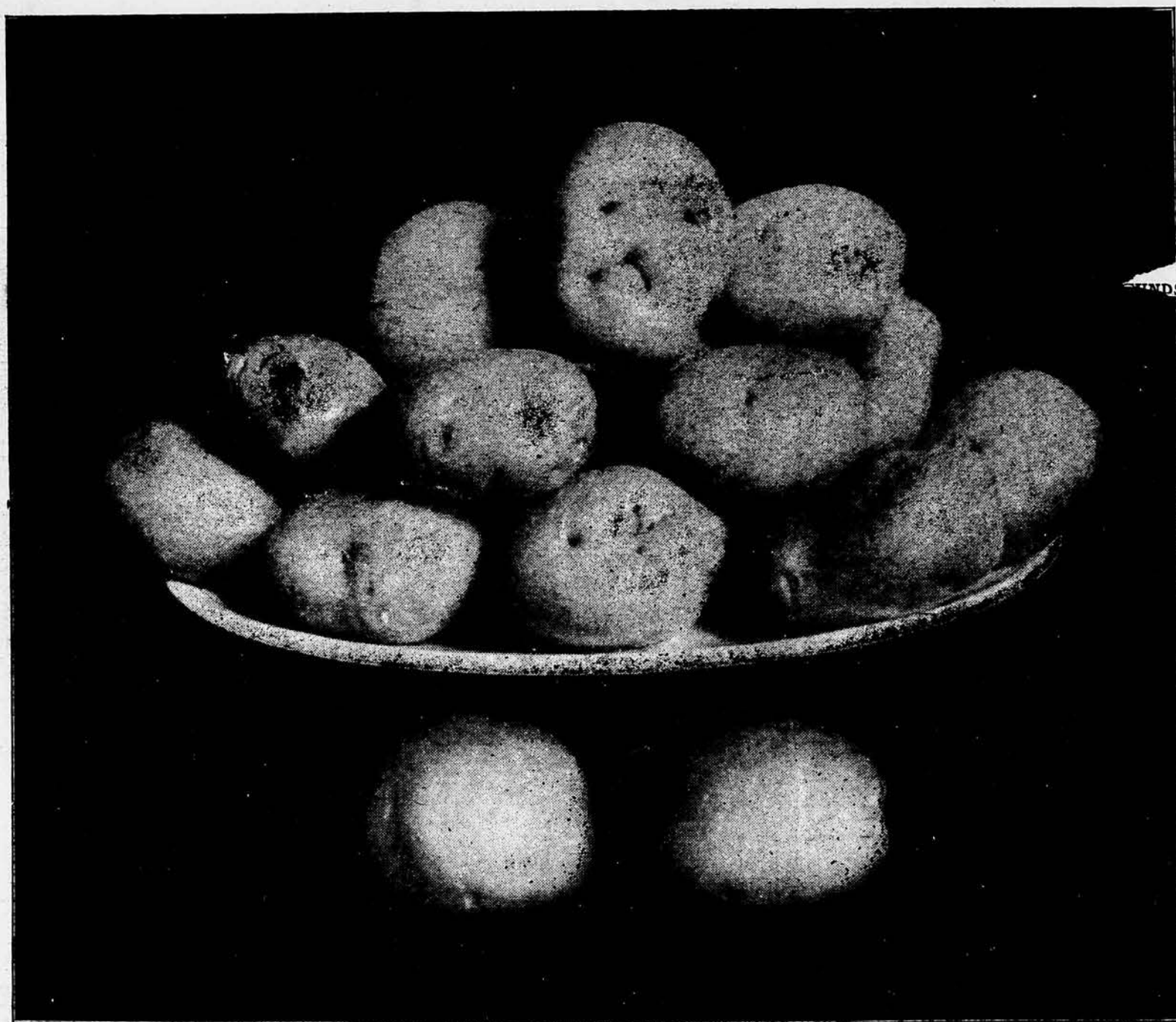


# THE FARMERS MAIL AND BREEZE

Volume 43

March 22, 1913

Number 2



Platter of Kansas Potatoes Grown from Carefully Selected Seed Chosen from Good Stock

**I**F you intend to sow some alfalfa this year, and especially this spring, next week's Mail and Breeze ought to be worth its weight in gold to you. A special article written for it by F. D. Coburn, a national as well as a Kansas authority on this subject, will treat of the whole seeding proposition in such a way that the veriest beginner can understand and profit by it. There is no such thing as "half a stand" of alfalfa, the grower who hasn't a stand is without alfalfa and simply in the air. Charles A. Scott, State Forester, also, will have a splendid article in that number. He will tell you how to "Grow Evergreens in Kansas." It's easy when you know how.

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TOPEKA, KANSAS, MARCH 22, 1913.

Subscription  
\$1.00 a Year

## WHAT THE LEGISLATURE DID FOR KANSAS AGRICULTURE

PEAKING generally the Kansas legislature that just adjourned seemed disposed to favor the promotion of agricultural education, development of the state's resources and the advancement of its farming industry.

It appropriated \$87,500 more for the state agricultural college and experiment stations than had been given for the present biennium, and was liberal especially in respect to maintenance, providing \$5,000 for the next two years as against \$450,000 the similar period preceding. The extension department was allowed \$95,000 to conduct its important work, or \$25,000 more, and the experiment station has \$10,000 more. Two new items in the college budget are \$15,000 for special investigations in production and dissemination of pure seed, and \$10,000 for irrigation investigations, which should be money well spent. The branch experiment station at Hays was allowed \$50,000 for the coming years; the one at Dodge City \$5,000, at Garden City \$10,000 and at Tribune \$5,000. In addition, a bill appropriated \$7,500 to cover losses resulting from the recent fire at the Hays station. The amount is for replacing buildings, horses, hares, feed and other equipment burned.

### TWO NEW EXPERIMENT STATIONS.

Provision was made for two new experiment stations, as branches of the State Agricultural college, under control of the new state board of administration, one near Colby, in Thomas county, northern Kansas, and one near Lakin, Kearny county in the southwest, the latter receiving an initial appropriation of \$10,000 for buildings, implements, stock and other equipment, and the former \$15,000 with the provision that \$5,000 of this shall be expended for pump and other irrigation equipment. Lakin bill carries a condition that Kearny county shall expend on the experiment station farm less than \$7,500 in the next two years, in drill-irrigation for deep water wells, experiments in irrigation and so on. Both Kearny and Thomas counties are required to deed to the state not less than 160 acres and for their respective station farms, and after each county must provide amounts equal to be given by the state for maintenance and support of these stations, which are to be located by board of administration. These new stations should do an immensely valuable work for western Kansas, if properly managed and supported.

### TO DEVELOP KANSAS IRRIGATION.

An important new law is the one empowering the commissioners of any county having less than 50,000 population, and on petition of at least 51 per cent of the resident taxpayers, to appropriate from the general county fund not to exceed \$3,500 for the purpose of purchasing deep well-drilling machinery to be used in exploring the subterranean formation, with a view to determining the water available for irrigation purposes, and securing other geological information. This machinery is the property of the county, and its use is free of charge to residents on application to the board of county commissioners. It is to be operated by a competent person selected by the board, who is to be paid by the person having the machinery a reasonable per diem, not exceeding \$5 per day. This law should give impetus to discovering the extent and supply of subterranean water in western Kansas, which is underlain by strata of sand and gravel believed to carry abundant water. This determined, its utilization would be of tremendous value to the development of agriculture in that portion. The average farmer could not afford the expense of such experiments, but the new law seeks to overcome that drawback to such development. It would be worth what it costs the farm owner, under this law, to have it determined whether or not he has a reservoir of water beneath his tract sufficient for irrigation, and if so, he has an assured future agriculturally,

### Review Prepared For Farmers Mail and Breeze

BY F. D. COBURN

and his land is at once greatly enhanced in value.

A bill passed at the close of the session, that will become a law when published in the official state paper, is of wider scope, however, for the development of irrigation possibilities in western Kansas. It provides for a board of irrigation, consisting of a geologist of the state university, a civil engineer of the agricultural college, and three mem-

plants and cost of irrigating. The board shall also experiment to determine the best machinery and methods, as well as the crops best adapted to conditions. A full report of its investigations, experiments and demonstrations will be made to the legislature, and published every two years in the report of the state board of agriculture. It carries an appropriation of \$125,000, with a revolving fund provision, to make its requirements effective. Since its passage the bill, although signed by the governor, is found to have been so carelessly amended during consideration as to make it of somewhat doubtful legality. The governor has appointed F. A. Hines of Scott county, J. B. Hammond of Hamilton, and B. P. Walker of Osborne, as the members of this board. The salary of each member is \$2,000 per year, payable quarterly, and expenses, but no appropriation was made for their payment.

### A STATE FAIR WITH NO FUNDS.

Giving recognition to a state fair is another act of the legislature of interest to the farming fraternity, for Kansas and her agriculture should be vastly benefited by a complete and comprehensive exposition, at one or more readily accessible and convenient points, of the products of her farms and orchards, her herds and flocks, factories and forges, mines and quarries, suggesting to all corners our wealth, our resources, productions and possibilities. Properly and intelligently managed it should afford opportunity for others to see us as we really are instead of as so many erroneously suppose we are, and lift the Sunflower state higher in the estimation of all, citizen and visitor alike. Kept clean, wholesome, educational, progressive and uplifting, on a scale becoming its importance and the state's dignity, whatever expenditure it may involve will be a judicious investment.

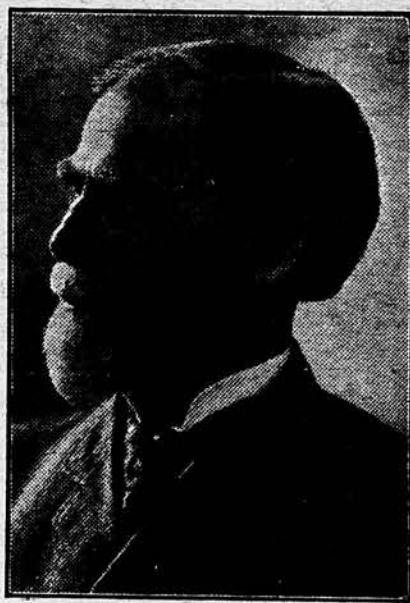
Kansas cannot do herself justice, however, with a state fair, unless liberal with funds for substantial and permanent improvements, modern and properly equipped buildings, and for maintenance. The legislature failed to make any appropriation for the fair. The act authorizes the state board of agriculture to hold an annual state fair at Hutchinson, managed by four from its members and officers, together with the secretary of the State Horticultural society. Under the requirements, the county of Reno as a preliminary shall deed to the state the Hutchinson Fair grounds and all improvements thereon.

### STATE SCHOOL BOOKS FOR KANSAS.

A law of deep interest to all is that creating the school book commission. This commission is composed of the state superintendent of public instruction, the state printer, the president of the State Normal school, the president of the State Agricultural college, the president of the state board of agriculture, and two members to be appointed by the governor. The commission will have charge of securing the manuscripts and copyrights for all text books to be used in the public schools, and must have 17 of these books ready for delivery by the expiration of present contracts in 1914. For this work the state is required to sufficiently increase the facilities of its printing plant in Topeka, for which the outlay will be large. It is expected that under this system books more satisfactory and better made than those in use heretofore will be provided at lower cost, and that it will very materially cut down the annual school book bill. As suggestive of the saving by state publication the experience of California has been cited: There the price of Third readers, for example, has been reduced to 13.4 cents each, while under the present Kansas contract, in force until 1917, such readers cost 23 cents each. Should the expense be cut proportionately on other textbooks, it can be readily seen that the savings will be enormous.

A radical departure has been made in placing, after July 1st, the state's educational institutions,

(Continued on Page 7.)



### No Lower State Taxes

As the farmers pay by far the greater part of the taxes, they will be interested in the information that state taxes can scarcely be lower than in the preceding two years. From figures available at this time, before the exact amount is known, it appears that the 1913 legislature appropriated approximately a half million dollars more than its predecessor, and it is questionable if the new revenue measures—the corporation tax law, the moving picture censorship and the sand bill—will produce enough money to offset the excess appropriations of \$500,000 and the \$250,000 loss sustained by repeal of the inheritance tax law.

F. D. Coburn

bers appointed by the governor, (not more than two of the appointees to be of one political party) for two years, and thereafter to be elected by the people. (How the political complexion is to be controlled is not made clear.) Each county desiring the assistance of this board must donate at least 40 acres of land for intended test holes and wells, and only one complete pumping plant may be installed by the board in any one county. Complete records are to be kept of geological formations penetrated or encountered, depths of wells and their cost, cost of completed



## The Farmers Mail and Breeze

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

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

### A LETTER FROM MORGAN.

I am not vain or puffed up over the fact that I have received from the house of J. P. Morgan & Co., a copy of Mr. Morgan's letter to the Pujol committee in which Mr. Morgan explains to the members of the committee that they are conversing through their several head coverings concerning the money trust.

I have read Mr. Morgan's letter with considerable interest and some profit, I think. I am interested in the statement on page 3 of this letter which says, referring to the concentration of money in the New York banks: "We venture to point out to you that such concentration as has taken place in New York and other financial centers has been due, not to the purposes and activities of men, but primarily to the operation of our antiquated banking system which automatically compels interior banks to concentrate in New York city hundreds of millions of reserve funds."

But on page 9 of the same letter Mr. Morgan says: "An endeavor has been made to show, not by means of exact statistics which alone can tell the story, but rather through disjointed testimony obtained in the shape of replies to hypothetical questions, that New York is far outstripping the rest of the country in comparative banking resources. The reports of the comptroller of the currency show not only that there has been no such tendency here, but that for some time New York's proportion of the banking capital and resources has been declining."

I understand of course that in banking language there is a difference between reserves and the money concentrated in the banks. The reserves are supposed to belong to the interior banks depositing their reserve funds in the banks of New York, but just the same these reserves deposited by the interior banks are what give the New York banks control over the financial situation.

Theoretically the interior banks control their reserves deposited in New York or Chicago, but practically they do not. That was proven during the financial panic of 1907. The New York banks refused to turn loose the funds deposited by the interior banks and as a result the interior banks had to suspend payment to their depositors.

