo.

### Poland China Hogs.

Aug. 7—John B. Lawson, Clarinda, Ia.  
Aug. 7—(Evening sale) L. R. McLarnon, Braddyville, Ia.  
Aug. 8—J. W. Pfander & Sons, Clarinda, Ia.  
Aug. 9—J. O. James, Braddyville, Ia.  
Aug. 28—A. B. Campbell, Geary, Okla.  
Oct. 9—Herman Groninger & Sons, Bendena, Kan.  
Oct. 15—H. C. Graner, Lancaster, Kan.  
Oct. 16—H. B. Walter, Effingham, Kan.  
Oct. 17—M. T. Williams, Valley Falls, Kan.  
Oct. 18—W. E. Long, Moriden, Kan.  
Oct. 19—C. L. Branic, Hiawatha, Kan.  
Oct. 22—Jno. W. Noll, Winchester, Kan.  
Oct. 23—W. E. Epley, Diller, Neb.  
Oct. 26—R. B. Davis, Hiawatha, Kan.  
Nov. 1—Walter Hildwein, Fairview, Kan.  
Nov. 2—J. H. Hamilton & Son, Guide Rock, Neb.  
Nov. 13—Herman Groninger & Sons, Bendena, Kan.

### Duroc-Jersey Hogs.

Aug. 31—J. R. Blackshire, Elmdale, Kan.  
Sept. 4—W. R. Huston, Americus, Kan.  
Oct. 19—H. B. Miner, Guide Rock, Neb.  
Oct. 26—E. M. Myers, Burr Oak, Kan.

### O. I. C. Swine.

Oct. 24—R. W. Gage, Garnett, Kan.

### Kansas and Oklahoma.

By A. B. HUNTER.

Alfalfa is the gold mine in Caddo county, Okla. First cutting is now on and will make one ton per acre. Last year some yields of hay and seed made \$125 per acre. Equally as good alfalfa land, not much improved, can be bought for \$65 per acre. Baldwin & Gibbs Co. of Anadarko, Okla., will send to anyone interested their descriptive literature and will tell you how to get a pocket map of Oklahoma free.

### A Great Herd of Shorthorns.

H. C. Lookabaugh, Watonga, Okla., is a regular advertiser in Farmers Mail and Breeze. The writer recently visited Mr. Lookabaugh and was pleased to find him building such a great herd of Shorthorns. There is little doubt that this is the best herd of Shorthorn cattle in Oklahoma. This spring's crop of calves, Violet Search, by Searchlight, is exceeding all expectations. Mr. Lookabaugh will be out with a show herd again this fall. If you are on the market for high class Shorthorn breeding stock call or write for particulars. Watch these columns from time to time for further mention of these Shorthorns.

### Closing Out Percheron Sale.

On Wednesday, May 29, at the Whitewater Falls Stock Farm of Towanda, Kan., Dr. J. T. Axtell will sell in a dispersal or closing out sale all his registered Percheron mares, fillies and a few young stallions. Dr. Axtell is quitting the horse business not because it is not profitable, but because he is going to devote all of his time to his new fire-proof hospital, which has just been completed. This consignment consisted of 20 head, mostly brood mares with colts by their sides, and it represents years of selection.

### Farmers Mail and Breeze Pays Advertisers.

Farmers Mail and Breeze, Topeka, Kan. Mail and Breeze is doing the business for me, and selling the goods. Sent out five head last week and one so far this week.  
L. T. SPELLMAN,  
Breeder of Duroc-Jersey Hogs,  
Paola, Kan., April 18, 1912.

Farmers Mail and Breeze, Topeka, Kan. We have been using your advertising columns for several months in land advertising and take pleasure in stating that the results have been more than satisfactory. During the unusual winter we have just had, we have had a great many responses, and the first week we were able to show land we closed a sale because of the ads carried in your paper. We have a great many sales pending at the present time which we attribute to this advertising.  
COBURN & MCCLINTOCK,  
Pueblo, Colo., April 1, 1912.

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

tion and breeding. Dr. Axtell's herd is headed by a fine stallion, Paragon, weighing 2,300 pounds, who has proved an excellent breeder. Paragon, as well as most of the older mares in this sale, originally came from the noted Whitewater Falls Stock Farm.

### Kansas and Nebraska.

By J. W. JOHNSON.

### Scotch Shorthorn Bulls.

K. F. Dietsch, Orleans, Neb., breeder of Shorthorns and Poland Chinas, was visited last week. Mr. Dietsch is an up to date farmer and stockman. His herd of Shorthorns is as well bred as will be found in that section of Nebraska. They will run about one-half straight Scotch and the other half Scotch-tops. He has 10 bulls from 10 to 18 months old for sale that are dandies. Five of them are pure Scotch and you can't beat this opportunity if you are looking for a bull. Write him today and mention Farmers Mail and Breeze.

### Strong Duroc-Jersey Herd.

E. M. Myers, Burr Oak, Kan., well known as one of the up to date Jewell county breeders of Duroc-Jerseys, has an average crop of spring pigs and a nice lot of fall gilts. E. M. Myers is one of the pioneers in the business in Jewell county. He has made a number of public sales and sold at private treaty. He attends a number of the best public sales in the country every year and buys only good ones to improve his herd. Mr. Myers has claimed October 26 as the date of his boar and gilt sale. We will have a more extended notice of Mr. Myers' herd soon.

### Two-Year-Olds AM Sold.

C. W. Taylor, Enterprise, Kan., has sold all his 2-year-old bulls. He has several coming 2 years old this fall and a good bunch of young fellows just turning the 12 months mark. Among these is a February calf, a Scotch roan that is the making of a show bull and a great sire. The Pearl is one of the very best collections of Shorthorns in Kansas. They are handled in a practical way. The brood cows are 100 per cent breeders. The young things are developed along lines that insure future usefulness. A little later Mr. Taylor will have a fine lot of bred heifers to offer. If interested in Shorthorns, especially bulls, write Mr. Taylor and mention Farmers Mail and Breeze.

### Ramaker's Duroc-Jerseys.

Henry Ramaker, Prairie View, Kan., is an intelligent and thorough hog man. He always raises lots of hogs and is a champion of the Duroc-Jersey first, last and all the time. Farmers and breeders of that section of the state look to Henry every year for their new breeding and he is popular and well known because of the high class of registered Duroc-Jerseys he keeps. He did not try to raise many March and April pigs but has 18 sows to farrow in this month and next. He has immunized everything with state serum. A Mr. Harper from the Agricultural college came to his farm and did the work and Mr. Ramaker is very much pleased with his work.

### A Good Duroc Boar.

Prince Wonder 2d is not only one of the very best individuals I have ever seen but he is one of the best breeders as well, is the way a very prominent breeder expressed himself to the writer recently while discussing this great Duroc-Jersey breeding boar. Prince Wonder 2d is the property of A. T. Cross, Guide Rock, Neb., one of the best known breeders of southern Nebraska. A number of Kansas Duroc-Jersey breeders who made sales last winter featured Prince Wonder 2d breeding in their sales. This fall and winter will see his get sought after more than ever because of the popularity of his get in the different herds over Kansas and Nebraska. Mr. Cross has 70 early spring pigs that are coming along nicely. They are by Prince Wonder 2d, Col. C. C. Tatarax and one or two other boars. Mr. Cross made one of the best bred sow sales of the season last February when he made an average of \$44. We will have more to say about the breeding in this good herd soon.

### Will's Big Type Poles.

John E. Willis, Prairie View, Kan., is a big type Poland China breeder that we visited last week. Long Mogul, by Blue Valley Blue and out of a Jansen's Mogul dam, is a 3-year-old herd boar in this herd that as a sire and an individual is deserving of favorable mention. Chief Logan, a Peter Mouw bred boar and out of a Bright Look dam, is the veteran of the herd and is the sire of most of the herd sows, a collection of big motherly looking matrons that would be a credit to any herd. Another boar that will be used in the herd is a young fellow, by Mogul Again, bred by Carl Jansen & Son, Belleville, Kan. He is promising of plenty of size and is good individually. He is 1 year old this month. Mr. Willis is an exceptionally successful breeder of big type Poland Chinas. He has made several public sales in central Kansas and his breeding is becoming popular with other breeders of big type Poles. He has about 50 last fall type gilts that he has brought through the winter in fine shape. They are not under size and are as thrifty and as fine a lot of young sows as I have seen this season. They will likely be heard from this fall or winter in public sales. We were glad to get acquainted with Mr. Willis and likely will have more to say about his herd later on.