The thing however, that most interests me in this letter is the frank confession that our wise financiers who have had control of our financial system for all these years have made a miserable mess of it. In view of the confession of the greatness of them all they cannot claim now that private control of the financial system is a success.

Another statement that is frequently heard made is that the world is suffering from an excessive production of gold. Mr. Morgan however, says, "The factor which intensified the distressful conditions in October, 1907, was that all the world's

markets were, and during a year previous had been suffering from an excessive shortage of money." So it seems that there has not been too much money but too little money to do the business of the world.

In reading his letter through, a letter which has been heralded as the very best argument that can be put up by America's greatest banker, I am struck with the utter lack of specific suggestions as to a method by which the business of the country is to be placed on a prosperous basis. There is confession that the financiers who have tried their plan have failed but we are invited to continue them in charge of the finances of the country.

Mention fiat currency to these men and they will scoff at the very idea and yet the business of this country is being run today on fiat mostly. In other words, an enormous volume of credit money is being floated supposedly based on and redeemable in gold.

The legitimate function of money is to facilitate the exchange of those things that are necessary to the well being of the human race. As the blood in the healthy human body flows freely through every part of the human frame, so in the healthy body politic money, which is the life blood of commerce, should flow freely through every part of the commonwealth. If there is a congestion of blood in one part of the human body and a lack of it in another, the whole body becomes diseased, the part where there is too much as well as the part where there is too little blood. When money of the country unduly accumulates in one part of the country and is scarce and hard to get in another part, the result is bad for the entire nation.

At present the control of the credit of this country is in the hands of private persons who have a natural but selfish reason for wanting to make just as much profit as possible out of it. I believe the control of the money of the country is a public function as clearly as the control of the transportation lines of the country is a public function.

There was a time when the wise financiers of the country fought strongly, persistently, and for a long time successfully, against any public control of the great transportation lines of the country. They said that private citizens had put up the money to build these transportation lines and should be permitted to control their own property. They have been driven from that position step by step until now the right of the people through their government to exercise complete, even despotic control over these great transportation lines is recognized and it is only a question of time until the people will take the final step and own and operate the railroads of this country. That it is as necessary that the people should through their government control the money of the country as that they should control the railroad transportation of the country is evident.

Why should there be government regulation of railroads? For just one reason. Railroad transportation has become a public function and the people recognize the fact that the railroads should therefore serve all the people impartially. The next and logical step will be to operate the railroads without profit, performing this public function at actual cost and without discrimination in rate in favor of any individual, firm, corporation or locality.

And so it will be some time with money. It will be recognized as a public instrumentality necessary for the exchange of products and the development of industry. Its distribution will be through public agencies and at actual cost. The burden of interest must be lifted from the back of industry or in time our civilization will break down under the load. We will in time be forced to the repudiation of debts because it will be found impossible to pay the debts.

Now I am opposed to repudiation. No man can repudiate a debt that he has deliberately incurred and be as good a man after the repudiation as before even if circumstances have compelled the repudiation. We must find a way to avoid the necessity of repudiation.

Mr. Morgan in his published letter offers no relief. He simply acknowledges that as financial guides he and his kind have been failures. They have led us into the wilderness but show us no road out of the wilderness.

**THE FARM ADVISER.** — The other day I heard a gentleman criticizing the farmers of the state because they did not seem to take to the farm adviser idea as a rule.

I was reared on a farm and think I know considerable about farmers and their viewpoint. Owing to the character of his business the farmer is naturally an individualist. He is or has been forced to run his business largely by himself and that has naturally made him shy at anything that looks like supervision or dictation by an outsider. However, the farmer is just as anxious as anybody else to increase his income and the farmer who really is successful takes pride in having a farm kept up and in the raising of good crops and stock.

I believe in scientific farming. I believe that sometime it will be recognized that real farming is a learned profession and requires more good sense as well as scientific knowledge than any other of the common lines of business.

But the average farmer is apt to think that the farm adviser plan is to send out some immature theorist from the college, some young fellow who has

never gone up against the real problems of farming, but whose head is filled with theories, who will come out to instruct the farmers of long experience how to farm their lands. This prejudice, which is natural, no matter whether well founded or not, must be reckoned with.

I think it entirely right that our Agricultural college should give the farmers of the state the benefit of the knowledge gained there by study and experiment. Otherwise the people of the state should not be taxed to maintain the college. I believe also in the college going out to the farmers in a practical way.

The best plan, as it seems to me, is to establish a multitude of small experimental farms all over the state. This can be done without great expense. Farmers in every county can be induced to allow a few acres of land to be cultivated under the direction of the college experts, the expense of making the experiment to fall on the state in case the expense of cultivating the experimental tract outruns the profits.

If the college can demonstrate by a practical test that the farmer's crop can be increased at a profit to the farmer, the farmers will begin to take notice. They have to be shown by a practical test, but when they are shown they will take up with the new methods.

In this connection I have been reading the results obtained by scientific cultivation of the soil in certain parts of Illinois. Poor and wornout land has been restored to fertility and made profitable, whereas under the old method the crop raised did not anywhere near pay for the labor, to say nothing of paying taxes and a reasonable rental for the land. What has been done there can be done in every other part of the agricultural districts of the United States.

The farmer who insists that nobody can show him anything is, of course, a fool. On the other hand, it is equally foolish to try to push advice onto the farmer without his consent. He must be shown. And if you can show him by actual demonstration a better and more profitable way than he has now, you will find him reasonable and ready to accept the better way.

### WHAT ABOUT THE STANTON CASE?

Editor Mail and Breeze—

And now about that contest in the Kansas senate. Was it proven or merely asserted that illegal votes were cast in Crawford county? I believe that the Democrats claimed that 154 votes cast were fraudulent. Granting this to be true and also that every one was a Socialist vote, would that not leave Stanton a plurality of 209 votes? By what line of argument can the Kansas senate justify its action in turning Stanton out?

Is it not true that if they threw out the entire vote of the disputed precincts Capper was legally elected governor? Possibly they threw out alleged fraudulent Socialist ballots only, but that would still leave a fine plurality for the Socialist senator. Possibly the senate in its wisdom decided that the part of these ballots relating to candidates for state senator was fraudulent, while the part of the same ballots relating to candidates for governor was perfectly legal and according to Hoyle.

Everybody else may understand the answer to this riddle perfectly, but I confess that it is too much for my muddled understanding. For the benefit of myself and other possible mullet heads who, like myself, may not be wise to the nice points in the rules of the political game, please elucidate.

Alexander, Kan.

In discussing this matter I wish to be perfectly fair. There is of course a temptation to load the unseating of Stanton onto the Democratic majority of the senate. The fact is however, that it was not a party vote that unseated him. The majority of the committee on elections which passed on the evidence and made its report favoring the unseating of Stanton was Democratic, but it was a unanimous report so that the Republican members of that committee must take their share of the responsibility.

The vote of the senate on the report stood, as I now recollect, 28 in favor of adopting the recommendation of the elections committee to 8 against. Four senators were either unavoidably absent or played the rabbit and dodged the vote. The 28 votes in favor of unseating Stanton were about evenly divided between Republicans and Democrats. The contestor asked that the votes of six precincts, Dunkirk, Breezy Hill, Yale, Curranville, Franklin and Baker in Crawford county be not counted. The vote in these six precincts stood 1,035 for Stanton and 287 for Porter.

It was claimed that in Dunkirk precinct the voting place was moved from the brick schoolhouse where it was advertised to be held to a hall something more than a quarter of a mile away and that no notice of such change was posted at the schoolhouse. It was also claimed that the polls were not opened until nearly 9 o'clock in the morning and that electioneering was permitted in the building and just outside of the building contrary to the law which requires that there shall be no electioneering within 100 feet of the polls.

It was also claimed that voters were permitted to take their ballots outside of the booths and mark them. Also that about 30 votes were cast by persons who were not entitled to vote. About the same charges were made concerning Breezy Hill precinct, Yale, Curranville, Franklin, and Baker. All told there were something like 180 votes cast in these precincts by persons who did not reside in the precincts, according to the claim of the contestor.

It was also claimed that other votes were cast by persons who were not naturalized citizens, also that



a joint was operated near by the voting place in one precinct.

The testimony concerning illegal votes is contradictory and confusing, but admitting all that was claimed by the contestor there were not enough illegal votes cast to change the result in these precincts. The testimony seems to show some irregularities also in the manner of holding the election, but it nowhere shows that any legal voter was deprived of the right to cast his ballot or that legal votes were not counted. To my mind, therefore, Mr. Stanton was entitled to hold his seat.

So far as the votes on governor were concerned, it is reported that Hodges had a majority of something like 60 votes in these precincts thrown out by the senate committee on elections and ratified by a vote of the senate. If the vote of these precincts was properly thrown out and if it is also true that Mr. Hodges had a majority of 60 in those precincts, then Mr. Capper should be governor today. However, there is no official record of these votes in this contest proceeding. I simply state what has been reported. Of course it would be possible to get the returns on governor from these precincts but I do not have them.

Mr. Walker asks for an explanation. About the only explanation I am able to give him is that Mr. Porter seemed to have the votes in the senate and Stanton did not have them.

#### PROPERTY RIGHTS OF WOMEN.

Editor Mail and Breeze—Having been interested in the discussion about married women's property rights I would be thankful for an answer to this question: A widow with children has a farm in her own name. If she marries can she will all the land to her children in case her husband outlives her or could he claim a share of the land? Or would a pre-nuptial agreement on his part not to claim any of the land be effective? B. R.

Under the laws of our state the wife would have the right to dispose of her individual property by will as she desired. In the absence of a will her husband would inherit half of her estate. A pre-nuptial agreement on his part to claim none of her property would be binding and effective.

#### LIMIT LAND OWNERSHIP.

Editor Mail and Breeze—In your answer to J. M. Allyn in the last Mail and Breeze, you say, "Theoretically, private ownership of land is hard to defend." You sure are getting right down to the facts of the case. The first 6 inches of the soil furnishes nearly all of the subsistence for mankind. He who is deprived of access to the soil is to a large degree deprived of his right of maintenance. Socialism in time may succeed and when it does the millennium will be here. The theory is right, but the class of men who are advocating it are largely wrong.

Socialism in its purity is for all things right and against all things wrong. Socialism through coercion cannot succeed. You have shown to me in your writings that you are largely a Socialist—in fact, all Socialists if we advocate pure Socialism. He who would try to force his views on another is not a Socialist.

Now a few words as to land ownership. Millions are yet to be born and they should not meet up with any conditions that would prevent them from owning homes of their own, if the system of land ownership is to remain. The babe born today finds a condition that is frightful. Real estate dealers have for years been living on his right to exist. Commissions have been piled up on the land until it is almost impossible for the young men to get homes of their own.

In Topeka, no doubt, there is property that has changed hands many times during the past 20 years and each time the agent has added his commission. I know of property in Wichita where the commissions alone are more than half the price asked for the property. So we find these commissions not being of value themselves and being added to the next price of the property, must come from the future generations.

Supposing you limit land for farming in this way: Let each farmer own that which by his own and the labor of his family he could properly work, and no more.

Baldwin, Kan.

Mr. Whitwam seems to think I am a Socialist. I might frankly say that I do not know whether I am or not. Avowed Socialists differ widely in their opinions as to what constitutes Socialism. One will inform us with a glib cocksureness, that Socialism means the collective ownership of the means of production and distribution. As there are no limiting words that would mean the common ownership of everything, for every form of property is embraced in the means of production and distribution. If that is a correct definition of Socialism, then I am certainly not a Socialist. I do not believe in the common ownership of all kinds of property.

Others who claim to be Socialists say that Socialism does not mean the abolishment of private property but only the common ownership of certain kinds of property. I have found that they differ considerably concerning what kinds of property should be owned collectively and what should be owned privately. Personally I am not very much concerned about terms.

There are certain things that I would like to see tried out in government, national, state and local. I am not very particular about the political machinery by which they are brought about and carried into execution just so they are brought about. It is immaterial to me whether the things I believe in are called Socialistic, Democratic, Progressive or Republican. What I want is results.

I think, in fact, that pattyism has done a great deal to retard progress, just as churchism has done a great deal to retard the progress of what I conceive to be the real spirit of Christianity. The man

who is tied to party becomes so illiberal and hide-bound that he would rather see progress stop than to see it brought about by any other party than the one to which he belongs.

I do not pretend to say that I am wise enough to find the answer to the tremendous problems that affect humanity, and while I freely admit that there are others who are vastly wiser than I am, I do not believe that any one of them is wise enough to find the answer now.

There are some things that I consider fundamental. I believe, for instance, that every child born into this world has the right to live and not only the right to live but the right to good living, an abundant life, physically, mentally and morally. I know that under present conditions every child does not have the opportunity to enjoy that kind of a life, and to the extent that it does not, conditions are wrong.

I believe that every child born into the world owes a certain amount of service. In other words, he should render an equivalent for the privileges of this abundant life that he ought to be able to enjoy. I know that at present some render no service for what they receive while others receive greatly less for the service they are compelled to perform than they are entitled to receive. I know that very often those who render the least service have the greatest privileges and live in the greatest luxury and idleness. To the extent that this unjust condition exists conditions are wrong and should be corrected.

I know that while in certain localities food, nourishing and desirable food, is permitted to go to waste, in other parts of the country people are needing that food and are unable to obtain it. This shows that we have a system of distribution that is tremendously defective and which must be righted before we have a right to say that we have arrived at anywhere near a perfect economic system.

I believe this world is capable of sustaining in comfort and even in luxury not only as many inhabitants as there are now living upon it, but many more, therefore in a reasonably perfect system there should be no such thing as involuntary poverty. When I say involuntary poverty I mean that no human being who is willing to render such service as he is capable of giving should ever be deprived of the reasonable comforts of life.

It may be that even under the best system that could be devised there would be some who would be unwilling to render any useful service and in such case the law; "He who will not work neither shall he eat" should apply. As it is at present those who work the least in many cases have the most to eat, the richest garments and the most costly dwellings.