### A Reliable Firm.

J. H. Hamilton & Son, Guide Rock, Neb., are the pioneer medium type Poland China breeders of southern Nebraska. For 15 consecutive years they have shown at the Nebraska State Fair and some of the time at other fairs over the country but they have never missed a year during that time at the state fair of Nebraska. If there is a herd

in Nebraska that is entitled to be called the blue ribbon herd it is the Hamiltons' herd at Guide Rock. They have held 15 public sales and Col. John Brennen of Esbon, Kan., has conducted all of them but one. A large portion of their offerings of late years comes to Kansas breeders who have recognized the fact that the Hamilton type of Poland China possesses the size and quality that is always desirable. Long Boy 3d, by Long Boy 2d, is one of the herd boars in use. He is an extra heavy boned fellow with good feet, legs and back. He is a coming 3-year-old and a boar that will be heard from. Hadley's Model, by Hadley 5051, is 2 years old in September and a splendid individual. Both boars have been used in the herd. Because of so much Hadley breeding in the vicinity of Guide Rock and in their own herd the Hamiltons have decided to sell Hadley's Model. He is a bargain at the price they offer to sell him. The Hamiltons have claimed November 2 as the date of their boar and gilt sale. They also have a last December boar for sale which is a grandson of Blue Valley Quality. When you buy from the Hamilton herd you are buying from one of the oldest and best known herds in the West. From men who are recognized in the business for their ability as breeders and their business-like methods of doing business.

### Some September Herd Boars.

H. B. Miner, Guide Rock, Neb., is one of the prominent breeders of Duroc-Jerseys of southern Nebraska. I visited his herd one day last week and found an average crop of spring pigs and the best lot of last fall gilts I have seen this season. There are about 60

### LIVESTOCK AUCTIONEERS.

**SAM W. KIDD,** Live Stock Auctioneer, Kansas City, Mo.  
"A rising star," Col. F. M. Woods, 1909.

**JOHN D. SNYDER,** Auctioneer, Mankato, Kan.  
Pedigreed Live Stock a Specialty.

**Col. H. S. HOYT,** Mankato, Kansas,  
Livestock Auctioneer. Big Hogs and other Stock Sales a specialty. Terms reasonable. Special service to breeders.

**Chas. E. Reeble,** Emporia, Kan.  
Pure Bred Live Stock and Real Estate Auctioneer.  
Speaks German. Write or wire for dates.

**T. E. GORDON,** WATERVILLE, KANS.  
Livestock and Real Estate Auctioneer.  
WRITE FOR DATES.

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

**LAFE BURGER**  
LIVE STOCK AND REAL ESTATE  
AUCTIONEER  
Wellington, - - - - Kansas

**COL. RAY PAGE**  
FRIEND, NEB.  
Livestock Auctioneer. Write for Dates.

**FRANK J. ZAUN**  
FINE STOCK AUCTIONEER  
Independence, Mo.  
Bell Phone 675 Ind.  
"GET ZAUN. HE KNOWS HOW."

**Oklahoma Auction School**  
Col. O. R. Lilley, President.

Best in World. CATALOGUE FREE.

Next Term Opens August 5, 1912. Address, GUTHRIE, OKLA.

**Col. Oscar H. Boatman**  
Irving, Kansas  
Livestock Auctioneer  
Graduate American Auction School  
Write for Dates

### BERKSHIRES.

**FOR SALE—50 BERKSHIRES OF QUALITY**  
40 March and April pigs by Second Masterpiece, 30 at \$15 each or \$25 per pair. Balance show prospects, \$150 per five; something fancy. A few gilts and two October boars at \$25 each. Two October boars, by Second Masterpiece, and one by B. D. C. Centerville, fancy herd headers, at \$50 each. Yearling boars at from \$25 to \$50 each, also a few gilts bred to farrow in May and June at reasonable prices.  
J. T. BAYER & SONS, Yates Center, Kansas.

**WAITE'S BERKSHIRES.**  
Choice young Boars and Gilts, also tried sows. Most famous Reinforced Blood. We guarantee satisfaction. Call or write.  
LEON A. WAITE, WINFIELD, KAN.

**WILDWOOD FARM BERKSHIRES**

Headed by  
SIR MASTERPIECE 2D AND WILDWOOD REVELATION 125617.

Pigs, March and April farrow, priced very reasonably. Get in your order early for choice pairs and trios. Choice gilts will be bred to Sir Masterpiece. Only the best shipped on order and all representations guaranteed.  
Address  
O. L. STEANSON, TROY, KANSAS.

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

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

### BERKSHIRES.

**Sutton Farm Berkshires**

**BRED SOWS**

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

**Sutton Farms,**  
Lawrence, Kansas.

Berryton Duke Jr.

### DUROC-JERSEYS.

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

**BEAVER VALLEY HERD DUROCS.**  
Boars and gilts sired by Grand Master Col. II 94903 (Grand Champion and sire of winners at Oklahoma State Fair, 1911), Defender's Col. 112297, Autocrat 94765 and Muncie Col. 113779. Satisfaction guaranteed.  
W. A. WILLIAMS, MARIOW, OKLAHOMA.

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

**Walnut Grove Breeding Farm** Pigs sired by B. & C's Col. 80367 and Buddy's Bud 11782. Write for particulars.  
R. C. WATSON, ALTOONA, KANSAS.

**Black Locust Herd Durocs.** Fashionable blood and gilts, either sex; young boars ready for service. Spring pigs at weaning time in pairs or trios unrelated. D. D. Walker, Dill, Okla.

**SUNNY SLOPE FARM**  
Owned by EDMONSON BROS., Clinton, Okla.  
Breeders of Duroc-Jersey hogs and Buff Orpington chickens.

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

**DUROC-JERSEY BOARS**  
Sired by Golden Goods 70513 and Belle's Chief 2nd 71777, priced right. 150 head in herd. Grandview Stock Farm, Americus, Kan.

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

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

**SUNSET DUROCS**

"Valley Chief Again" fall pigs, while they last, at \$12.50. Express paid.  
E. B. TILSON, CONCORDIA, KANSAS.

**Fisher's Durocs** Herd boars, Graduate Col. 23279a, Crimson Prince 90327, Baby's Chief 104417, King's Col. F. 83035. These boars are among the best in the state, and sows in herd bred equally as good. Describe what you want, stating price you wish to pay. H. E. FISHER, Danville, Harper Co., Kansas.

**HEBRON FARM DUROCS**

A few fall boars and some fall gilts bred to farrow in June. Priced right. Quality and breeding our motto.  
H. H. SHAW, - - - - HEBRON, NEBRASKA.

**DUROCS**

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

**Perfection Stock Farm** Choice Duroc March Boars, \$20 each, sired by Oklahoma King, Gold Wonder, Crimson Model and Muncie Col. Also a few good fall boars. They are priced to sell and to please or money returned.

GEO. M. CLASEN, UNION CITY, OKLA.

**DUROCS FROM PAWNEE VALLEY**

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

**Saline Valley Stock Farm**

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

**Ticer's Durocs** Am offering a few good young Valley B. and B.

& C's Col. boars, worth the money; also a few bred sows. Will book orders for spring pigs.  
C. L. TICER, HARBAM, OKLAHOMA.

**Bancroft's Durocs.**

We hold no public sales. Nothing but the best offered as breeding stock. Choice Sept. boars, tried sows and September gilts, open or bred to order, for fall farrow. 30 Feb. and March pigs, either sex. Pairs and trios not akin. Prices right. Customers in six states satisfied. Describe what you want. We have it.  
D. O. BANCROFT, DOWNS, KANSAS.

## DUROC-JERSEYS.

## CLOVER DALE DUROCS

Herd boar, Western Wonder Again No. 109067, by The Western Wonder, dam, Lady Silkworm. 400 gets him. September boars \$20, September gilts \$15 and \$20.00. Sows bred for July farrow. \$35 to \$50. L. T. SPELLMAN, R. R. No. 8, Paola, Kas.

## SCHWAB'S DUROC - JERSEYS!

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

## O. I. C. SWINE.

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

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

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

EDGEWOOD O. I. C's boars and bred and open gilts; spring pigs mated, no kin. HENRY MURR, Tonganoxie, Kansas.

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

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

## Neef's O. I. C's.

## THE BIG KIND

Am offering summer gilts, bred, Sept. and Nov. pigs of either sex, at farmer's prices. Am also booking orders for spring pigs for May and June delivery. Can furnish pairs and trios not akin. Send for catalog and prices. Also have a registered Scotch collie female at a bargain if taken soon.

HIVERSIDE FARM, Boonville, Missouri. John H. Neef.

## HAMPSHIRE.

Registered Hampshire Hogs Either sex, all ages and priced to sell. W. C. STENZEL, ELMDALE, KANSAS

## Try The White Belts

Cloverdale Farm offers a number of extra nice Hampshire boars for sale. T. W. Lavelock, Princeton, Kas.



Special sale on boars. 175 to 200 lbs. and weanling pigs, ready to go, if taken at once.

J. R. LAWSON, Ravenwood, Missouri.

## Reg. Hampshire Hogs

of various ages, not akin. Three registered and one grade Dutch-Belted Bulls. One spotted stallion. G. W. WELSHAM, Altamont, Kas.



WRITE J. F. PRICE, Medora, Kans. For prices on Pedigreed HAMPSHIRE HOGS. S. C. B. Leghorn eggs.

## POLAND CHINAS.

BRED GILTS FOR SALE. Nine gilts, some bred and some open, out of sows by Capt. Hutch, Prince Hadley, etc. Bred to Exalter's Wonder. Also a tip top tried herd boar for sale. These are good and will be priced right for quick sale. C. L. BRANIC, HIAWATHA, KANSAS.