I believe that our present methods of production and distribution are wasteful and inefficient compared to what they ought to be and that one of the great problems is how this waste shall be eliminated.

These problems are so vast, so far reaching and apparently so complex that I have not the temerity to say that I know the answer. I say apparently complex. And yet it is not unlikely that they are rather simple after all, if we only knew.

I have been fascinated as I watched the working of a powerful engine. It does its work with such ease and simplicity. But I would not have invented a steam engine if I had lived before there was such a thing and been permitted to live a thousand years. Such a machine would have seemed impossible to me and yet when other men with great inventive brains have built and improved the engine, even I can see that it is rather simple.

So it perhaps will be with the machinery necessary to right the wrongs and inequalities of society. When the real remedy is discovered we will wonder perhaps at the simplicity of it.

### Truthful James

"Speaking of goats," remarked Truthful, "I have had considerable experience with 'em. The goat is not a bad sort of animal at all. I like goats. About the worst you can say about a goat is that he doesn't seem to have any discrimination when it comes to a matter of appetite.

"The object of the goat is to fill up. It doesn't so much matter what he fills up on, just so it fills. That sometimes gets a goat into trouble. Once I had a pet billie goat that ran around the house and yard and pastured on everything that he could bite off. I had made one of the children a Christmas present of a small music box that could play three tunes—Annie Laurie, God Save the Queen and Nearer, My God, to Thee.

"The children left the little music box out on the porch one day and the goat saw it and concluded that it was something to eat. He chewed a while on it and finally swallowed it. Don't know just how he managed to get it down, but a goat has a great swallowing capacity. Well, after an hour or two I came out and found the goat feeding on a shirt of mine that was out on the line and picked up a board and slammed that goat with it. I was out of patience, as that was the third shirt of mine the goat had chewed up.

"Well, I reckon the jar must have started the works in that music box. The goat commenced to give out the sweet strains of Annie Laurie. I was surprised

and I could see that the goat was, too. He backed off and looked at me as if he wanted to say, 'What have you started now?' Then the tune seemed to affect the goat. When it came to the wind-up where the faithful lover declared that he would lay him 'doon and dee' I could see tears running down the cheeks of that goat.

"Then the machine started off on the next tune, 'God Save the Queen,' and I saw a change come over the countenance of that goat. He had been born under the Stars and Stripes and was full of patriotism. He recognized the fact that this was a British tune he was playing and it worked him into a high state of excitement and indignation. He laid it onto me in some way and before I had time to realize what he was about he backed off and came for me. I jumped just in time to get out of his way and he hit the side of the house so hard that he broke his neck."

"But one of the saddest cases of hard luck for a goat occurred when I was living in southwest Arizona. I had bought two or three bushels of popcorn and a goat that was running round the neighborhood got into it and ate about half a bushel. That was a hot summer, anyway, and that happened to be the hottest day in the summer. The goat seemed to be well satisfied with his feed for a while, but as the sun got hotter and hotter I saw that he was getting uneasy.

"Then I saw a look of pain pass over his face and noticed that he was beginning to swell. He kept on swelling and swelling till he looked as big as a yearling calf and finally he exploded. Yes, sir, blowed clean open. When I went to see what was the trouble I discovered that it had got so hot that the popcorn had popped inside of that goat and you can imagine what that did to him.

"You see, a grain of corn after it is popped will occupy at least six times as much space as before it was popped and that goat had 4 bushels of popped corn inside of him. Of course he couldn't hold it—just had to explode."

### THE LIQUOR BUSINESS IS DOOMED

The Webb bill to prohibit the interstate shipment of liquors for unlawful purposes is the first serious attempt by the federal government to afford some measure of protection for states like Kansas which have banished the legalized liquor traffic. It is not only an act of justice to prohibition territory but it is epoch-making legislation because it is the first time in the history of this country that congress has shown the slightest inclination to stand behind the people in their determination to rid themselves of the drink evil.

President Taft's veto of the Webb bill was one of the greatest blunders of his administration. It seems as if the "constitution" has been invoked to shelter every piece of rascality and criminality at the national capital in the last 50 years. However, the most progressive men at Washington, whom the country is indebted for this splendid law, have no doubt about its constitutionality. My own opinion is that it will be upheld on the modern principle that the people are to have the benefit of the doubt in carrying out reforms which they themselves want and which the better element of the nation knows full well should be adopted.

The growing opposition to the saloon as shown by the enactment of far-reaching legislation like the Webb bill is not founded on sentiment. It has become a matter of business common sense. This great movement against the liquor traffic is not based on emotionalism and fanaticism, but on the great truth that the saloon is a liability and not an asset; that it is a menace to morals and business, and that in the economy of the individual and the community there is no place for this destructive business. And that, too, is why prohibition has become the permanent policy of the state of Kansas.

The railroads, the manufacturers, and all the great forces in the business world have discovered that the saloon everywhere and always hurts legitimate business. They have found that alcohol overtops all other causes combined in producing inefficient labor. Science has demonstrated beyond question the disastrous effects of alcohol on the human body. The business man, the moralist, the scientist and the physician have concentrated their fire on the drink evil, and its doom is sealed.

I am glad that Kansas was one of the first states to take an aggressive stand against the saloon. There is not one single argument that can be used in favor of the continuation of the liquor business in this or in any other state in the Union. Had the liquor traffic been abolished in the United States for the last 12 months, the very latest statistics show that there would have been at the end of this year over 5 billion dollars more of wealth in our land than there is today—to say nothing about the long train of misery, disease, disaster and death which follows alcoholism. The liquor traffic is the enemy of man, the enemy of the state, the enemy of the nation. The greatest asset of a nation is not its factories, nor its mills, nor its commerce; it is its manhood—and the liquor traffic strikes at manhood.

But the liquor traffic is doomed.

*Arthur Capper*



# UTAH'S ALFALFA WEEVIL MUST SOON REACH KANSAS

If not already present in this state the destructive alfalfa weevil of Utah may appear in Kansas alfalfa fields at any day or hour. It is certain to reach Kansas sooner or later by way of the railways. George A. Dean, entomologist for Kansas Agricultural college, has issued a warning to Kansas farmers to be on the watch for it, that the beetle may be prevented from gaining a foothold in this state.

This description of the beetle is given by Prof. Dean:

"A small, oval, dark-brown snout beetle marked with black and gray hairs, giving them a mottled appearance; about three-sixteenths of an inch long, attacking alfalfa in Utah, the adults feeding on the stems, leaves and buds for several weeks. The larvae are small, footless, alfalfa-green worms with a black head, about one-fourth of an inch long, and feed in the stalk, in the leaf buds, and on the leaves. They have the habit of feeding and resting in a curved position."

"We do not know that this serious pest has entered Kansas," says Prof. Dean, "but as there are millions of the beetles in the infested district of Utah, and since they have been found in considerable numbers in freight and passenger cars coming from the infested regions of Utah—cars which are constantly traversing the alfalfa fields of Kansas—it probably is only a question of a short time until the weevil will be distributed in the alfalfa fields of Kansas. It is, therefore, highly important that our alfalfa growers be on guard. Just as soon as this insect is discovered, the entomologists of the Kansas State Experiment station

**Its Presence Should be Reported Immediately to G. A. Dean, Kansas Agricultural College at Manhattan**

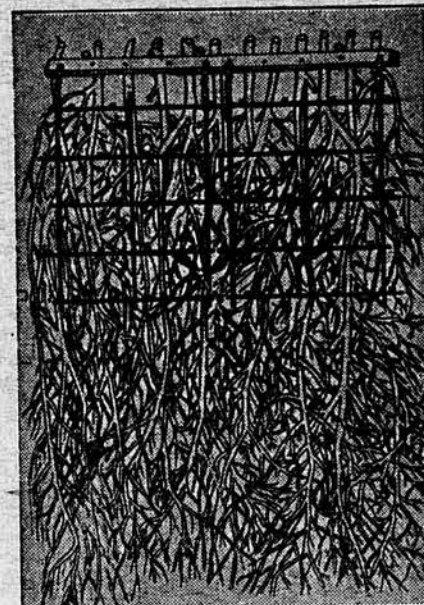
should be notified in order that prompt measures for its control and destruction may be put in operation at once."

Although methods of control have not been satisfactorily determined, Prof. Titus, entomologist of the Utah Experiment station, has made extensive experiments with various methods. In summarizing the methods of control he says:

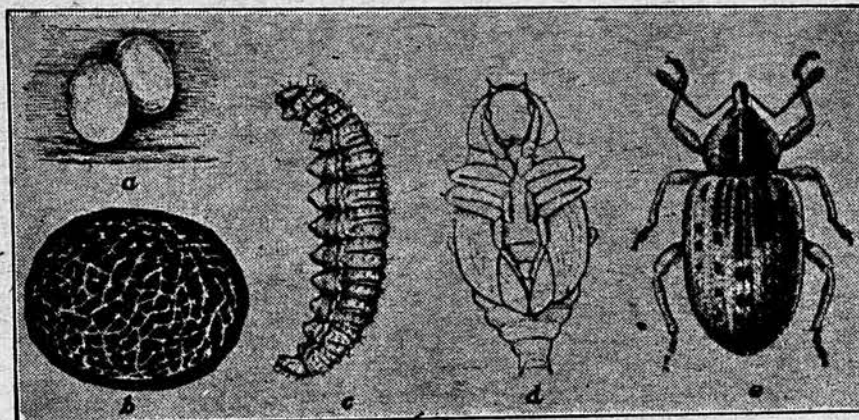
"Alfalfa should be disked in early spring to stimulate it to better growth. The first growth should be cut when most of the eggs have been laid (middle of May in Utah) and then brush-drag the field thoroughly. Fields should be brush-dragged again after the first crop has been cut. All weeds and rubbish should be cleaned from the field, yards, ditches and fence rows, so that there will be less opportunity for

This makes a very even weight, at the same time it is so flexible that the drag will work its way down into the small depressions as well as over the larger elevations of the field.

The brush drag knocks the larvae feeding on the stubble to the ground, where it mangles many of them and suffocates others by the dust stirred up, and tears up the cocoons that are on the plant and on the ground. If the brush drag is built right, there will be parts of the brush tearing through every crown of alfalfa in the field and stirring up the soil sufficiently to cause a dense fine dust in which many of the younger larvae are suffocated and which the older ones find it very hard to crawl through to reach the plants, many of them perishing in the heat of the sun.



Brush-drag (After Titus, Utah Experiment station), one of the most effective means found for combatting the alfalfa weevil in Utah.



The alfalfa weevil; a, eggs; b, cocoon; c, larva; d, pupa; e, adult—all much enlarged. (After Webster, U. S. Dept. Agr.)

the weevil to find winter shelter. Alfalfa should not be allowed to grow more than seven or eight years in the infested districts."

A brush drag is recommended by Prof. Titus. "Many patterns of the brush drag are in use," he says, "but the one which seems to be the best for our work is made by laying the butts of rather short brush, 5 or 6 feet long, in a row on a plank 12 or 14 feet long. Then another row should be laid upon the first, consisting of longer brush, with the butts trimmed a little further back so that you will have in effect two brush harrows, one following the other. Another plank should then be laid on the brush-butts and bolted to the under plant. In weighting this harrow, lay an ordinary tooth harrow, with the teeth down, directly on the brush drag.

The alfalfa weevil is a native of Europe, Western Asia and Northern Africa. It was first noticed in America in an alfalfa field near Salt Lake City, Utah, in 1904, but it was not brought to the attention of the Utah Experiment station until 1907. It has been increasing and spreading until now it is in several counties in northern Utah, and has moved into Wyoming and Idaho.

The insect passes the winter as an adult beetle hibernating in the crowns of the alfalfa plant, in under thick grass, weeds, rubbish and leaves, in hay or straw stacks, in barns where hay is stored, or in any well sheltered places available at the time they are going into hibernation. In the spring as soon as the alfalfa is started sufficiently to furnish food, the beetles

emerge and attack the young plants. About April the females begin laying their eggs in the stems or on the buds and leaves. This continues until early July. In the early spring, while the plants are small, the females often push their eggs down between the leaves or into the bud, but the usual method is to insert them in punctures made in the stem. This puncturing of the stem often seriously injures young plants. In about 10 days the eggs hatch and the young larvae, at first white but soon turning to an alfalfa-green, feed in the stems and the buds and on the leaves. They attack the young leaves and crown so that a badly infested field will not make a sufficient growth to be mowed. The larvae do not have true legs and when full grown are from 1/4 to nearly 1/2 inch long. When full grown, which is from 50 to 60 days after hatching, the larvae crawl or drop to the ground and spin around themselves a cocoon composed of a network of rather loose white threads. This cocoon usually is among the dead leaves or rubbish. The insect remains in the pupal stage from 10 to 14 days and then the beetle emerges. The adult feeds on the stems, leaves and buds until autumn or their hibernating time. Prof. Webster of the United States Bureau of Entomology says, "The entire life of the insect, from the deposition of the egg to the emergence of the adult, may be from 40 to 70 days, while the beetle itself may live, including the winter, from 10 to 14 months."



Alfalfa weevil, adults, clustering on and attacking sprig of alfalfa—beetles shown here at two-thirds natural size. (After Webster, U. S. Dept. Agr.)

## FEED CROPS IN WEST KANSAS

BY H. WILLIS SMITH

Garden City, Finney County, Kansas  
Written for Farmers Mail and Breeze.

FOR the last six years I have been carrying on some experiments with feed crops out here in the sands of southern Finney county that may be of interest. I find cowpeas make a very good crop if one can secure a good stand. But I have never been able to get a good stand that was not damaged in its early stages by grasshoppers, heat, or shifting sand. The only satisfactory crops I have raised were grown near the farm buildings where the poultry could keep down the hoppers. But the fowls were less considerate in the fall and would devour the peas. However, so long as they left my seed I did not complain. I have never fed a grain that produced as many eggs as cowpeas.