## W.E.Epley's Polands

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

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

## Fall and Spring Boars

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

## DOOLEY'S BIG SPOTTED POLAND CHINAS

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

## MAPLE GROVE HERD Big Type Poland Chinas

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



Fall boars, of best Big Type blood lines and individuality. PHIL DAWSON, - Endicott, Nebr.

of these gilts and they are sired by old Model H. Model H. is the well known sire that was in Ward Bros.' herd at Republic, Kan., for so long. He was sired by old Higgins Model, one of the great sires of the breed. These 60 gilts are exceptionally well grown and the best of individuals. His spring pigs are coming along fine and are mostly by Crimson Wonder Orion, by Crim-son Wonder Again. This is the boar that Mr. Miner went East and bought and had the misfortune to lose last winter. He has four or five September boars that were reserved and that were sired by Model H., for sale. They are right and will be priced right. Mr. Miner has claimed October 19 for his boar and gilt sale and will sell in this sale a draft of boars and gilts that will be complimentary to the breeder and buyer. His boar and gilt sale October 14 last year was one of the very best of the season and was well attended. He has always been a good buyer in Kansas sales and is popular with the Kansas breeders. Write him today about one of those Model H. September boars. He will make the price right to move them quick.

## Kansas, Missouri and Iowa.

BY C. H. WALKER.

## Dooley's Big Spotted Polands.

Edgar Dooley of Etterville, Mo., breeder of the big boned, big spotted Poland Chinas, writes that his pigs are coming along fine and that his inquiries have been good. We print herewith a portion of his letter. "My pigs are doing fine and are about ready to wean. I have had a good many inquiries through my ads in the Ruralist and Mail and Breeze and have sold three of my fall pigs. I believe I will make sales of several spring pigs to men from whom I have already heard. I have received several inquiries wanting to know if I had any pigs no relation to Brandywine, Budweiser or Billy Sunday. I have improving 55543 by Improved Wonder, for one of my herd boars and have pigs from him that are no relation to the above named boars." Breeders and farmers will see from the letter that Mr. Dooley can supply their wants in pigs no relation to the boars named. Mr. Dooley breeds the right kind. If in the market we suggest that you write him your wants. Kindly mention this paper when writing.

## Kansas and Missouri

GEO. W. BERRY.

## J. J. Baker's Duroc Sale Postponed.

Because of the downpour of rain on the date set for the sale of Duroc-Jersey hogs announced by J. J. Baker of Independence, Kan., it became necessary to postpone the auction, and Tuesday, June 4, was selected as the date of the event. The same sows and boars will be offered that were cataloged for the sale that was scheduled for May 10. The bred sows and gilts are well along with pigs by such boars as the champion E. & C's Col., M. H's Col. and other good sires. Many of the sows and boars that will be sold represent such sires as Buddy K. IV, B. & C's Col., Chief Orion and Wonder's Advance. The catalog will be mailed to your address upon application to J. J. Baker, Independence, Kan.

## Samuel Drybread's Sale.

A small audience of farmers and local breeders greeted Col. Fred Reppert, the auctioneer, at the opening of the sale of Duroc-Jersey hogs held by Samuel Drybread at Star Breeding Farm, Elk City, Kan., May 9. Doubtless the late planting season detained many prospective buyers who usually attend the auction events at Star Breeding Farm. The blood lines represented in the offering are the most desirable known in Duroc-Jerseys. The head of the herd, B. & C's Col., has a record as a show boar and sire unequalled in the state and unsurpassed by any living boar of the breed. The sows with litters by this really great boar or bred to him sold at extremely low prices, and absent breeders missed an opportunity. The top was \$44, paid for a sow by Belle's Chief and bred to B. & C's Col. This price was duplicated by a daughter of Pilot Wonder-Chief, bred to B. & C's Col. The final result of the auction showed a general average of \$24 received for 31 head. Among the buyers present or who were represented were the following: R. L. Comer, Carlinville, Ill.; E. A. Stark, Elk City, Kan.; O. W. Matthews, Ft. Worth, Tex.; Y. Eckman, Vinland, Kan.; I. M. Argo, Elk City, Kan.; J. D. Linderman, El Reno, Okla.; B. E. Cole, Elk City, Kan.; Ira Mason, Havana, Kan.; M. R. Easton, Elk City, Kan.; J. E. Brooks, Havana, Kan.; E. W. Lewis, Elk City, Kan.; Frank Drybread, Elk City, Kan.; Geo. Cox, Elk City, Kan.; Marshall Brothers, Burden, Kan.

## Roy Johnston's Sale.

Not over 20 farmers and breeders were present at the sale of Poland Chinas held by Roy Johnston, at his farm near South Mound, Kan., on May 8. Nobody blamed the farmers for not leaving their fields in this extremely busy season. Notwithstanding the very small attendance, Mr. Johnston was game and assured those present that every hog would be sold on which a bid was received. It soon developed that those at the sale were there for business, and the bidding was spirited until the auction ended. The hogs were of the large, smooth, well finished type that has characterized the Roy Johnston Poland Chinas, and were presented in condition that bespoke good care and carrying live quality of flesh that always attracts customers. A summary of the sale shows 36 sows sold at an average of \$40, and seven boars at \$24, a total of \$1,606 or an average of \$37.35 received for 43 head. J. W. Sparks and F. J. Zaun were the auctioneers. Representative sales are quoted.

1—O. S. Snow, Kansas City, Mo.	\$81.00
3—E. D. Dorsey & Sons, Girard, Kan.	120.00
6—J. H. Downing, Coffeyville, Kan.	35.00
7—G. A. Hutton, St. Paul, Kan.	50.00
8—J. Lampor, Erie, Kan.	65.00
9—G. W. Wood, St. Paul, Kan.	42.50
17—J. A. Johnston, S. Mound, Kan.	58.00
21—F. B. Houghton, Parsons, Kan.	39.00
23—E. M. Rhodes, Nevada, Mo.	27.00
25—Frank Brummett, Carthage, Mo.	50.00
32—Matt Alton, Erie, Kan.	32.00
45—Levi Correll, Parsons, Kan.	25.00
46—L. R. Kershaw, Muskogee, Okla.	20.00
50—Bert Johnston, S. Mound, Kan.	49.00
Sub.—R. L. Pomeroy, Elk City, Kan.	24.00

## POLAND CHINAS.

## Poland Chinas

Select Young Boars. Gilts Bred or Open. Prices Right. Call or Address H. L. BROOKS, Larned, Kansas.

## HALF TON BOAR FOR SALE

## GIANT MONARCH

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

## Mt. Tabor Herd Polands

Pairs and trios not related. 100 spring pigs to select from. Also some choice fall gilts open or bred later for fall farrow. Bred spring gilts all gone. J. D. WILLFOUNG, Zeandale, Kansas.

## Manderscheid's Polands.

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

## Dean's Mastodon Polands

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

## Immunized by Double Treatment

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

## Mammoth Poland Chinas

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

## Poland Chinas

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

## SPRING PIGS

Order early and get first choice. Pigs shipped at three months old. Nothing but first class stuff shipped. Send for private sale catalog and prices. In buying at this age you save enormous express charges. "THE HOME OF CAPTAIN HUTCH." C. W. JONES, SOLOMON, KANSAS

## Poland Chinas That Grow Big

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

## Merritt's Sale Postponed!

Owing to high water, the sale of 135 Holsteins by W. C. Merritt, Great Bend, Kan., has been postponed until

**Tuesday, May 21.**

Everything will be offered as advertised. W. C. Merritt, Great Bend, Ks.

## BAKER'S DUROC SALE POSTPONED.

On account of the heavy rain which fell on the 10th of May, the date that was claimed for my sale, it became necessary to announce the postponement of the auction to

**Tuesday, June 4, at Independence, Kan.**

At Verdigris Valley Farm, adjoining the city, on the southeast, on the electric car line.

The offering consists of 40 Head of Sows, Gilts and Boars, largely the get of Buddy K. IV and B. & C's Col. The sows are bred and showing with pig to such boars as B. & C's Col., Bud's Model, Wonder Advance, Bud's Masterpiece and M. H's Col.

Catalog will be mailed upon application.

**J. J. BAKER, INDEPENDENCE, KANSAS.**

## MULE FOOTED HOGS.

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

## HEREFORDS.

## MATHEWS HEREFORDS

Big, strong yearling bulls, also extra good cows and heifers, strong in Anxiety 4th blood. Special prices on car lots. Write today. FRED MATHEWS & SONS, Kinsley, Kan.

## HEREFORD BULLS

Carload coming 2-year-old and 75 strong yearlings, the best bunch I ever had to sell. Prices right.

SAML. DRYBREAD, Elk City, Kan.

## GALLOWAYS.

## Capital View Herd of Registered Galloways

For Sale: a fine lot of young bulls in numbers to suit purchaser. For further particulars call on or write G. E. CLARK, 2301 Van Buren St., Topeka, Kan.