I have made comparisons between 8 or 10 different varieties for several seasons and find the best to be the Giant Blackeye, not the little Early Blackeye. The Giant variety grows rapidly

during its early stages and so gets away from insects and shifting sand in a much shorter time. The second best variety is the Groit, a hybrid of the Whippoorwill and New Era. It is more productive and more vigorous than either of its parents. It makes an immense bushy growth, and where plants stand alone they will often have a spread of 4 to 5 feet.

After the grass and sagebrush have been completely subdued I find it is disastrous to plow. Listing is also undesirable. I have grown my best cowpea crops where the old trash was cut with a disk and left on top. I plant with a surface planter that has a special point which cuts a V-shaped groove 4 or 5 inches deep. The seed drops into this groove so that the kernels will

rest against solid, moist earth on both sides. The groove is filled and packed by the wheels of the planter. Seeds need to be planted quite deep in these sandy soils as the ground will soon dry down far enough to kill the plants before they are established.

What is true of cowpeas is true of other crops. Those that grow rapidly during their early stages make the surest and most permanent stand. Corn is surer to make a stand than Dwarf milo and Kafir, but the latter will stand the drouth much better. I have one variety of tall milo with erect heads that grows nearly as rapidly as corn in early spring. This variety will produce a great deal of storage if cut before the grain forms, but is too hard and woody after the grain sets. It is

drouth resistant, but will not make so large a grain crop as the Dwarf milo.

Sudan grass is a promising perennial here. Sorgho corn has proven to be the best grain sorghum we have. It was produced by crossing Kafir and Amber sorghum. The forage is very good and the heads are erect, while the Dwarf milo yields comparatively poor forage and many heads are pendant, which are a nuisance in harvesting. Sudan durra promises well.

I have never been able to get Sweet clover to grow on the sand, but have a little patch on hard land that has passed through the last four seasons successfully.

Stock melons, especially the sweet varieties, are far the surest and cheapest feed I can grow. I let cattle run on them last fall until January 1. These cows and young cattle had no water for 10 or 12 weeks. One cow that had been milked for 18 months gave more milk the first half of De-

(Continued on Page 38.)



## What the Legislature Did For Kansas Agriculture

(Continued from Page 3.)

including the Agricultural college, State University, state normal schools, schools for the deaf and blind, and all auxiliary or branch schools and experiment stations, under one board of three members, appointed by the governor, for four-year terms, to be known as the state board of administration. Its members must give their entire time to their duties as prescribed by law, and the present boards of regents of these institutions will cease to exist. This method of managing the big schools is in many respects theoretically admirable, being intended to bring about harmony, economy and efficiency, and prevent duplications of courses and expenses.

The members of this board, E. T. Hackney, Cora G. Lewis and E. W. Hoch, already appointed, will each receive salaries of \$3,500 per year.

### What Is an Island in Kansas?

A measure calculated to obviate the so-called "squatter" litigation along the Arkansas river is now a law. Under the decision of the supreme court the Arkansas river was declared a navigable stream within the meaning of the law and islands in that stream declared to be school land and the property of the state. Squatters have filed on tracts clearly not islands, under the frequently accepted definition of the word "island", but instead of being islands these lands were merely accretions deposited adjacent to other land by the river water. The filings were made on the theory that these accretions were really island land or had been so at some time, and were, therefore, school land and subject to entry as such. The new act defines what an island is, and specifies that to be an island in this sense it must be entirely surrounded by the current of the stream at low water mark. If it has not been so surrounded at any time within 20 years it is to be regarded as a part of the main land and not subject to entry as school land. The law of course pertains to islands in all so-called navigable streams in Kansas, but applies

### IN A SHADOW

#### Inveterate Tea Drinker Feared Paralysis.

Steady use of either tea or coffee often produces alarming symptoms as the poison (caffeine) contained in these beverages acts with more potency in some persons than in others.

"I was never a coffee drinker," writes an Ill. woman, "but a tea drinker. I was very nervous, had frequent spells of sick headache and heart trouble, and was subject at times to severe attacks of bilious colic.

"No end of sleepless nights—would have spells at night when my right side would get numb and tingle like a thousand needles were pricking my flesh. At times I could hardly put my tongue out of my mouth and my right eye and ear were affected.

"The doctors told me I was liable to become paralyzed at any time, so I was in constant dread I took no end of medicine—all to no good.

"The doctors told me to quit using tea, but I thought I could not live without it—that it was my only stay. I had been a tea drinker for twenty-five years; was under the doctor's care for fifteen.

"About six months ago, I finally quit tea and commenced to drink Postum.

"I have never had one spell of sick headache since and only one light attack of bilious colic. Have quit having those numb spells at night, sleep well and my heart is getting stronger all the time." Name given upon request.

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

Instant Postum is convenient; there's no waste; and the flavor is always uniform. Sold by grocers everywhere.

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

particularly to the Arkansas river, because flood waters from the mountains, and the sandy nature of the river bed and abutting lands, subject riparian owners there to changes in boundaries that may in a single season either increase or decrease their holdings. The law is designed to protect the rights of bona fide owners.

### New Stallion Registration Law.

A new stallion registration law provides that the owner of any stallion offered for public service in the state must first secure a license from the Kansas state livestock registry board, at Manhattan, composed of the heads of the departments of agriculture, animal husbandry and veterinary science at the Agricultural college. Licenses for four kinds of stallions will be issued, to-wit: Purebred, crossbred, grade, and scrub, and the law defines each. The license fee is \$2 and an annual renewal is \$1. Every bill, poster or advertisement shall proclaim the facts set forth in the license, and no stallion may be advertised in any manner as sound until a certificate of soundness has been issued by the registry board, although an examination is optional with the owner of the stallion. Transfer of ownership must be recorded with the registry board, and a 50-cent fee paid therefor.

### Motor Vehicles Taxed For Roads.

A motor vehicle law requires an annual registration fee of \$2 on motorcycles and \$5 on automobiles, to be paid to the county treasurer, \$4.25 of the fees on automobiles and \$1.50 of fees on motorcycles, to go to the county road funds for the maintenance of roads only, the remaining sums of 75 and 50 cents respectively going to the state treasurer for use by the secretary of state, who shall provide the number plates and license certificates. Change of ownership must also be recorded, the cost of which will be \$1. This law specifies lawful speeds under various conditions and certain rules of the road that must be observed.

### For Honest Foot Wear.

As the farmer is a liberal buyer of footwear he will be interested in knowing that a year hence he may buy shoes and boots that if not made of leather must bear a stamp or notice telling what substitutes were used in their making.

### To Prevent Soil Drifting.

Counties of less than 10,000 population are now authorized to devise methods and means to prevent the drifting of soils, which in some portions of western Kansas, and especially as in Thomas county last year, has become quite a serious problem.

Under certain conditions purchasers of school lands may renew their right to retain land wherein their interests have been forfeited, as provided by House Bill 209, now a law.

Scales for the weighing of livestock must be provided by the railroads at every station from which at least 50 carloads of animals are shipped yearly.

### For Dragging Roads \$15 Per Mile.

A measure that will become law, abolished the fee system in county offices and placed county officials on a salary basis, and another authorizes as a maximum the payment of \$15 a year per mile for dragging country roads.

Prisoners at the state penitentiary may now be employed upon the public roads of Kansas as well as upon the streets and alleys of the cities. On written request of a majority of the board of county commissioners the penitentiary warden shall detail not to exceed the number of men asked for.

A statewide dog tax law will be in effect on publication in the statute book. Under its provisions all dogs are taxed, the males \$1 per year and the females \$2. All money derived from

this source shall be credited to local school districts.

### Saved the "Bridge Trust".

In the last hours of the session the senate and house were unable to agree as to whether grain inspection should be optional or compulsory, and the bill calculated to remedy the defects of the present law consequently failed of enactment. In reference to this Governor Hodges is quoted as saying, "We needed a compulsory grain inspection law and needed it badly. At present the Kansas shipper is the victim of the Kansas City board of trade and will be until such a law is passed." The bill intended to put the so-called "bridge trust" out of business was also killed at the closing session of the senate.

### State Taxes Tend Upward.

As the farmers pay by far the greater part of the taxes, they will be interested in the information that state taxes can scarcely be lower than in the preceding two years. From figures available at this time, before the exact amount is known, it appears that the 1913 legislature appropriated approximately a half million dollars more than did its predecessor, and it is questionable if the new revenue measures—the corporation tax law, the moving picture censorship and the sand bill—will produce enough money to off-set the excess appropriations of \$500,000 and the \$250,000 loss sustained by the repeal of the inheritance tax law.

### A Silly "Saving" in Stamps.

Like all legislatures the one just adjourned was liberal and broad-gauged in many directions, and in a few petty and parsimonious. As an example of the latter, and possibly on the theory that those who till the farms and produce the wealth of Kansas have in the past been allowed too much from the public funds, the postage heretofore appropriated for correspondence of the state board of agriculture and the mailing of its quarterly reports was reduced one-half. This will amount to a total saving in the taxes of each farmer of more than one-fourth of a cent annually, and suggests to that extent a careful safeguarding of the funds the farmer contributes to the public weal. Although he may fail to receive the accustomed quarterly, if his tax receipt brings him the tangible evidence of such watchfulness and zeal in his behalf his heart must indeed palpitate in a glow of appreciation to which it had before been a stranger.

### Wisely Liberal To Western Kansas.

The foregoing probably enumerates the principal enactments of the 1913 legislature affecting our agricultural interests. No legislature appreciated and responded to the necessities of western Kansas more liberally, and its action is heartily to be commended. The state has apparently awakened to the opportunities that may be opened up in that region by its reasonable co-operation.

### Money in a Bunch of Steers

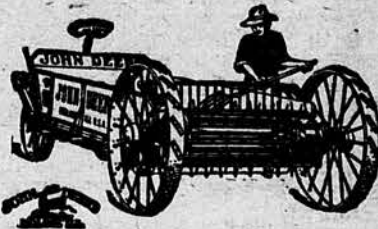
For some time, C. F. Hockins has been raising a few good cattle every year on his farm near Arrington in Atchison county, and finds they pay out well, though sometimes he finds it advisable to sell them as stockers. On March 11 he had 32 head of stock steers in Kansas City, which weighed 666 pounds each at the stock yards, and sold at \$8 per hundred. It was the highest price Mr. Hockins ever received for cattle in that stage. The little bunch brought him \$1,704. These days there is a good profit on farm-raised cattle at every and any moment of their existence.

### Overlooked the Bunghole

The failure of the Kansas legislature to enact a pure seed law is an example of economizing at the spigot and wasting at the bunghole. For every dollar so saved the farmers of Kansas and the state will lose a thousand in the next two years. To make the law effective it was necessary to appropriate a few thousand dollars and the legislature couldn't see that this expenditure meant a great saving to a state which spends 6 million dollars a year for seed.

## JOHN DEERE SPREADER

The Spreader with the Beater on the Axle



Mounting the beater on the axle is the greatest improvement in manure spreaders since their invention. It has made the John Deere Spreader possible. This feature is fully patented and cannot be had on any other spreader.

### Simplest and Strongest

A great many trouble-giving working parts have been done away with. There are some two hundred less parts on the John Deere Spreader than on the simplest spreader heretofore.

The John Deere Spreader has no clutches, no chains, no adjustments. It does not get out of order. Is always ready for business.

The strain and stress of spreading is on the rear axle, the strongest part of the spreader—where it belongs—not on its side.

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

### Only "Hip-High"

The John Deere Spreader is only "hip-high" to the top of the box. The first three feet you lift manure are easiest of all. It's hard work from there to the top of ordinary spreaders.

You lift each forkful only three feet with the John Deere Spreader. Wheels do not interfere with loading. The entire side of the

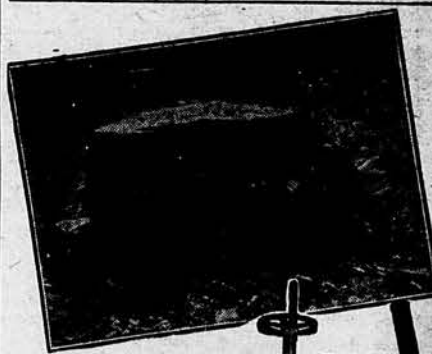


spreader is available for that purpose.

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

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SALINA, KANSAS



# Ways=Means=Results

Worked Out by Mail and Breeze Readers

## [A Corner Post Without Braces]

Mr. Editor—For a good corner or gate post I select a sound 10-foot post and set it in a 4-foot hole 3 inches larger all around than an ordinary post hole would be. A mixture of 1 part cement to 3 parts sand is then tamped in dry but moistened every now and then. Such a post will need no braces. Telephone poles may be set in the same way.

J. H. Sherrard.

Beloit, Kan.

## In Favor of the Two-Row Disk

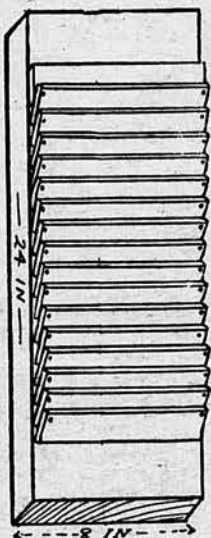
Mr. Editor—The double row lister cultivator is the most practical weed-killer in use here. Each section is composed of two disks, two furrow shovels, and two ridge shovels. The first time through we set the disks to throw the furrow well out. It takes all the weeds that grow on the edges of the furrows about 3 inches on either side of the corn. The second time through the corn we turn the disks to throw the earth to the corn, thereby taking the weeds along the edges. This time we put the ridge shovels on, which take the weeds on the ridges, leveling the field. This cultivator can also be used for laying corn by, but we always use a double row planter cultivator for this purpose.

L. E. Bratthauer.

R. 1, Ainsworth, Neb.

## Hand Sheller For Seed Corn

Mr. Editor—I have a device for shelling my seed corn that I find very useful. It is made of



pieces of lath 8 inches long, and an inch board 8 inches wide and 2 feet long. I nailed the first lath flat on to the board, then overlapped the others as shown in the drawing. A space of about 6 inches is left at each end of the board. This makes a kind of washboard which is put into a tub or box. The ears of corn are rubbed up and down over the surface and three or four strokes will shell an ear. In this way I can shell corn much faster than by hand and it does not injure the kernels as will a Lurr sheller.

William Broadhurst.

Oxford, Kan.

## Meat Meal as a Protein Feed

Mr. Editor—In a recent issue of the Mail and Breeze Mr. Hatch spoke of feeding tankage, oilmeal and shorts to hogs. He says his hogs don't seem very enthusiastic over tankage. If he will try meat meal he will find no lack of enthusiasm on the part of the hogs. He will either have to shut the hogs out of the pen while feeding, or carry a club to keep them from running over him.

As to shorts and oilmeal, why pay \$4.40 for 60 pounds of protein in shorts, or \$4 for the same amount in oilmeal, when you can get protein in meat meal at \$2.45 for 60 pounds? Meat meal is always fed dry and is therefore more easily and quickly handled than slop. It doesn't smell as badly as tankage, and you can get better results from the same amount of money than you would from shorts or oilmeal.

D. A. Woodman.

Netawaka, Kan.

## Silage Good as Grass For Hogs

Mr. Editor—In 1909 I built the first silo in the neighborhood in which I live. Three others were built in the same locality that year and at the end of three years 28 had been built in a radius of 8 miles. Of these, 26 are stave silos and two cement. During these three years I have fed silage to

all farm stock. As a feed for horses, cattle and sheep there is nothing better. For hogs it is as good as grass. Although statements have been made that silage is not good for horses I believe there is no more danger in feeding it to them than to cows. Our horses and cows stood with their heads to the same feedway and the silage was scooped in to both alike, but we never had a sick horse from it. However, we have never had any spoiled silage, as there is not much danger of this in a stave silo.

I would like to ask why the Kansas Agricultural college will send out a man to oversee the construction of cement

harder. When the collar gets too large you resort to the "sweat pad." A "sweat" pad causes the shoulders to sweat and galls them and thus begin your shoulder troubles. I think the sweat pad in summer is an abomination and should be taken charge of by the humane society. How would you like to be compelled to go about your work when the thermometer registers around 90 degrees, with a heavy scarf about your neck?

The thing to do is to get your horses' necks fitted with what are called "plow collars," either an entire canvas collar or canvas face and leather back. Get those closing at the top as the ones closing at the bottom are not nearly as satisfactory. These collars should be bought at your local dealer's at from 90 cents to \$1.25 each. Being softer and more pliable they will fit the horses' necks better later on in the



In his letter on this page Mr. Bratthauer says this form of the two-row lister disk does clean, rapid work in the early cultivation of corn and is preferred in his neighborhood as a weed-killer.

silos but never offer its services in building any other kind. It seems to me that if the farmer wanted to build a pit silo, a stave, or any other kind he should be entitled to the help of the state the same as if it were made of cement.

F. W. Gibson.

Lawrence, Kan.

[I have never heard of the Agricultural college refusing help in building any kind of silo where the usual terms were complied with. To properly put up a cement silo is a more particular job than to set up one of staves, or to dig one in the ground—Ed.]

## No Use For the Sweat Pad

Mr. Editor—Many a farmer is being persuaded by his harness maker to buy collars for his horses, at \$3.50 to \$4.50 each, and being told that such a collar will prevent sore shoulders if kept soft and pliable by being oiled once a week and kept clean. How many farmers take the time to do this? Even if they do the collar will not fit next summer as it does now, because your horse will naturally get poorer as the weather gets warmer and the work

season and if they do not fit properly it will not cost much to get a new one for summer wear. Whatever you do, never use a sweat pad on a horse in summer.

A. C. Dannenberg.

Grand View Farm, Hiawatha, Kan.

## Corn on Summer Listing

Mr. Editor—I have been very successful in planting corn on ground listed the summer before, directly after harvest. I do this listing east and west just as soon as the wheat or oats are off the ground, running the subsoiler 2 inches deep. I let the ground lie this way until about April 10 to 15 when I plant with a 1-horse lister drill. As soon as I get through planting or as soon as any weeds show up, I give the ground a light cultivation, usually with a John Deere two-row disk.

In planting corn this way the furrows are open in winter and the ground will freeze much deeper than otherwise. The rows also catch the drifting snow which adds considerable moisture through a winter. The sun warms the ground and starts the young corn off faster than if planted in cold, newly-

listed furrows. Corn was very poor in this locality last year, but my corn planted this way made fully 10 bushels more per acre than that listed in the spring. I have tried several varieties of corn, but have always found the large white to yield much better and stand more dry weather than the other kinds. As to feeding qualities, I find that cattle like the yellow corn a little better, as it is easier for them to chew, being softer.

H. K.

Canton, Kan.

## Cholera Got His Mulefoot Hogs

Mr. Editor—As cholera has been very prevalent here for several years I was induced to try the Mulefoot hog on a guarantee that this breed was immune to cholera and a hardier animal than our ordinary breeds. But they contracted the disease just as quickly and died as readily as the rest of my herd. How about the guarantee, you ask? I had to prove that the disease was really cholera. As the hogs had not been treated by a state veterinarian and no autopsy held, I was unable to show this proof. All I know is that the hogs died, and that cholera, swine plague or whatever term this disease may be known by, killed them. I paid well for my experience and hope it may keep someone else from making the same mistake.

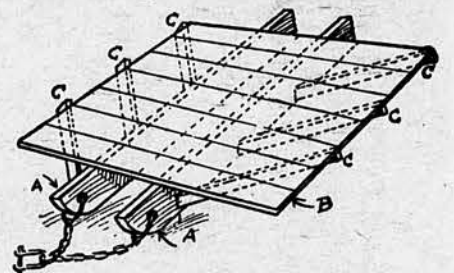
R. 1, Troy, Kan.

J. F. Moser.

[The claim which used to be made for the Mulefoot hog, that it was immune to hog cholera, is now generally acknowledged to be fallacious.—Ed.]

## Sled For Working Listed Corn

Mr. Editor—This sketch shows a homemade sled which we use for working listed corn the first time over. The runners are of 2 by 8 plank, 6 feet long. They are placed 8 inches apart and a solid floor nailed over them. The floor is wide enough to reach to the middle



How the Sled Is Put Together.

of the ridge on each side. Six 2 by 4s are then nailed from the base of the runners to the outer edge of the floor on either side. These are placed in a position at right angles with each other. This sled can be made in a few minutes and you will find it both useful and practical.

W. C. Adkisson.

R. 2, McFall, Mo.

## Making Low Wheels For a Wagon

Mr. Editor—In a recent Mail and Breeze Ed Kraus tells how he rebuilt an old wagon. We have a plan that we like better than his. We make our wheels about 24 and 30 inches. We take our tires to the blacksmith and have them cut about 3 inches longer than we want them. Instead of welding them, we have a

lug turned in on each end (see drawing) about 1½ inches, a ½-inch hole is drilled through each and a machine bolt 2½ inches long put through. Turn the burr on enough to hold well, lay the tire on the wheel, get the average length of the spokes and cut them off the same length, being sure to cut them square with the tire so they will fit, put on the tire and draw up the bolt. Get wagon box rivets and washers to fit and bore a hole through the spoke close up to the tire. Put in the rivet, put on the washer and rivet down close. Keep the bolts tight. It is a good plan to put on two burrs or check the threads a little. Should the bolt be too long, wrap a small wire around the lugs, take out the bolt and put in a shorter one.

Norton, Kan.

T. H. Faucett.

## Chinch Bug Situation Alarming

Following the report of H. H. Rodman, a Sedgwick county reader of the Mail and Breeze, that two weeks ago he found chinch bugs from top to bottom of every cornstalk he examined in his neighborhood, comes a count of 5,000 bugs found in a single clump of grass in the Kaw Valley by J. W. McCullough, an entomologist of the Agricultural college.

Harrison Smith, an expert of the U. S. department, sent to Kansas to report on the methods followed and results obtained by the Cherokee County Anti-Horse Thief association on its "Chinch-bug Day", estimates the mild winter has killed not more than 5 per cent of the bugs. Unfortunately the program of the A. H. T. A., for a Chinch-bug Day in Cherokee county, was interfered with by a snow storm.

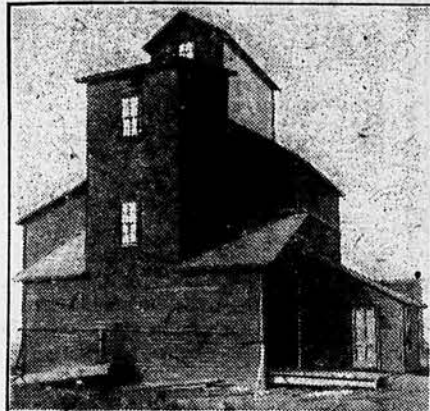
The State Experiment station of Indiana, Arthur Goss, director, has just issued a chinch-bug warning to the farmers of that state. Altogether the situation in regard to the chinch-bugs is very disquieting. Spring will soon make it impossible to burn over the dead grass the roadsides, and the fence corners, which is all the more reason for taking instant advantage of any last opportunity the weather offers.



## Equity Plans For Kansas

### A Line of Farmer's Exchanges Organizing

Mr. Editor—The Farmer's Equity Union is organizing a strong company of brave sturdy farmers at every station on the Rock Island in Kansas from Pratt to Texhoma. When fully organized we shall have from 100 to 200



Farmers' elevator recently built by the Farmer's Equity Union at Liberal, Seward county. It is proposed to make it one of a chain of 20 on the Rock Island from Pratt, Kan., to Texhoma.

good soldiers in each company with intelligent officers to control and direct.

As the women and children are included as special members, we shall have

ish enough to undertake a conflict in business.

By hard work and a continual campaign we hope to have 20 fortifications established at 20 stations on the Rock Island in the next two years if crops should be fair, and we want inscribed on each fortification (town name) Equity Exchange. This line of Equity Union exchanges or fortresses will be 200 miles long. The 20 exchanges will co-operate in selling millions of bushels of fine grain, and in buying coal, flour, feed, twine, fencing, wagons and farm machinery.

We shall have co-operation of the many for the many. We shall turn our guns on the enemy. We will engage him all along the line at once. He will not be able to hold prices down at one place and up where there is a Union. We are determined to put a co-operative fortress at every good market in western Kansas if we live long enough. Note the picture, in this issue of Liberal's fortification.

We want to extend the line on the Rock Island clear into Kansas City. We ask every farmers' elevator company to fall in line on the Rock Island with the Equity Union and become a fort in our line of fortresses.

We are also making a start on the Santa Fe west of Dodge City and hope to have a line on that road equally as



Farmer's Equity Union of Liberal, Seward county, which has just built an up-to-date grain elevator at Liberal. The Liberal Union is to be one of 20 on the Rock Island which will co-operate in selling grain and buying coal, flour, feed, twine, fencing, wagons and machinery.

a regiment of from 500 to 1,000 food producers, at each market, all reading a paper that teaches "Golden Rule Co-operation," all meeting finally in their beautiful Equity Union Hall the first Saturday of each month and uniting in their efforts to promote the intelligence, morality and fraternalism of each member and make them Golden Rule co-operators. This well organized regiment of men, women and children at each town, will be a power to be reckoned with. Mr. Speculator, Mr. Profit-Taker and Mr. Gaffer will find this a hard bunch to contend with, if they are fool-

long and strong as the one on the Rock Island. One hundred Equity Union Exchanges co-operating together in buying and selling can save 1 million dollars annually for their members. This is a low estimate.

Let all those interested send 10 2-cent stamps for the Equity text book which explains fully our plan of co-operation. It will unite 90 per cent of the farmers at any good market when fully carried out, and keep them united.

C. O. DRAYTON.

National President, Farmers' Equity Union, Liberal, Kan.

## To Learn How Europe Co-operates

### The Government to Aid a Commission

AN OFFICIAL press bulletin from Washington says, "It looks as if next fall a nation-wide campaign will be made in the interest of the co-operative movement among American farmers as a means to increase agricultural production and lower the cost of living."

To bring this result about it will be necessary at the same time to increase the profit or reward of the man who does the farming. The only way they have been able to do this in Europe has been through farmers' co-operative societies.

W. J. Bryan, the new secretary of state, has instructed the government's diplomatic officials in Europe to secure special courtesies for the American com-

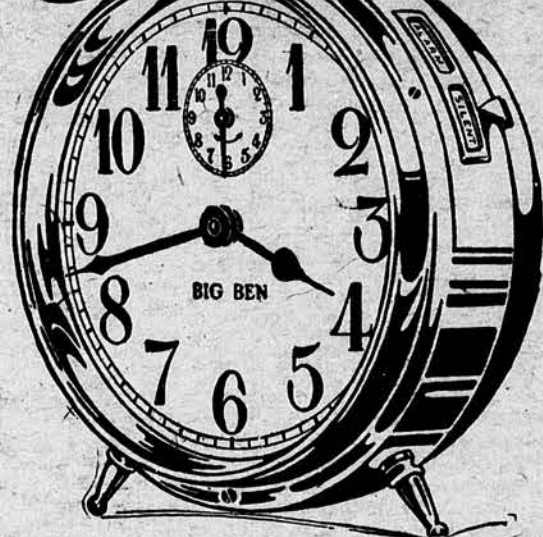
mission of the Southern Commercial congress, which is to visit Europe this spring to make an investigation of rural credit systems. This gives the commission standing as a semi-official body and will be of great advantage to it in Europe. Its findings are to be reported to congress.

In his instructions Secretary Bryan points out that congress has appropriated \$25,000 for the expenses of several commissioners, who will be appointed by President Wilson, to co-operate with the American commission. No salaries will be paid to these commissioners.

Co-operative credit is only a part of the immense system of co-operative organizations which has spread all over

(Continued on Page 11.)

# Big Ben



## Big Ben—Two Good Alarms in One

Take your choice in Big Ben. He rings either way you wish—five straight minutes or every other half minute for all of ten minutes unless you switch him off. He's two alarms in one.

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

When morning comes, and it's announced by Big Ben's jolly bell, you can't help getting up at once, for Big Ben never fails to get you wide awake.

Big Ben is really three good clocks in one, two excellent alarms and a fine time-keeper to keep in any room and tell time all day by.