## Fort Larned Herd

40 REGISTERED BULLS. 20 GALLOWAYS and 20 RED POLLS. 10 to 20 months old. Priced to sell. E. E. FRIZELL, LARNED, KANSAS

## ABERDEEN-ANGUS.

## RIDGE PRAIRIE ABERDEEN ANGUS

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

## Sutton Farm Angus

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

**Brown Swiss Calves** For Sale. E. Bourquin, Bartlett, Kan.**POLLED DURHAMS.****Polled Durham Bulls**

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

C. M. HOWARD, HAMMOND, KANSAS.

**Woods Polled Durhams**

Roan Hero Bulls and Heifers for Sale. Three bulls from 12 to 22 months old, a Minna, a Brawith Bud and a Necklace, two roans and a white of top quality and ready for service. Also a few choice yearling and two-year-old heifers. These will be priced right for quick sale. Come and see or write C. J. WOODS, CHILES, KANSAS.

**DAIRY CATTLE.****Dutch Belted and Holstein**

male and female calves for sale from exceptionally good milkers. Springdale Stock Ranch, Concordia, Kan.

**HOLSTEINS** —CHOICE BULL CALVES.

H. B. COWLES, TOPEKA, KANSAS.

**LINSCOTT JERSEYS**

ONLY REGISTER OF MERIT HERD IN KANSAS, offers at moderate prices a few heifers, open and bred; a few tested cows; bulls of serviceable age out of tested cows.

R. J. LINSCOTT, HOLTON, KANSAS

**Choice Jersey Bulls**

I am offering a few young bulls, sons of Oxford's Masterpiece, a son of Oxford Lad; Oxford's Brigadier, a son of Gumbo Knight; Merry Maiden's Golden Lad, a son of Merry Maiden's 3d Son; and Burybia's Exile. I have but a few of these calves that are ready for service. Will sell them reasonably while they last. Write for prices and particulars.

W. N. BANKS, INDEPENDENCE, KANSAS.

**Holsteins For Sale**

40 cows and heifers, fresh inside 30 to 40 days. Several cows, heavy milkers, fresh now. Also bulls from 1 mo. to 15 mos. old.

IRA ROMIG, STA. B, TOPEKA, KANSAS.

**SHORTHORNS.**

**Milk and Beef Combination.** *Romulus Shorthorn Cattle.* Oxford Down Sheep, Bourbon Red Turkeys. J. H. WALKER, LATHROP, MO.

**SHORTHORN CATTLE**

POLAND CHINA SWINE and CLEVELAND BAY HORSES. All stock pedigreed. Prices reasonable. Thos. B. Murphy & Sons, Corbin, Ks.

**Valley View Shorthorn Cattle**

25 cows and heifers bred to Orange Major 264704, 10 bulls of different ages sired by Major of Valley View 266325. Prices right. Breeding and individuals right. Address ADAM H. ANDREW, GIRARD, KANSAS.

**True Goods 337574**

by Fair Goods, dam Rosie 10th by Standard Bearer, second dam Imp. Rosie 17th by Scottish Victor, heads my herd of carefully selected Scotch cows. Young stock for sale.

T. J. BLAKE, HIAWATHA, KANSAS.

**SCOTCH AND SCOTCH TOPS.**

FOUR BULLS 10 TO 18 MONTHS OLD.

ALSO SOME GOOD COWS AND HEIFERS.

S. B. AMCOATS, CLAY CENTER, KAN.

**SHORTHORNS**

5 bulls from 12 to 18 months. Roans and reds. Scotch Tops. Address, L. M. NOFFSINGER, OSBORNE, KAN.

**Lookabaugh's Shorthorns**

Violet Search by Searchlight at head of herd. Breeding stock, both sex. Prize winners and descendants of prize winners.

Write your wants.

H. C. Lookabaugh, WATONGA, OKLAHOMA

**Inglefield Shorthorns**

My health having failed, we offer at private sale 8 bulls, from 10 to 24 mos. old, at moderate prices. All cows and heifers in condition will be closed out at a fair value.

H. G. SLAVENS, Neosho Falls, Kansas.

**Pearl Herd of Shorthorns**

I have a select bunch of young bulls from six to 20 months old, well bred, well grown and the making of good useful animals. They are both reds and roans. Can ship via C. R. I. & P. A. T. & S. F., U. P., and Mo. Pac. Address:

C. W. TAYLOR

R. R. No. 2, Enterprise, Kan.

**Iowa****GRANT GAINES.**

A. Latimer Wilson, importer of horses, Creston, Ia., will sail for Europe for his annual importation of horses, on the Mauretania, which sails from New York City on May 22, 1912.

**Fifth Blue Ribbon Sale.**

W. L. De Glow, the big horse and jack breeder and importer, of Cedar Rapids, Ia., announces his fifth Blue Ribbon sale of imported Percheron and Belgian mares, on Tuesday, May 28. Mr. De Glow has been buying these mares in Europe for the past six months and they are the best that experience and money can buy. Many of these mares have colts at foot, the mare and colt selling as one lot. There will also be yearling and 2-year-old stallions and a few imported 3-year-olds. Look up the announcement in this issue and write for catalog. Please mention Farmers Mail and Breeze.

**Editorial News Notes.**

The "Ottawa Line" of farm machinery is first class. It means bigger crops, especially bigger corn crops. See the interesting illustrated ad on page 6. Write for catalog. Address King & Hamilton Co., Dept. C., Ottawa, Ill.

Wm. Galloway has a page ad on page 17 which talks about his three leaders, manure spreaders, cream separators and gasoline engines. Read the "proofs" in the ad. Mail the coupon to the address given asking for the free book you want.

Jones, Post & Company, 1430 West 9th St., Kansas City, Mo., have an ad on page 2 which is general in character. It illustrates, describes and prices a list of articles of products of various kinds. Write for catalog 26 to above address.

The Kansas Metal Granary Co., Wichita, Kan., is making metal products of great value to the farmer. See the timely ad of a metal stack cover on page 10. It will save the alfalfa or any other kind of hay. Write for price list saying you saw the ad in Farmers Mail and Breeze.

The Champion silo is made by the Western Silo Co., 155 11th St., Des Moines, Ia., of which Mr. Keller J. Bell, one of the best silo men in the country is manager. Mr. Bell makes a "special proposition" this week on page 10. Write to above address for free catalog.

The "Jayhawk" Stacker is sold direct to the farmer. It's a good Kansas stacker made for Kansas and other western farmers, and it is mighty popular with progressive farmers. Every stacker is fully warranted. If you are going to buy a stacker learn all about the Jayhawk. See ad on page 32. For catalog address F. Wyatt Mfg. Company, 600 N. 5th St., Salina.

You don't have to have a very large farm in order to make the traction engine profitable. A tractor like the Hart-Parr "Corn Belt" Tractor can be used to advantage, and for a great variety of purposes on the average farm. Read the Hart-Parr ad, which tells about this "modern farm horse" on page 32. Write for free catalog to Hart-Parr Co., 234 Lawler St., Charles City, Ia.

For the past few months an extensive advertising campaign has been carried on showing the germicide action of Absorbine, Jr., "The Antiseptic Liniment" for mankind. The readers of this publication are no doubt familiar with this household liniment, and they should send for laboratory reports showing the result of research work that has been accomplished, also pamphlet "Evidence" free upon request. It is an antiseptic and in addition is a germicide of proven value. It contains no poison or acid, is not destructive of tissue and will promote a healthy healing process. Absorbine, Jr., sold by most druggists \$1.00 and \$2.00 a bottle, or will be sent direct upon receipt of price. Write at once describing your particular case, for further instructions how to treat. W. F. Young, P. D. F., 209 Temple St., Springfield, Mass. See ad on page 12.

**ALL FOR \$1.10**

The Biggest Half-Price Club Offer of the Season.

Here is the banner clubbing offer. It gives your family the choicest collection of newspapers and magazines at a price which is a very great bargain. You get all these four papers one year for only \$1.10.

KANSAS WEEKLY CAPITAL is the largest and best weekly newspaper published in the state. Its pages are full newspaper size, and are filled with the latest Kansas and state capital news items, market reports, etc.

THE VALLEY FARMER, an independent, reliable farm journal, unique and original in its methods, and immensely popular with thousands of farmers in every state in the West; well edited departments for Livestock, Poultry, Veterinary, Horticulture, Dairy, Field Crops, etc.

HOUSEHOLD MAGAZINE, a large family magazine containing the choicest stories and departments of particular interest to lady readers. An entertaining, instructive publication for all the family, 24 to 48 pages each month.

FARMERS MAIL AND BREEZE, the greatest farm weekly in the West.

If your subscription to the Mail and Breeze has not expired we will credit you ahead for one year. Send your order at once. Address Farmers Mail and Breeze, Topeka, Kan.

**State's Best, Barring None.**

Mr. Editor—You are putting out the best paper in the state for the farmer.

A. Z. Scribner  
Eldorado, Kan., April 2, 1912.

# Robison & Axtell Percheron Sale

at the Whitewater Falls Stock Farm  
Towanda, Kan., May 29th

**SALE WILL CONSIST OF 40 HEAD**

Twenty from the stud of J. C. Robison, Towanda, Kan., and twenty from the stud of Dr. J. T. Axtell, Newton, Kan., who is dispersing his stud at this time, as his other business demands all his time and attention.

This will be the greatest opportunity ever offered in the West to secure Brood Mares and Fillies. Mares are all bred. Many will have colts by their sides and be bred again. There will also be ten yearling and 2-year-old Stallions included in the sale.

Many matched pairs, well broken to harness. They have been raising colts and corn.

**Sale at the Robison Farm, near Towanda, Kansas**

Write to J. C. Robison, Towanda, Kan., for catalog

Auctioneers—J. D. Snyder, W. M. Arnold, J. P. Oliver.

## STALLIONS

Yes, stallion price cutter, that's what they call me, and I am proud of the title. I want to place one or more of my stallions or mares in every township, and I now have 60 head, another importation to be here this month, and I am going to slice prices on a grand scale. I will give the best of terms, and a cash guarantee. All my horses are registered in books approved by the government.

I want you to look at others' horses before you come and then it is up to me to make good to you what I say.

Remember if you come and look at my horses and don't say the price is right, considering quality, I will pay your expenses. Come and see me and I will assure you a bargain. Drop me a card when coming, and I will meet you at the train.

L. R. WILEY, EMPORIA, KANSAS

## Auction Sale of 50 Imported Percheron and Belgian Mares and Several Colts

At Cedar Rapids Jack Farm, Tuesday, May 28, 1912

I will hold my Fifth Blue Ribbon Sale of high class Imported Percheron and Belgian mares, Tuesday, May 28. My buyer has been in Europe for six months selecting these mares especially for this sale and they are positively the best lot of imported mares ever offered in America. Some of these mares already have colts at side, but mare and colt will be sold together. I will also offer a few yearling and two-year-old stallions and a few imported three-year-olds, also a few choice jacks will be sold. The Percheron Society of France has closed the books for mares and only a very few can yet be imported. They are stopping it as fast as they can. This sale will be just about your last opportunity to get imported mares from France. Write for bills. Catalogues will be ready as soon as last mares come.

W. L. De Glow, Cedar Rapids, Iowa

**Belgian and Percheron Stallions and Mares**

Imported and Home-Bred.

For Sale at Attractive Prices.

Blue Valley Stock Farm  
Blue Mound, Linn Co., Kan.

**RED POLLED CATTLE.**

**Foster's Red Polls** A few choice bulls for sale. Also a few cows and heifers priced reasonable.

C. E. Foster R. R. 4 Eldorado Kan.

**RED POLLED BULLS**

and heifers by Actor 7781 and Launfal 18221. Cows large, plenty quality, represent best milking families. Also large type POLAND CHINAS. Pigs. Write or come.

CHAS. MORRISON & SON, Phillipsburg, Kan.

**Bergner & Sons' Coach Horses**

65 HEAD

What do you know about the Coach Horse?

Do you want to know more about the Coach Horse?

**German Coach Horses**

are the best general purpose horse for the farmer. They have size, beauty, action, endurance and intelligence and mature early. They stand gracefully both hardships of usage and climate. Many a farmer does not know what a great farm horse the coach horse really is. Let us tell you more about him and you will want him. We are offering young stallions and fillies, also mares in foal to the imported Oldenburg Coach Stallion Mephistoles 4221. Call on or write J. C. Bergner & Sons, "Waldeck Ranch," Pratt Kan.

# BIG BARGAINS IN REAL ESTATE

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

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

**BUTLER CO. SNAPS.** 400 a. fine land, highly imp., permanent water, 120 cult., town 3 mi., \$40. 400 a., fine sheep ranch, permanent water, 80 cult., \$4,000 improvements, town 4 mi., \$30. V. A. Osburn, Eldorado, Kas.

**A SNAP.** If sold by June 1st. 160 acres, 2 1/2 miles Amiot, Kan. 130 acres tillable, balance pasture. Black loam soil. 1 1/2 acres orchard. 4 room house; barn for 6 horses, other outbuildings. Incumbrance \$1,300.00. Price \$6,000.00. E. R. HUTCHISON, Amiot, Kan.

**240 ACRES** 3 1/2 miles of Wichita, Kansas. One of the best black land farms in Sedgwick county; good improvements; worth \$125 per acre. I must sell and will consider a cash offer on same and carry one-half back on the place. A. L. BURTON, 2600 E. 15th St., Wichita, Kan.

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

**159 A., 1 ml. of town; well improved; all tillable; price \$50 acre; \$2,000 down, remainder long time at 6 per cent.** 60 a., 4 ml. of Ottawa, Kan., 40 a. wheat goes with the place. Price \$60 per acre. MANSFIELD, Ottawa, Kansas.

**\$10.50 PER A.** buys this beautiful half section; smooth and level; 8 miles town; \$1,400 runs 7 years 6 per cent. Here is your chance to buy a half section at rock bottom price. First money up gets it. COONS & JACOBS, Plains, Meade County, Kansas.

**FORD COUNTY,** in great wheat belt, best of soil, climate and water. **DODGE CITY, COUNTY SEAT,** where we expect half million worth improvements this year and new R. R. running southwest. Have lands from \$12.50 to \$40.00 per acre, one-seventh cash, balance in seven equal payments. Co-operation solicited. SANTA FE LAND CO., Dodge City, Kan.

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

**MCPHERSON COUNTY, KAN.** Improved land \$40 to \$100. Write for particulars. A. W. Bremyer, McPherson, Kan.

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

**80 ACRES ALFALFA LAND** for sale. If interested write for list of ten 80-acre tracts near Salina. V. E. NIQUETTE, Salina, Kansas.

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

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

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

**\$36.00 PER ACRE—356 a.** Washington Co., Kan., land, 5 miles from town, 95 a. in cult., 25 a. in alfalfa, 236 a. in pasture, same has living water, all fenced and cross fenced. 6 room new frame house, new barn for 6 head of horses, 50 head of cattle and 30 tons of hay, a good well with windmill. An A No. 1 stock farm. Price \$36.00 per a. Will be on the market only a short time, so get busy. Wire, or come at once.

**Pralle Bros. Realty Co.** Bremen, Kansas.

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

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

## DICKINSON COUNTY BARGAINS

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

## An Ideal Ranch

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

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

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

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

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

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

**460 A. ALFALFA BOTTOM LAND** \$38.00 a. 100 alfalfa bottom land, \$30 a. 160 a., splendid black prairie land, good new house and barn, fenced and cross fenced, without a blemish, \$50.00 a. Send for list of 40 farms, in rainbelt of southeastern Kansas. J. B. COOK, Chetopa, Kansas.

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

## Grant County Kansas Land

I have for sale nice smooth land, tributary to the new Santa Fe cutoff at from \$8 to \$11 per acre. Write for full information. T. W. MARSHALL, New Ulysses, Kan.

## LAND! LAND! LAND!

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

## DON'T READ THIS

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

## Buy From the Owner Cheap

I have a good half section smooth dark sandy loam, 10 miles from Hugoton, Stevens Co., Kan. Well and other improvements. Santa Fe R. R. building to Hugoton will enhance value. Price \$3,200. Will carry \$2,000 till Jan., 1914, at 7 per cent. This is your chance. E. J. THAYER, Liberal, Kansas.

## Sedgwick County Farm Bargains

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

## A BIG BARGAIN

240 acres in Washington Co., Kan., 11 miles from Linn, 2 miles from two good general stores. Soil black loam. 120 acres in cultivation, 80 acres of pasture with never-failing spring water, 25 acres fine alfalfa, 10 acres hog lots, woven wire fence; 5 acres orchard, all kinds of fruit. New 2-story house, 28x32; barn, 20x36, with additional shed; woodhouse, 16x22; double corn crib, 10x10x20, driveway in center; granary, chicken houses, cattle sheds, etc. Good well by house, with windmill; two 20-bbl. tanks, water piped to barnyard. All fenced with hedge and wire fence; 2 telephone lines to house, R. F. D. at the door, 2 miles from two inland towns, 4 miles to German Lutheran church, 2 1/2 to German Catholic church. Reasons for selling, to give children high school education. If sold within the next three months, price \$60 per acre. This special bargain price is good for limited time only. Address, J. A. JOHNSON, owner, Morrowville, R. F. D. No. 2, Washington Co., Kan.

## Old Electric Car Line

Well improved 272 a. farm, Montgomery Co. Adjoins market. All level, productive land. Price \$55 per acre. Must sell soon; a real snap. Write FOSTER BROS., Independence, Kan.

## A Good Eighty for Sale

80 acres 3 miles from town, 60 a. in cultivation, balance in hay and pasture. 6 roomed house, barn 36x36 ft. Good rich land. \$60.00 per a. This will bear inspection. Address A. E. CLARK & SON, Pomona, Kan.