If you have got to get up bright and early, if you have to get your help in the field on time, ask for Big Ben at your jeweler's and try him for a week. You'll never want to be without him afterwards.

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

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



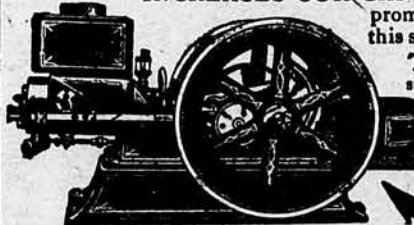
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The Waterloo Boy has earned its great success by giving the buyer more for his money in Power, in Service and in Satisfaction than any other engine on the face of the earth. Every machine backed by our 5 Year Guarantee.

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### Free Bottle Barnyard Shoe Oil.

If you have never worn Barnyard shoes  
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Try it on any shoe. It will convince you  
that Barnyard shoes are what you need.

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## JAYHAWKER FARM DOIN'S



BY H. O. 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.

There does not appear as yet any signs of winter damage to either fall sown grain, grass or alfalfa. Our English bluegrass made only a small growth last fall but it is still nice and green.

Plans made for spring crops in this section do not include much of an acreage of flax. In fact, we think the amount of flax sown in eastern Kansas will be the smallest in 20 years. The very low price together with two poor crops is the cause.

The market cannot digest a large crop of any of the minor grains or seeds as it can the staple feeding crops. Two years ago the price of flax was the highest on record due to almost complete failure in the North. It was then said that it would take a number of years to bring an average supply of flax back into storage. Two years only have passed and the amount on hand is large enough to depress prices to hard times limits.

It is for this reason that we do not like to make any crop our main hold which cannot be fed out on the farm. If the price goes down beyond reason there is nothing else to do but sell for what can be got. In the case of crops that can be fed out there can be a market made on the farm, or else some neighbor will take what can be spared.

In answer to an inquiry about sawing wood, it is our opinion a 4-horse gasoline engine is hardly powerful enough to drive a saw and keep it going. An engine of this size will drive a small saw and get through considerable wood but it seems always to be on a strain and without reserve power. In other words, it is pulling at the limit of its strength all the time and this is not good for engines or horses, either.

In hiring wood sawed we think it would be cheaper in the end to pay \$1.25 per hour for a 6-horsepower engine than to pay 75 cents per hour for a 4-horse machine. We think that practically double the wood could be sawed with the 6-horse engine. That is, if the wood is of any size. Should it be all small pole stuff the smaller engine will then do well enough, but tree trunks and the larger wood make too much of a strain on a small engine.

Our chickens, which we told you were dying last week, ceased dying the next day. The loss was confined to about 24 hours although one or two died after that time. All told we lost 32 hens and were glad to get off so cheaply after seeing how rapidly they died that first day. Of course all things point to poison but we cannot see where they got it as they had had nothing different to eat from what they had been fed all winter. There had been no dead animals lying about for them to get hold of and we had done no butchering for some time. Some say that chickens are killed at times by eating hog hair which they get at butchering time but we have never had any losses in that way.

A neighbor some years ago lost about 200 hens in exactly the same manner that we lost ours last week. They were apparently in good health at night but the next morning something like 50 were found dead under the roost. No more were lost for some time and then another lot died all at once. This kept up until out of 250 hens about 50 were left. We have never heard nor read of any poultry disease like this and can only say that everything points to poisoning from some cause or other.

Ever since we saw an account of how cheaply manure would be furnished to farmers by the Kansas City Stockyards company we have been wondering if such manure would not bring to the

farm where it was spread all the kinds of diseases that are so common in the yards. Yesterday brought us a card from a reader asking the same question. We see no reason why hog cholera would not be spread from manure from cholera infected yards but perhaps it would not. Do any of our readers know? We hardly think the stockyards company would send out stuff to spread disease if they knew it and this question must certainly have occurred to them before they agreed to send out the manure. The cost of getting it to a farm near the railroad in eastern Kansas would be so low that it would be a great thing for such a farm were it not for carrying livestock disease. (Since the foregoing was written the Mail and Breeze learns the stockyards company does not use the manure from the hog pens or the quarantine section.)

All farmers have noticed of late years the scarcity of peddlers, as compared with the numbers that used to travel our roads a short time ago. This scarcity is due, without a doubt, to the law compelling peddlers to pay a county license. It is a good thing to get rid of them for they carried nothing of value or if they happened to, their price would be enough higher to pay them for mileage. Then, too, the growth of the mail order trade has destroyed a market that the little Syrian and Italian peddlers used to supply. The catalog now posts people on prices and they would no longer pay three times what an article was worth just to have it brought to their doors. We are not sorry to lose the peddlers.

We are continually reading in the papers of the damage done to the roads by automobiles especially in the papers that advocate an automobile tax. Now we never could see where the automobile damaged the roads here in Kansas; the damage here is done in wet times by horse-drawn vehicles and it is done at a time when automobiles cannot be used. One 4-horse loaded wagon in a time like the present will do more damage to the road in one trip to town than an automobile will in two years.

We own an auto, pay taxes on its value and think that by so doing we are paying more towards the roads we destroy than any wagon owner in the state. The wagon owner pays on perhaps \$40 of valuation; rarely more than that and oftener less. The auto owner pays on all the way from \$300 to \$1,500. The wagon does more harm to the roads than the auto. Now why select the auto owner to bear a special tax to keep up the roads? If you want to get at the man who destroys the roads here in eastern Kansas better tax the fellow who hitches up after a heavy rain with a 4-horse team and cuts them as deep as the wagon hub.

We have a note from a reader in regard to the inquiry we received some time ago about Rice corn. This reader thinks from the description that Rice corn is identical with Kaoliang or Kowliang, as some write it. But the first inquirer said that Rice corn was a native of North Africa and was much earlier than Kafir while Kaoliang is a native of China or Mongolia and requires from 110 to 120 days to ripen. Are these two grains similar? Can any of our readers tell? By the way, it would be mighty interesting and profitable for all of us if the readers who have raised the different kinds of sorghums like milo, durra, feterita, shallu, Rice corn and Kaoliang would write telling which they have found the best under their conditions. In no other way could we help each other more than by telling what we have found out about these grains. It might put us onto just what we wanted and it might also save us from being buncoed into paying a big price for something that was worthless for our conditions.

## Sheep Scab Picks the Breeder's Pocket

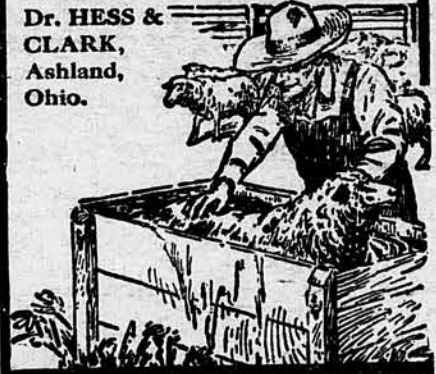
Scabby sheep pay little profit. Dollars that should fatten your bank roll are cut in half by the low price of ragged "clip" and ill-developed carcasses. Nothing but unthrifty is possible with scabby sheep. Bear this in mind and forestall disaster by using

## Dr. Hess Dip and Disinfectant

This meets the Government requirement as an official dip for sheep scab. Very easy to use. Provide a suitable dipping tank, and fill with a solution one part dip to 72 of water. Then thoroughly soak all sheep, taking pains to wet the skin well. Repeat after 10 days and your sheep will at once show marked improvement, with a consequent rise in values.

Dr. Hess Dip is a germicide, disinfectant and deodorizer. It destroys all germs and parasitic life. Prevents live stock diseases and purifies outbuildings, sewers, drains and sinks. Write for free dip book.

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Has doors that you never have to take out, but instead can open and close on hinges. Doors can't sag, stick, bind or freeze in, yet are always air-tight, and protect the silage from freezing in winter and drying in summer.

Big, extending malleable hinges form a safe and convenient ladder—steps 15 inches apart, 17 inches wide and 7 inches deep.

Positively highest grade material and construction.

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Founded 1907



by Arthur Capper

IN SHAWNEE COUNTY, the "home county" of the Mail and Breeze, there has been some inquiry among the boys, who did not read the first announcement, whether there would be a special contest for them this year. The list of prizes for the Shawnee contest will duplicate those awarded to Shawnee county boys in 1912. A handsome American flag 5 by 9 feet in size is offered to the district school in Shawnee county making the best exhibit by pupils of the school. The ears entered in the school exhibit will also be entered in the single-ear class in both the county and state contests, but no boy may win more than one prize, and that will be the highest to which his corn entitles him. The following prizes will be open to competition by all Shawnee county boys 20 years old or under:

Champion ear of Shawnee county...\$25 cash  
Second prize ear Shawnee county...\$15 cash  
Third prize ear Shawnee county...\$10 cash

All Shawnee boys who enter the county contest will also be in line for a prize in the state contest. That is, if the best ear of corn in the state is grown by a Shawnee boy he will be entitled to the state prize. Some other boy will then be awarded the Shawnee championship. No winner may win more than the one prize, the best within his reach.

## Will Plant on Cowpea Ground

Harold Whelan of Erie, Kan., is a new member of the Corn Club and only 11 years old, but he knows how to select and prepare good corn ground. He will grow his corn on a plot of ground that was in cowpeas last fall, and that was plowed after the crop was taken off. He has been scattering manure on this land this winter, all he could get. Harold says he is undecided whether to participate in the acre-yield contest or the single-ear race. Of course that may be decided any time before the corn is husked, but the thing to do is to get into both. Next fall send an ear or two to the show, also a report of your yield. It will not be possible to win two prizes but by going in for both contests, you will have a double chance at a prize.

## Handled 20 Acres Last Year

Here is a letter from Ralph Butler of Kaw, Okla., short but well written, and it rings true: "I want to join your corn club as I am a farmer boy. Last summer I farmed 20 acres with one team and this year I believe I can tend an extra acre of corn and farm my father's field too. I am going to try for the prize in the acre contest but if I can't win in that I will try for the single-ear prize. I am in the eighth grade and rank first in my classes."

## Jimmie's First Contest

Jimmie Wilson, aged 13, of Washington, Okla., promises to show all the Oklahoma boys in the acre contest a stiff race. "This is the first time I will try to raise corn," writes young Mr. Wilson. "The boys in Kansas, Missouri or Nebraska may beat me be-

cause they have better land than I. But I will run the Oklahoma boys a good race." Why not go after the whole bunch of them, Jim? Your land is perhaps just as good if not better than the average in Kansas, Missouri, and Nebraska. If there is some doubt about it scatter a few loads of manure that is not too coarse, over your acre, and plow it under.

## Corn Contest Rules

Any boy under 20 years old may enter the Capper Boys' Corn-growing Contest, for which cash prizes are offered in four states, namely: In Kansas, in Oklahoma, in Nebraska and Missouri. For best acre yield in each state \$50; for champion single ear in each state \$25; for best ear in each state from seed of a boy's own raising \$25.

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

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

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

## Capper Girls' Tomato Club

Amelia Dester of Moundridge, a newcomer in the Tomato Club, wants to know if seed is furnished. No; each girl is expected to get the seed or plants she uses and may choose any variety she wishes. Some of the best ones were named in last week's Mail and Breeze. It is permissible for contestants to buy plants if they choose.

Carrie Enochs, Garnett, Kan., wants to know how far apart to set the plants. The usual way in large patches is to plant them about 4 feet one way and 5 feet the other but in this contest where the quantity of tomatoes means everything, it will be better to plant them closer than that since most plots will not be worked with horse tools any way. Planting distances also will depend somewhat on the variety. Some kinds spread out over the ground and others grow up in the form of a bush. All things considered, our advice would be to set the plants about 3 feet apart each way.

Carrie also asks if planting the seed where the plants are to stand would be advisable. This is frequently done to insure getting a stand. Several seeds are planted in each hill and when the plants are up 2 or 3 inches they are thinned out, leaving only the best one growing. This will be a good way to start your patch but sowing the seed in a hotbed and transplanting right after a rain will give the plants an earlier start.

## TOMATO CONTEST RULES.

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

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

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

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

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

To join the Capper Girls' Tomato club and participate in the contest fill out and mail the entrance blank on this page as directed and you will be ready to begin your preparations.

## Capper Boys' Swine Club

Among the boys who entered the Swine Club last week was Herbert Clark of Meriden, Kan. Capper boys will remember him as the winner of the \$25 for growing the best calf in the Baby Beef Club last year. Herbert is only 13 years old.

James L. Hulse, 9 years old, of Stockdale, Kan., will get a slower start with his pig than some of the other boys but this is not discouraging him. Perhaps he has heard of the race between the hare and tortoise, and bases his hopes on the same kind of an outcome. The fact of the matter is, James' pig is not farrowed yet, but the parents on both sides of the expected litter are good registered stock and before many more weeks we expect to see James very much in the race.

Ernest Reed of Lyons, Kan., could not have asked for any better luck than has come to him. He owns a good Duroc-Jersey sow sired by old Tatarax, the famous male hog of George Hammond at Manhattan, Kan. This sow presented Ernest with a fine litter of 10 pigs on March 1. This gives Ernest the jump right from the start and you may be sure the best pig in this litter is going to take a trip to the Hutchinson or Topeka fair next September.

## SWINE CONTEST RULES.

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

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

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

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

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

## To Learn How Europe Co-operates

(Continued from Page 9.)

Europe. Co-operative purchasing organizations, co-operative and municipal markets, where farmers' produce is sold by agents at a fixed commission, the entire remainder of the proceeds going to the farmer direct, and co-operative associations for packing and distributing farm products, will all be investigated.

The platform on which President Wilson was elected contains a plank endorsing the agricultural co-operative movement and President Wilson has a keen interest in the subject. There now exists a committee of nine governors of states to consider legislation necessary for the organization of co-operative credit and other associations, and a conference of all persons interested has been called at Chicago April 8-10 by the publishers of western farm journals to devise a plan whereby farmers may organize to secure an adequate system of farm credit and a better method of marketing.