## OKLAHOMA.

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

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

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

**GOOD 170 ACRE** central Oklahoma bottom farm; 8 miles from one railroad station, and 2 miles from new road to commence building soon; 115 acres in cultivation; fair improvements. Price \$6,500. LAMBARD-HART COMPANY, Shawnee, Oklahoma.

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

**GOVERNMENT FARMS FREE—Our 1912 official 132 page book, Free Government Land, describes every acre in every county in the United States; contains township and section plats, Maps, Tables and Charts showing inches rainfall annually, elevation above sea level by counties, Homestead, other government land laws, tells how and where to get government land without living on it. Application Blanks, United States Patent. All about Government Irrigation Projects, map showing location of each. Tax laws of each state, other information. Price 50 cents postpaid, direct from publisher. THE HOME BUILDERS, 508 West Main St., Oklahoma City, Okla.**

244 A. valley bottom land. Black limestone soil. 60 a. cultivation. 140 meadow. Balance timber. Meadow all tillable. No rock or overflow. 6 miles from city 4,000. This county. 6 room house, barn 40 by 60. Splendid orchard. 3 miles American hog wire fence. \$25.00 per acre. SOUTHERN REALTY COMPANY, McAlester, Okla.

## FOR BEST FARM LANDS

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

## FOR IMPROVED FARMS

in the garden spot of Oklahoma, write JOE CAKE, Hunter, Okla.

## POCKET MAP OF OKLAHOMA

for five names of persons in-nding to change. Caddo county corn and alfalfa land. BALDWIN & GIBBS CO., Anadarko, Okla.

## TERMS TO SUIT.

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

## All About Oklahoma

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

## Oklahoma Wants You

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

## Indian Lands

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

## GET A FARM ON PAYMENTS

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

## Eastern Oklahoma

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

## ARKANSAS.

38 CHEAP farms for sale in White Co., Ark. Letona Realty Co., Letona, Ark.

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

**BARGAINS** in north Ark. Good valley farms and cheap dairy and grazing land. Clayton & Wayt, Hardy, Ark.

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

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

160 A. GOOD SOIL. \$2,400. 1/2 cult., family orchard, 2 small houses, good well, spring and branch, school 1 ml., R. F. D., and tel. line 1/2 ml., on public road 6 ml. from Horatio, "City of Peaches." Best farm, fruit and stock section in state! PORTER LAND CO., Horatio, Sevier Co., Ark.

## ARKANSAS.

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

688 A., 2 ml. from Imboden. About 155 cleared and cultivated. About 100 bottom and valley. Bottom, upland and hill yet to clear. Fair house. Well watered. Make a general purpose and livestock proposition. \$15.00 per acre. For particulars write J. L. M'KAMEY, Imboden, Lawrence Co., Ark.

160 ACRES black alfalfa land; soil 15 feet deep; if not as rich as yours will pay your expenses to see it. Price \$25.00 per acre. Ask for map and list. H. M. McIVER, Texarkana, Ark.

## ARKANSAS LANDS.

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

## FOR BARGAINS

in Arkansas farm and timber lands, write H. G. LONG, Hoxie, Ark.

## IF YOU WANT TO BUY ARKANSAS LAND

Write S. C. Dowell, Walnut Ridge, Ark. Finest farming, timbered and rice lands in the state at lowest prices. No trades.

## ARKANSAS FARM.

240 a., 6 miles town—40 a. in cultivation—house, barn, etc., \$3.50 per acre cash. RINGLANDS, McALESTER, OKLA.

## ARKANSAS FARMS.

240 acres improved, \$3,000. 160 acres unimproved \$1,800. 40 acres improved, \$1,000. Every one a bargain. Send for my list and buy direct from owner. J. G. HOWARD, Little Rock, Ark.

## A HOME FOR YOU IN ARKANSAS.

80 acre farm, 25 in cultivation, 5 room house, barn and outbuildings—4 ml. from city, \$1,500.00. Easy terms. 800 acres, cut over land, will make good upland farms. Some cleared land now in cultivation on tract. \$10.00 per acre. Easy terms.

Farms, Lands, Homes. 16 years' experience in Arkansas lands.

REAL ESTATE DEPARTMENT, TEXARKANA TRUST CO., TEXARKANA, ARK.

Colored map of Arkansas for 2c stamp.

## 120 Acres Fine Timber Land

Part bottom, soil productive, \$10 per acre, cash; would take good automobile at \$800, balance cash. I have 75 other farms for sale. HUBERT HALL, Waldron, Ark.

## For Sale in Southwest Arkansas

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

## Scott County, Arkansas

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

## MISSOURI.

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

HEY, THERE! Fruit, dairy, poultry and stock farms for sale. Write for list now. Baker Realty Co., Mountain Grove, Mo.

101 ACRES, 11 miles West Plains, county seat Howell Co. 85 acres in cultivation, balance timber and pasture. All fenced. Best of water, good six room frame house, shedded log barn, good orchard. One mile to busy inland town up-to-date. Price \$3,000.00, time on \$1,800.00 at 7 per cent interest. Cash only considered. Write JAS. B. WEBB & CO., West Plains, Mo.

**WELL IMPROVED** farms and ranches of all sizes, sell from \$10 to \$65 per acre, easy terms. Unimproved land cheaper. Descriptive price list free. J. H. FREDERICK, Cole Camp, Mo.

## BLUEGRASS FARM BARGAIN.

Six hundred eighty acres, close to railroad town, fine farm, large house, many good barns, artesian water. Best bargain in Missouri for \$35.00 per acre. If you investigate you will buy. J. E. WALTON, 222 South St., Springfield, Mo.

## MR. FARMER: JUST A MOMENT.

160 a., extra well improved, 6 room house, good barn, 2 living springs, 12 a. Elberta peaches, 12 a. apples, good corn and wheat land, all tillable, good school, 3 ml. to station, 7 ml. West Plains. Only \$25 per acre, bal. own terms. Write for particulars. OAKS REALTY CO., Box 131, West Plains, Mo.

## CARTER COUNTY BARGAIN.

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

## FREE: "Homeseekers' Review"

Journal Published Many big bargains. WEST PLAINS REAL ESTATE CO., West Plains, Howell County, Mo.

## Market Probabilities

(Continued from Page 24.)

spayed western heifers brought \$7.80, top heifers \$7.90, and steers and heifers mixed sold up to \$8.40. Veal calves were irregular, a 50-cent advance being followed by a 25-cent decline. Stockers and feeders are selling at about unchanged prices.

Kansas City is receiving relatively fewer hogs than any other market, and prices here are fully as high as in Chicago. Last week prices rose steadily until Saturday, when they fell back 10 cents though at the decline they were 20 cents higher than the preceding Saturday.

The following table shows the range in prices of hogs in Kansas City on days named for the past two weeks:

	This week	Previous wk.
Tuesday	\$7.35@7.77 1/2	\$7.50@8.00
Wednesday	7.40@7.90	7.40@7.85
Thursday	7.45@7.95	7.35@7.80
Friday	7.50@7.95	7.20@7.75
Saturday	7.40@7.85	7.25@7.65
Monday		7.35@7.70

The following table shows the receipts of cattle, hogs and sheep in Kansas City thus far this year and same period in 1911:

	1912	1911	Inc.	Dec.
Cattle	500,129	608,915	108,786	
Calves	29,722	43,032	13,310	
Hogs	1,068,543	1,184,745	116,202	
Sheep	800,408	794,674	5,734	
H. & M.	35,604	42,323	6,719	
Cars	39,981	46,311	6,330	

## Livestock in St. Louis.

Receipts of cattle last week were fairly liberal, including a large per cent of killing steers. Choice to prime steers declined 10 cents, medium grades 15 to 25 cents and common kinds more. Medium cows and heifers were quoted down 40 to 60 cents and better grades off a quarter. Bulls declined 10 to 15 cents. The top price for steers this week was \$8.50, cows \$7.25. A few heifers brought \$8.35. Stockers and feeders were in poor request and prices were quoted down 25 to 35 cents. Quality was plain.

The supply of hogs was small. A good many light weights were offered. Prices fluctuated 25 to 35 cents, and closed the week with a 20-cent net advance. There has been considerable shipping demand. The top price Saturday was \$8, and the bulk of the hogs sold at \$7.60 to \$7.90.

The following table shows receipts of cattle, hogs and sheep in St. Louis thus far this year, compared with the same period in 1911:

	1912	1911	Inc.	Dec.
Cattle	240,022	256,710	16,687	
Hogs	1,037,431	1,045,575	12,094	
Sheep	304,740	277,602	27,138	
H. & M.	77,458	80,257	2,799	
Cars	35,012	26,885	8,127	

## Livestock in St. Joseph.

The bulk of the cattle received last week were medium grade killers, and prices for them were quoted down 15 to 25 cents. Receipts were fairly liberal, and this afforded buyers more discrimination. The best grades have been very scarce, and there is a ready outlet for them. No straight grassers have been offered. Steers are quoted at \$6.50 to \$8.75, cows and heifers \$3.25 to \$7.60, calves \$5 to \$7.75, bulls \$4.00 to \$6.50, and stockers and feeders \$5 to \$6.75.

A net gain of 20 cents occurred in prices of hogs last week, with prices Saturday the highest of the past 10 days. Receipts have been moderate and packers are apparently anxious for supplies at prevailing prices. The top price Saturday was \$7.95 and bulk \$7.75 to \$7.90.

The following table shows receipts of cattle, hogs and sheep in St. Joseph thus far this year, compared with the same period in 1911:

	1912	1911	Inc.	Dec.
Cattle	173,051	165,721	7,330	
Hogs	838,478	649,623	188,855	
Sheep	287,189	277,052	10,137	
H. & M.	19,739	19,789	50	

## Cotton Market.

Galveston, Tex., May 13.—COTTON—Market unchanged, 12c.

## Butter, Eggs and Poultry.

Begin, May 13.—Butter this week firm at 30 cents.

Kansas City, May 13.—Prices this week on produce are:

Eggs—Firsts, new white wood cases included, 17c a doz.; seconds, 14c.

Butter—Creamery, extras, 29c a lb.; firsts, 27c; seconds, 26c; packing stock, 20c.

Live Poultry—Broilers, under 2 lbs., 35c a lb.; No. 1 hens, 13c; No. 2 hens, 5c; roosters, 7 1/2c; turkey hens and young gobblers, 12c; old toms, 10c; culls, 7c; ducks, 12c; geese, 6c; pigeons, 60c a doz. Dressed poultry sells for about 1 1/2 to 2 1/2c above live stock quotations.

## Produce Prices Now and One Year Ago.

(Quotations on Best Stock.)

	Butter	Eggs	Hens
	1912	1911	1912
Chicago	29	21	18
Kan. City	29	21	17

## MEXICO.

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

## LOUISIANA.

TIMBER and farm lands, city prop. and mds. Describe and price your prop. Ragdale-Bland R. E. Ex. Shreveport, La.

## MINNESOTA.

LAND FOR SALE—I have some very good pieces of land which I can sell at from \$7.00 to \$10.00 per acre. Land with some improvements from \$10.00 up. This is a natural grass, grain and vegetable country. Potatoes yield from 125 to over 500 bu. per acre. We have a sandy loam with heavy clay subsoil. The majority of this land is well located and near good market. We have a good climate and good water, failures in crops never known in this section of country, as in other places. Abundant rainfall. If you are interested I would be pleased to give you full particulars. JOHN M'DOUGALD, Blackduck, Beltrami Co., Minn.

## FLORIDA.

FLORIDA—10-acre tracts, finest prairie land, De Soto county, Florida; sacrifice price, \$18 per acre; monthly payments. C. E. Johnson, owner, Parsons, Kan.

## Florida Lands For General Farming

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

Howard-Packard Land Co.,

Sanford, Fla.

## FOR SALE OR EXCHANGE

LAND SOLD or ex. 2 1/2 com. Middle West Exchange Bureau, Cherryvale, Kan.

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

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

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

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

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

IF YOU WANT to buy or trade for an Arkansas valley farm, write to or call on C. L. Seely, La Junta, Colo.

WE WANT stocks, residences, and farms listed for exchange. Write for listing blank. Cassoday Realty Co., Cassoday, Kan.

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

SOME well located rental property consisting of 4 and 6 apartment flats—owners want good farms or ranches. G. W. Goldman, N. Y. Life Bldg., Kansas City, Mo.

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

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

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

HUNDREDS of bargains in improved farms, located in 20 states. Sale or exchange, list free. W. P. Burrow, Warm Springs, Ark.

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

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

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

FOR SALE—3 1-11 a. land, good improvements, suitable for raising chickens, at Dundee, Kan., would trade for southwest Kan. land. JOE BRADA, Great Bend, Kan.

\$15,000.00 GENERAL merchandise for farm. \$20,000 general stock for farm. \$20,000 hardware stock for farm. G. W. Goldman, N. Y. Life Bldg., Kansas City, Mo.

COME to Meade county and buy a home; no place offers better inducements; no county in state of Kansas has better water, soil or climate, and everything considered, none can compete with us in prices. Come and see us or write for further information. Exchanges considered. Marrs & Day, Meade, Ka.

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

ONE of the best businesses in Hutchinson to trade for land or city property worth the money. 1,800 acre stock ranch to trade for land or city property.

B. M. MURPHY & CO., Hutchinson, Kan.

WE HAVE three good gen. mdse. stocks to exchange for real estate.

KANS. INVESTMENT CO., 408 Barnes Bldg., Wichita, Kansas.

640 A. OF GRASS LAND, 5 miles from station, Greenwood Co., Kan.; want general mdse.

640 acres, good, smooth wheat land, western Kan.; want Topeka rentals.

\$9,000 hardware and implement stock; want land of equal value.

\$7,000 new residence, well located in Topeka; want improved farm.

THE THOMAS REALTY COMPANY, 519 Kan. Ave., Topeka.

## MISSISSIPPI.

CHOICE FARM LANDS—Mississippi Gulf coast; grapes, oranges, pecans, truck; climate unexcelled; very healthy. Write W. A. Cox, Gulfport, Miss. Tell him what you want.

## SOUTHERN MISSISSIPPI.

Ideal for general farming as well as oranges, pecans, truck, grape fruit, etc. Anything that you put into the ground here in this genial climate grows and produces abundantly. Write for list, land \$10.00 up. SOUTHERN LAND CO., Wiggins, Miss.

## IOWA.

IOWA FARM FOR SALE. 160 acres five miles of good town, well improved, \$90 per acre. Easy terms. Write for illustrated list showing this, and fifty other improved farms, Buchanan and Fayette county, Iowa. NORTHERN IOWA LAND COMPANY, Independence, Iowa.

## TEXAS.

COLONIZATION tracts, two to five thousand acres in rain belt. The Baughman Realty Co., Eagle Lake, Texas.

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

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

YOU WANT to come to the MID-COAST COUNTRY of Texas, where land is cheap. The climate is delightful; mild in winter, pleasant and agreeable in summer. Hundreds have made their fortunes here. It's your opportunity. "Come" or write. We will help you. E. E. Norvell, Bay City, Tex.

## POTATO LAND.

800 a. Brazos Cal. red shell alluvial soil; \$27.50 a. N. B. Knight & Co., Houston, Tex.

## FOR SALE OR TRADE.

Rich farm and ranch lands. In tracts of 100 to 140,000 acres. \$3 to \$100 per a. Good terms. Dryden & Moseley, Waco, Texas.

## PROFITS IN GULF COAST LAND.

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

## COLORADO.

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

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

THE YUMA COUNTRY. If interested in cheap deeded lands and homesteads, relinquishments where one crop often pays for the land address J. H. FAIL, Yuma, Colo. Coming country of Golden West.

## KIOWA COUNTY, COLORADO.

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

## WANT A LOCATION?

Farm, city property or business anywhere, any place. For 15 cents you will receive a list of over 1,000 best bargains in all parts of the United States for sale or exchange. Give me a description of what you have or what you want. See how quick a deal can be made. CARL M. COOK, Limon, Colo.

FOR SALE—Ark. valley Irr. alfalfa lands, most desirable climate, rd lands with water in West. Geo. R. Wilson, Lamar, Colo.

THERE IS MONEY IN STOCK. WE SELL RANCHES. 20,000 acre ranch to sell or trade, best in the country. 1,000 acre irrigated farm all in hay and alfalfa. We are headquarters for small farms. Why wait? Lands will never be as cheap as right now. Write us your wants. SHIELDS-BEGGS LAND COMPANY, Fort Morgan, Colorado.

IRRIGATED ORCHARD LAND. Our Highview Park orchard land is equal to the best. Our location is not equaled in Colorado. Our price is less than half what other like orchard land is selling at. Our terms are remarkably easy. We are selling orchard land for \$375 per acre, with a paid up water right, planted to orchard and cared for, for a period of five years. We give to the purchaser an absolute guarantee to replace all dead or diseased trees and to turn over to them a live, healthy orchard at the end of that time. Our land is so close to Denver that pickers and other help can be obtained quickly. Another advantage: Cooled apples can be marketed at the Denver canning and vinegar factory. Cold storage and shipping facilities at Denver are first class. We give seven years' time on deferred payments and they can be made monthly, quarterly, semi-annually or annually. Write us today. DENVER SUBURBAN HOMES & WATER COMPANY, Denver, Colorado.

JAMES BUTLER, Eastern Representative, 1230 Fillmore St., Topeka, Kansas.

Wheat and Alfalfa Land. Kiowa Co., Colo., \$8.00 to \$25.00 per a. 25,000 a. will be irrigated. Write for free maps and description. Shallow sheet water. A few good homestead relinquishments yet.

FIRST STATE BANK, Brandon, Colo.

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

COBURN & MCCLINTOCK, Box 797, Pueblo, Colo.

Do Not Spend Your Life Praying For Rain. 4,000 acre stock ranch. Close to Denver. To close estate must be sold at once. \$15.00 acre value, will sell for less.

160 acres. Ft. Morgan. Good water. Improved. \$50.00.

33 potato and beet sugar land. Greeley, Snap. HOLLOWELL, Land Man, Denver, Colo.