## Co-operators' Measure Failed

The Butler measure for an improved law for co-operators in Kansas failed of enactment. The legislators were either afraid of it or underrated its importance. The same law has been in operation in Nebraska for several years and appears to be working well.



## Stewart Ball Bearing Machine

It's a valuable outfit that should be in every stable. Those who know the horse best have agreed that to clip him at the proper time improves him in every way. He looks and feels better, does more work, rests better and gets more good from his feed. Insist on having the "Stewart." It's the easiest to turn, does the fastest work, stays sharp longer and is more durable than any other clipping machine ever made. Get one from your dealer, or send \$2.00 and we will ship C. O. D. for the balance. Your money and transportation charges back if not pleased. Catalogue Free.

## INCREASE YOUR WOOL MONEY

The way to do it is to get more, longer and better wool that will bring a higher price from the buyer. You can if you use a

## Stewart No. 9 Ball Bearing Shearing Machine

It turns so easy that a boy can run it all day without tiring. It is ball bearing throughout, including a ball bearing shearing head, shears quick and evenly all over. The price including \$11.50 four sets of knives is only \$14.00. Get your dealer to send now, or if you prefer send \$5 and we will ship C. O. D. for balance and you may try the machine and if not satisfied money will be refunded. Write for catalogue. CHAS. FLETCHER, ST. LOUIS, MO.

## THIS PREMIUM SENT PREPAID TO EVERY READER

**FAMOUS Sewing Awl**  
Sews a lock stitch just like a machine. Just the thing for repairing shoes, harness, gloves, mittens, saddles, buggy and auto tops, grain bags, wire cuts in horses and cattle.

Sews neat, quick and strong. Has a diamond point grooved needle and a hollow handle. Comes ready to use with two assorted needles and 25 yards of waxed thread. This awl can be carried around in the pocket just like a knife.

**OUR PREMIUM OFFER**  
Regular price of Awl is \$1.00. In order to make you acquainted with FARM AND FIRE, the National Farm Paper, we will give you this Awl, all charges prepaid, with a one-year introductory subscription to FARM AND FIRE for only 60c. Your money refunded if you don't agree this is the biggest value you ever received for the money. Order trial subscription today. This premium will be sent you by return mail. AGENTS WANTED. FARM AND FIRE, Dept. A SPRINGFIELD, OHIO.

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Travel, get good pay, run garage or auto livery. FREE illustrated book tells all. You can learn in a few weeks at home or in our shops. Write for information today. **KANSAS CITY AUTOMOBILE SCHOOL**  
Largest and Best Equipped School in the World.  
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We furnish full directions how to do any job, and just now we are making a surprisingly liberal offer. Write at once and get this great paint offer, free shade samples, strong testimonials and valuable paint information. Just say "Send me your latest paint offer." Address **CROSBY-FRANK & CO., 572 Peoria St., Chicago, Ill.**

## Entrance Blank

ARTHUR CAPPER, 800 JACKSON STREET, TOPEKA, KAN.

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

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

My name is.....

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

State .....

My age is.....

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

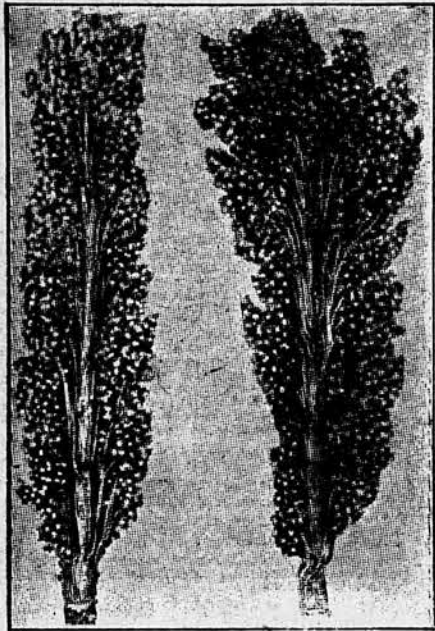


### Why Kafir is "Running Out"

TOO FEW SELECT SEED.

In those districts of Kansas and Oklahoma where Kafir has been grown for eight years or more, Kafir heads are not as large and heavy as they were when the crop was first grown.

George Bishop, who has been a district agent of the U. S. farm demonstra-



Two Kafir heads split open. The Kafir head on the left is from a field yielding 80 bushels per acre. The center stem extends well toward the tip and has five joints. The head on the right is from a field yielding 15 bushels per acre. The center stem has but two joints. The large seed stems start midway from the butt. The sprangly character of the head indicates it is from weak or "run out" stock.

tion work in western Oklahoma, and H. M. Cottrell, agricultural commissioner, Rock Island Lines, have been studying this problem carefully and have finally hit upon the solution. In fields producing high yields the heads when split open showed numerous joints on the stem, numbering from five to seven and the main stem extending to within 3 inches of the tip of the head. Heads from low yielding fields when split open revealed a stem having but two or three joints and long sprangly tips.

#### Seed to Blame for Poor Yields.

This indicates not only how poor, non-prolific seed heads can be detected but that the crop is "running out" because more care is not given to the selection of the best heads for seed. Many farmers have for years been going to the bin at planting time and taking out enough Kafir for seed. This method has given them seed from weak heads, sprangly heads, small heads and all kinds of heads, and from good and bad heads from weak stalks.

Kafir crosses with the sweet sorghums, with broomcorn, milo, feterita and the so-called Egyptian corn or desert wheat. These crosses produce a mongrel strain of Kafir that cannot be made to yield a heavy crop. Kafir with sprangly and loose open or fluffy heads is the result of such crosses.

#### The Stalk an Indicator.

The character of the stalk has a strong influence on yield. Seed from good heads grown on plants of medium height with thick short-jointed stalks, will produce one-third higher yield than seed from good heads grown on tall stalks, with long joints. Yet, not one Kafir grower out of 500 considers the stalk when he selects seed. The result is that in a large part of the country where Kafir has been grown for some years the crop has "run out" and cannot be made to produce more than half a crop.

#### Pure Kafir Getting Scarce.

Mr. Bishop says not more than 2 per cent of the Kafir in 26 counties in western Oklahoma is pure. One of the best farming districts in Grady county reported an average of only 15 to 25 bushels and many of the farmers in Kingfisher and Garfield counties reported like yields. In Greer, Carter and Johnson counties there are districts where Kafir was grown in 1912 for the first time, and the seed having been purchased and shipped in, choice yielding strains were procured. In these districts there were

many yields of 65 to 85 bushels an acre. Neither soil nor climatic conditions were more favorable than in the districts where 11 to 25 bushels an acre were grown.

#### When New Seed Is Needed.

It is the opinion of Mr. Cottrell that the farmers in central Kansas or central Oklahoma who raised less than 40 bushels of Kafir an acre in 1912 with good conditions and methods of tillage should get new seed or use great care in selecting heads for seed from their own crop.

A head of Kafir for seed, should be three to four times as long as broad. It should be only slightly pointed. A head with a sharp pointed tip or a loose fan-shaped tip, should not be used for seed.

#### To Tell a High-Yielding Head.

The center or main stem on which the head is formed should extend well toward the tip, usually to within 3 inches or less of the extreme end of the tip. This is the most important indication of a high yielding strain and one that heretofore has been seldom mentioned or thought of. This is the first point to look for in selecting a head for seed and if the center stem lacks length the head should be rejected, no matter how good the other characters.

In "run out" strains of Kafir, where the yield is low it is often found that the center stem extends but half way or a little more between the base of the head and the tip. With the degenerate type, a thick bunch of seed stems start out from the end of the main stem, making a loose or fluffy head. Reject for seed every head where the center main stem is short.

#### Sell Farm Stuff by Parcel Post

The suggestion was made in the Poultry Number of Farmers Mail and Breeze by Reese V. Hicks, its poultry editor, that farm folk build up a parcel post town trade for their products by advertising what they had to sell in the newspapers of the big towns. The suggestion which was widely circulated is bearing fruit down in Texas. The Dallas News of Sunday, March 9, contained 20 such advertisements. The Mail and Breeze reproduces a few of these ads to show how they are worded:

#### PRODUCE BY PARCEL POST.

BUTTER 25c, eggs 20c. W. H. LUCY, Dublin, Tex.

FRESH eggs. E. R. FLEET, R. 3, Norman, Tex.

BUTTER 35c, eggs 35c dozen. Z. R. DIXON, Route 4, Hico, Tex.

BUTTER and Eggs—Market price. MRS. E. P. BOWMAN, Kress, Tex.

FIRST-CLASS fresh creamery butter. MRS. D. B. CHIC, Route 1, Howe, Tex.

FRESH eggs for 2 c per dozen prepaid to Dallas. W. B. CAPPS, Naples, Tex.

TWENTY pounds of butter, 10 dozen eggs each week. W. M. PARKS, Palms, Tex.

BUTTER 25c pound; eggs 25c dozen. MRS. FRONIA McBRIDE, Rt. 1, Klondike, Tex.

FRESH eggs every day 25c. MRS. W. R. COOPER, Route 2, Box 20, Station A, Dallas.

FRESH eggs and butter 25c. Can ship every week. MRS. ED. HUFSTEDLER, Tolar, Tex.

I HAVE to sell fresh eggs, 20c per dozen, delivered. MRS. KATE COX, Brown Ranch, Fort Griffin, Tex.

NICE, fresh eggs, 25c dozen; butter, 30c per pound; I pay postage. MRS. G. C. TALLEY, Kerens, Tex.

EGGS—Every one guaranteed fresh, 25c dozen. Also first-class butter 30c. MRS. R. T. BOWMAN, Kress, Tex.

FRESH eggs, 25c per doz., prepaid. Every egg guaranteed. MRS. H. H. GRACEY, Dallas, Station A, R. F. D. No. 2.

THREE dozen fresh eggs 25c dozen, three pounds fresh butter 30c pound. MRS. VIOLA BROWNING, Route 3, Collinsville, Tex.

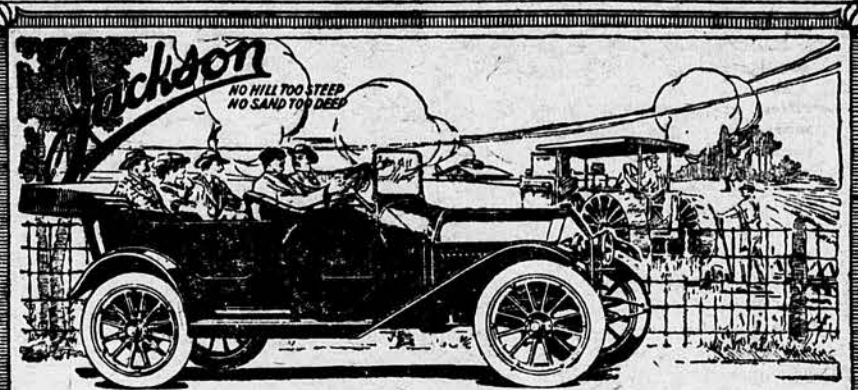
The big towns in Kansas, Oklahoma and elsewhere ought to offer like opportunities. Will any Mail and Breeze reader who has made the experiment, report on his or her experience to date?

#### POST CARDS PRINTED FREE.

Send us a film, 2c for postage. We will make a post card free and send our price on Kodak finishing.

J. C. Wolcott, Topeka, Kan. Advt.

In writing any of our advertisers, always mention Farmers Mail and Breeze. You will get a quick reply if you do.



"Majestic" (Illustrated)—\$1975  
45 H. P. four-cylinder touring car, completely equipped and fitted with electric starter and lights.

"Olympic"—\$1500  
35 H. P. four-cylinder touring car, completely equipped. Electric starter and lights are optional, at an extra cost of \$225.

"Sultan"—\$2650  
55 H. P. six-cylinder touring car, seven-passenger, completely equipped and fitted with electric starter and lights. Five-passenger, \$2500.

## Not Comfort or Sturdiness alone, but the most of both

Soundness and strength you must have in your car, if it is to prove a real investment.

Comfort you must have, if the family is to get the greatest possible pleasure out of the car.

We believe the Jackson offers the best combination of both to be found among cars of similar type.

You have long known the Jackson to be a thoroughly comfortable car; and you are doubtless acquainted with its reputation for service in country use.

It is because of its ability to stand up in such use that the Jackson has won a favored place among farmers.

In many instances, Jackson cars have seen three, four and even five years of service on the farm and over country roads.

And it is on such roads that its comfort features are most appreciated.

Between you and the ruts are not only seat cushions ten inches thick but four elliptic springs—and you know how easily they ride.

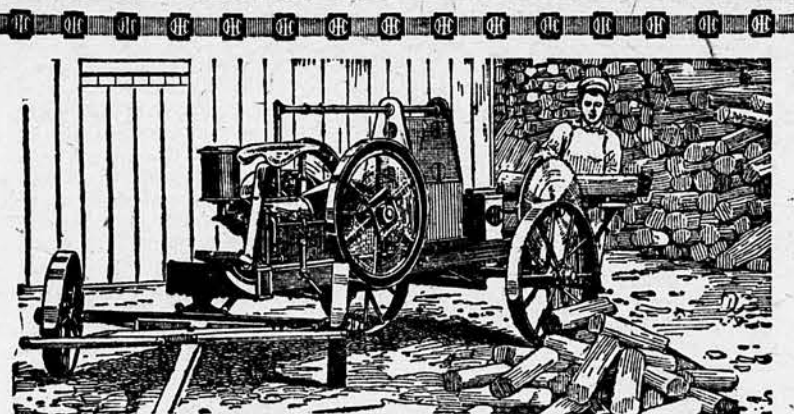
With long wheelbases and large wheels, the easy riding is made more pronounced; and the generous room inside the car is a feature not to be overlooked.

On your own judgment will depend pretty largely your satisfaction with the way your car rides and runs.

So you should not neglect to post yourself.

Do this in the case of the Jackson by writing for the catalog and the name of the dealer who can give you a demonstration.

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IF you are to make the most of your time and opportunities, you must have efficient tools to work with.