607 17th St.

WYOMING.

RANCH IN S. W. WYOMING FOR SALE. 180 a. red sandy loam all under fence, good water right under Carey Act. \$0 a. under cultivation, house and barn. Will be sold at a bargain to settle estate.

BOX 102, Montrose, Colo.

## Stock of General Mdse. For Land

General stock, invoice about \$6,000.00, located in a good town in Anderson county, Kansas; stock nice and clean, running and doing good business. Submit propositions to WILSON & RESSEL, Colony, Kansas.

## For Sale or Trade

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

240 Acres of Irrigated Land

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

STEVENS & RUBY, Stockton, Kan.

## Here's to the Chigger.

There is nothing like the chigger—  
It can bite with more dead vigor,  
Dog or man or beast or nigger,  
Than an elephant can shake a mangy cur!  
Though it doesn't cut much figger,  
It is always at the trigger,  
Is the dog-gone, measly chigger,  
That gets under skin and fur.

There is nothing that can beat him  
When he grabs a man to eat him  
All determined to complete him  
In a minute and a half.  
And there's nothing that is bolder,  
As he starts in at the shoulder,  
Eating down to meat that's older  
Round the ankles and the calf.

Talk about your awful itching,  
From the garret to the kitchen,  
He has got the household twitching,  
And he isn't very big;  
But, it's oh, he'll set you crazy,  
Being neither large nor lazy—  
Let me sleep beneath the daisy,  
When the chigger starts to chig!  
Benttown Bard.

## What Can You Grow For Kansas?

## FINE PRODUCTS WANTED.

Prof. W. M. Jardine, Kansas commit-  
teeman of the International Dry-Farming  
congress, and head of the farm crops  
department of the Kansas Agricultural  
college, says this year is the psychologi-  
cal time for Kansas to make a display  
of her wide range of money-making crops  
and the superiority of her wheat and al-  
falfa at the great International Dry-  
Farming congress to be held next Octo-  
ber at Lethbridge, Canada.

There are several apparent reasons  
why this would be a good thing for Kan-  
sas to do. The new wheat country of  
Canada has been settled to a great ex-  
tent by farmers from the middle western  
states. But farming in Canada has its  
drawbacks to men used to western sun-  
shine, longer crop seasons and less snow  
and ice than they have in Canada, and  
many of these men are drifting back to  
the states. They constitute some of the  
best young blood of the corn belt and  
Kansas needs them to put her large num-  
ber of untillied acres under the plow. She  
needs them too, for citizens but she is  
not getting them because immigration  
promoters of other states are leading  
them astray. That is the main reason  
why Kansas should be heard from un-  
mistakably at the Canadian congress.

Prof. Jardine and John T. Burns, sec-  
retary of the congress, recently consulted  
with the heads of various state and local  
organizations in Topeka in regard to a  
Kansas exhibit at Lethbridge. Such an  
exhibit will be made up this fall from the  
best products shown at Kansas fairs.  
The bankers, the real estate dealers,  
and other organizations, will be asked to  
finance it, but the real stuff with which  
to make a showing will have to come  
from Kansas farms. To a large extent  
that puts it up to the readers of Farm-  
ers Mail and Breeze. What can you  
grow to show at your fair that we can  
send to Canada? Let it be along the  
line of your best "holt." There will be  
further information later.

## Hogs a Cure For Bindweed

## TRY THIS AND REPORT.

The botanist of the Kansas station  
urges the readers of Farmers Mail and  
Breeze who are contending with this  
terrible weed to fence it in and turn the  
hogs on it. The results he reports from  
Atchison county indicate the hogs will  
root it out and that nothing else seems  
effective. Will others who have tried  
or will try this method on the bindweed  
report the outcome.—Editor's Note.

Mr. Editor—I take pleasure in re-  
porting an experiment on exterminat-  
ing the bindweed, carried out by Mr. R.  
E. Kerr of Americus, Kan. The writer  
has had correspondence with farmers on  
this subject and has conducted exten-  
sive experiments in trying to kill  
the bindweed by means of chemical  
sprays. While we could always kill the  
weed down to the ground, we found  
that it would invariably come up again,  
even after as many as 13 killings, which  
we made in one season at Hays.

Now the writer has suggested to sev-  
eral farmers to try fencing in hogs on  
light feed and see if they could not be  
compelled to destroy them by rooting  
after the extensive underground root  
system. This is the secret of the  
weed's tremendous growth. Mr. Kerr  
tried this experiment. He fenced 1  
acre, part of which was badly infested  
with the weed, and turned in 9 hogs and  
27 spring pigs. He reports that, "they  
have kept the weeds down almost en-  
tirely and seem to be very fond of the  
roots, as I have seen the ringed hogs

picking up the pieces of roots which the  
others had thrown out."

This certainly looks interesting and  
promising, and the writer hopes that a  
good many of the readers of Farmers  
Mail and Breeze may try the same ex-  
periment this season.

H. F. Roberts.

Botanist, Kansas Experiment Station,  
Manhattan, Kan.

## Getting the Color in Alfalfa Hay

BY A. H. LEIDIGH,  
Kansas Agricultural College.

Mr. Editor—Cut your alfalfa hay  
when it is about one-tenth in bloom and  
cure it carefully afterward. This is the  
way to get first-class alfalfa hay—the  
bright green kind.

To get alfalfa hay which shows no  
discoloration, two points must be ob-  
served:

The hay must be cured by the circu-  
lation of air through it, not by the hot  
sun; and it must not become wet after  
being cut, or be stacked when it con-  
tains the least trace of moisture. A light  
dew on hay cut in the evening and  
stacked the next day sometimes has  
seemed to improve the color.

Too long exposure to hot sunlight or  
to dampness allows the food substances  
to leach out. If this process goes on  
long enough, the value of the hay may  
be reduced by one-third or even by one-  
half. Bleaching may be avoided by  
turning the hay two or three times in  
the windrow before it is stacked, or by  
shocking it and leaving it in the field  
several days. In the latter case shock  
covers are valuable in preventing dam-  
age if rainy weather sets in.

Few leaves thresh off when alfalfa is  
cut early and the plant does not become  
stemmy. When fed to stock it is eaten  
stems and all. Experiments made at  
the college prove that alfalfa cut when  
in full bloom does not have as high feed-  
ing value as when cut early. The early  
cut hay exceeded the other in the four  
qualities which a good hay should have  
—healthfulness, palatability, digestibil-  
ity, and value after digestion. For horse  
feed, alfalfa should be cut a little later.

## Ways of Feeding Kafir.

Mr. Editor—If it is too expensive to  
grind Kafir for hogs make a good trough  
and put in as much Kafir as they will  
clean up in a day. Then fill the trough  
with water. This is my way of feeding  
Kafir. I find the hogs will do better on  
Kafir if wet, and both pigs and hogs  
thrive on it. In feeding Kafir to work  
horses it should be mixed with a little  
bran. Ground Kafir is a strong feed for  
horses and should be fed carefully.

Eldorado, Kan. A. Z. Scribner.

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## Hart-Parr "Corn Belt" Tractor

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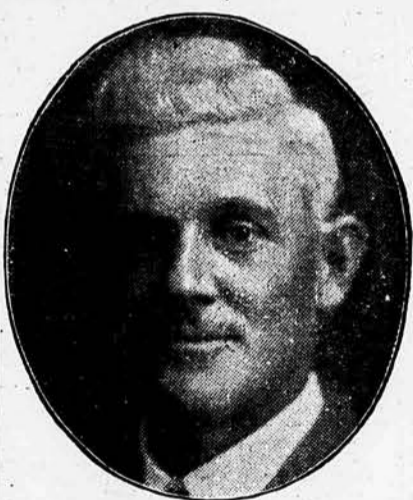
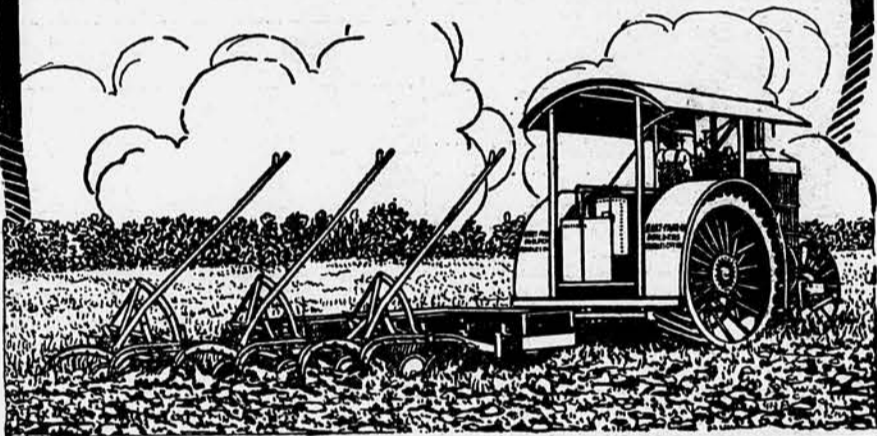
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there can be a better stacker  
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