You have enough hard, tiresome work without wasting your time and energy in such jobs as wood-sawing, water-pumping, grindstone-turning, and the like. Use an IHC engine to furnish power for such work. In far less time, and with practically no effort on your part, the wood is sawed, the stock watered, the tools sharpened, all at one-tenth the expense of hand work. Put the load where it belongs. Buy and use an

## IHC Oil and Gas Engine

and save money as well as hard work. It is the cheapest engine you can buy—because it costs less per year of service than others. It is so simple that it is practically trouble-proof. Perfect combustion makes it economical.

IHC oil and gas engines operate on gas, gasoline, naphtha, kerosene, distillate, alcohol. Sizes are 1 to 50-horse power. They are built vertical, horizontal, portable, stationary, skidded, air-cooled and water-cooled. Sawing, pumping, spraying outfits, etc. IHC oil tractors, 12 to 60-horse power for plowing, threshing, etc.

Look over an IHC engine at the IHC local dealer's place of business. Learn from him what it will do for you, or, write us for catalogues.

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## Money Crops For the Garden

BY D. DE BAKER.

**Editor's Note.**—Commercial gardening is the only farming system that will make high-priced land near our cities pay dividends. Gardening for market is on the increase in the Middle West and will continue to grow with the increase of population. The author of this article is a practical gardener and the following facts from his own experience were presented in a paper before the State Horticultural society of Kansas.

I am in the commercial gardening business for what money I can make out of it. The question most often asked about gardening is, how much can you make from an acre of ground planted to a certain variety of vegetables? This is difficult to answer. The gross profits should run between \$100 to \$200 per acre to make commercial gardening profitable. Most of the land should raise two crops every year, and quite a lot of it will grow three crops. First we grow radishes and spinach in early spring; then early tomatoes, sweet potatoes, summer cabbage, sweet corn, cantaloupes, onion sets, beans, peas, summer squash and cucumbers; and in the fall plant beans, radishes, turnips and spinach. All these can be planted on the same ground in one season.

But this ground is well plowed and harrowed and run over with a drag or smoothing board, and has been well manured for several years.

### Manuring Is All Important.

I think quantity, quality and proper application of manure is of the most importance in all gardening. Horse manure is most valued on cold stiff soils. There is nothing better than stable manure as fertilizer. The main thing is to get all you can and put it on the ground.

As to what crop to raise to make the most money, it makes a lot of difference how far you are from market. If more than 5 miles, it would pay to raise small truck, that is bunch stuff and tomatoes. The distance from market does not make so much difference with potatoes, onions, cabbage, sweet potatoes and root crops.

I don't think it pays to raise potatoes for market unless you have ground enough to plant at least five acres. The most important point in growing potatoes is good seed, the very best you can get, good rich soil not too heavy; spray them at the right time to kill the bugs, and give them plenty of cultivation, and a little hoeing to keep weeds out of the rows.

### Cabbage Early and Late.

For cabbage you want good, rich ground; you can hardly get it too rich. The early kinds are started in hotbeds from February 1 to 20. The plants should be set out or transplanted from about the last week in March to the second week in April according to the season. They stand quite a frost. I have seen the ground frozen hard and the plants come through all right if they were growing, but if you happen to get a frost the night after they are set out most of them will be killed. If one sets out more than 2 acres it will pay to buy a transplanting machine. The rows should be 3 feet apart, and the plants 18 inches for pointed heads, and 2 feet apart for flat headed kinds.

For late varieties the seed should be sowed in open ground from April 10 to May 20, according to the variety one plants. A good deal of cabbage seed is sowed in the hill. They are sowed in rows 3 feet apart where the cabbage is to grow; the plants are thinned to the right distance at the proper time. This saves transplanting. In doing this one should have ground fairly free from weed and grass seeds. Cabbage needs lots of shallow cultivation. The price received ranges from \$7 to \$14 per ton.

### More Onions Should be Grown.

There are never enough onions grown in Kansas for home use. In growing onions in large quantities one should have plenty of shed room to keep them dry and a frost-proof place for them in winter. This is the one vegetable for which you must prepare the ground in the best of shape. The seed should be planted with a garden drill, 3 to 4 pounds to the acre; the rows 12 to 16 inches apart; and one seed to every inch.

They need a lot of weeding by hand, and wheel hoeing. Onions and weeds never do well together. The heaviest demand is for the red variety.

When they are ripe they should be pulled up and left lying on the ground for two or three days, if the sun is not too hot. Then top and put them in the shed where they should not be piled over 5 inches deep on each floor. For early green onions, sets should be planted. You also can let them get dry. If you plant sets to get dry onions, plant the small ones for the large sets will go to seed. Onions bring from 40 to 90 cents per bushel.

The sweet potato most generally grown in Kansas is the Yellow Jersey and Nansemond. They should be started in hotbeds from the last week in March to the second week in April. They should not have quite as rich a soil as is needed for other vegetables. Soil a little sandy will be the best but I have raised good ones on clay soil. They will stand quite a lot of water from overflow or floods. It is the custom to set them on ridges 6 to 10 inches high, but on sandy soil they will do better on level ground, if the rows are raised by throwing the soil to the plants while cultivating. The rows should be 3 feet apart with plants 14 to 18 inches in the row.

### A Sweet Potato Planter.

In a small way they are set out by hand but if you have more than 2 acres get a transplanter. Sweet potatoes should be well hoed and cultivated so as not to have any weeds or grass in them. One can begin selling about August 1 here.

The best manner of digging is with a regular sweet potato digger which runs under the rows, raising the potatoes and cutting the vines at the same time. Then we go along and pull the potatoes off the vines. The best way is to pull 3 rows at a time and pile the potatoes in the middle row. This should be done in the morning or forenoon and they should be picked up in the afternoon.

Sweet potatoes should be handled like eggs so as not to bruise them. The cave or cellar in which they are stored should be dry. It should have a floor from 4 to 6 inches above the ground and be cribbed all around 4 inches from the walls. A stove should be set up so as to keep the temperature for the first three weeks at from 60 to 75 degrees, after which the thermometer should show 50 degrees or a little more. They should never be moved or sorted until ready to sell. Prices range from 30 to 75 cents per bushel usually.

### Tomatoes Are Heavy Yielders.

The early tomatoes should be started in hotbeds from the middle of February to the middle of March. The plants should be kept warm and they should not be set out until after May 1. Sometimes they freeze after the middle of May. There are many good sorts of late tomatoes, but the Matchless and Stone are the ones mostly planted in this vicinity. The late kinds should be planted in rows 6 feet apart with plants 4 to 5 feet in the rows. If seed is planted in the hill, put in 10 to 15 seed and thin down to one after all danger of frost is over. Tomatoes sown in open ground seem to stand quite a frost.

Horseradish should be planted on new ground every year to do well. I have grown good roots on sandy soil, gumbo land, and on rich soil. We propagate from small roots. They should be about the size of a small lead pencil and from 8 to 12 inches long. They should be set 8 to 12 inches apart. They are set so that the top end of the roots will be 3 to 4 inches below the top of the ground. Horseradish is shipped in carload lots, but most of it is sold in the local market. It is shipped to all parts of the United States and some has been shipped to Canada. A carload will bring about \$1,200.

Rhubarb is now cultivated largely around all large cities for market purposes. Its culture is of the simplest kind. It will grow in almost any soil that is well drained. Never plant it where water will stand. The best way to start it is to get the plants by dividing old roots. You can also get new roots from nurserymen or you can sow the seed. Set the plants 3 feet apart in rows 3½ feet apart. Do not pull any at all the first year. It is best to manure it every year. Topeka, Kan.

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Charles A. Douglas

Frank Douglas

### Clover Stock Farm

Winona, Logan County, Kansas

February 20, 1913

Mr. John B. Douglas,  
Redstone Hotel,  
Chicago, Ill.

My dear John:

Your letter just received. I am mighty glad to say that I have carbon copies of all my letters to you since I bought that Smith Premier typewriter back in 1910. I am sending them to the lawyers by registered mail as you request.

When you see these exact duplicates of my letters, you will find that your memory is not as good as you thought it was. Get a typewriter, John.

Your aff. brother,

Charles A. Douglas

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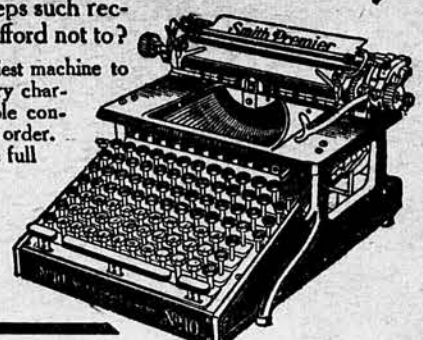
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## Tiling a Garden With Lath

BY J. F. NEWSOM

[Written for Farmers Mail and Breeze.]

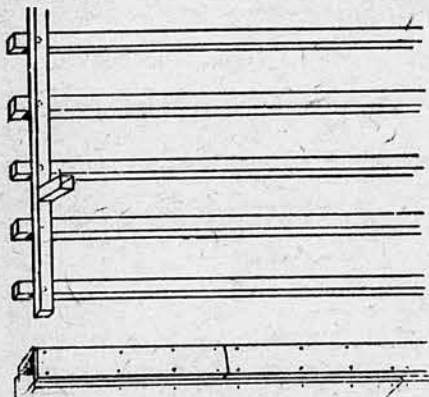
SINCE my letter on subirrigating with tile made of common lath appeared in the Mail and Breeze, I have received so many letters that it would be impossible to reply to even a part of them. Therefore I am availing myself of the editor's invitation to more fully describe my system of subirrigation and so answer these inquiries.

My experimenting has been confined to my home in Guymon. The tract I am cultivating measures 90 by 200 feet. Guymon is on the high plains, at an altitude of approximately 3,100 feet, and my soil is what is known as tight. Buffalo grass land, almost black in color.

### A Windmill and Tank.

My well is 186 feet deep, and I am using a 12-foot direct stroke mill, with 2-inch pipe and 1 1/4-inch working barrel. I have a metal reservoir of about 100 barrel capacity, elevated about 2 feet above the ground, and from this a 3/4-inch pipe leads into the garden. This supplies all the water I need.

In March, 1909, I set grapes on part of this land, and irrigated with ditches during the summer of 1909 and up to July, 1910. Since that time the grapes have not been irrigated, and I gathered fine crops of fruit both in 1911 and



The upper drawing shows a section of lath tiling as laid in the garden. The lower drawing shows the manner of nailing the lath together, corner to corner.

1912. The ground occupied by the grapes is 80 by 90 feet, and my crop in 1912 made about 1,200 pounds, with not more than 60 vines in bearing. On another division of this land, measuring 60 by 90 feet, I have 30 growing apple trees. I have tiled between the rows of trees, with 8 tiles in all, each 90 feet in length. I use the land between the trees for tomatoes.

### Tiles Every Four Feet.

My garden proper is 40 by 90 feet and is tiled with lath tiling, some of which has been in the ground since March, 1910. I found that in this soil, the moisture will reach, satisfactorily, about 2 feet on either side of a tile, hence, I have placed my tiles 4 feet apart. For convenience I have laid them crosswise of the garden, that is, each tile is 40 feet long.

As I get best results by feeding the water into the tiles slowly, I have connected my tiles at one end in such a manner that I can feed as many as 10 of them from one opening. I use a common garden hose to convey the water from the 3/4-inch pipe to the opening prepared for receiving the water. The nozzle on the hose cuts down the flow of water to a very small stream. In the case of the 90-foot tiles, I have only two connected together.

### How the Tiling Is Made.

This tile is made of cypress lath. I soak the lath in water over night before using, for convenience in handling and to prevent splitting when nailing them together. I take four pieces of lath, 12, 24, 36 and 48 inches in length respectively, even up the ends at one end and nail together with 3-penny fine nails in such a manner that the opening in the tile will be square, and no lath will be between two other laths. (See lower section of tile in drawing.) This is necessary to prevent the collapse of the tile from the pressure of the soil. This starts the tile, and it can be built to any length desired by simply using full length laths (48 inches) thereafter. I place the nails as near the ends of each lath as possible, to stiffen the joints. I am careful to make

all joints as tight as possible to prevent dirt from getting into the tile. I use five to six nails in fastening each new lath in place. Do not be afraid of using too many nails. The water will get out all right.

### Connections and Ends.

The tile thus made, I cut into lengths of 40 feet each. I placed each length in a ditch, across the garden, made with an ordinary round pointed tiling spade. The ditches were about 5 inches wide at the top and 14 inches deep. I closed both ends of the tiles by nailing a small piece of lath over them to keep out dirt. I laid the tiles as nearly level as I could get them. In some instances, I partially filled the ditch with water and leveled the tile by the water.

I connect the 10 tiles together by placing a section of the same material across and at right angles with the tiles about 2 inches from the ends. (See drawing.) I connect them with proper openings to permit free passage of the water, and with joints tight enough to hold out the dirt. At some convenient point on this cross tile, I insert a vertical section. The vertical section extends 2 or 3 inches above the surface, and when I want to irrigate, I place the hose in it and turn on the water. When not in use, I invert an empty tomato can over the top.

### Very Little Water Required.

I find where my tiling has been in the ground longest, I get quicker and better results and with less water, owing, I think to the fact that the soil is more firmly settled around the tile. My pump, with an ordinary breeze,

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This is a message from the thousands of American farmers who raise sugar beets, the manufacturers who convert the beets into sugar, and the many thousands of workingmen who find profitable employment in the beet sugar industry. It is a message of great importance to you—and to every farmer in America.

War is now being waged by the Sugar Trust against the Beet Sugar Industry of America. The Sugar Trust seeks to completely wipe out the Beet Sugar Industry in order that they may absolutely control the sugar markets of this country and juggle prices as they see fit. They aim to accomplish their purpose by having the tariff on sugar reduced or removed. By strangling the Beet Sugar Industry, their only competition, the Sugar Trust hopes to exact heavy toll from you and every other user of sugar.

This is a matter of mighty import to you—and every other farmer and landowner in America. It demands and deserves your careful, sincere consideration—at once. If the Sugar Trust succeeds in its efforts the government will lose millions of dollars in revenue annually, which will increase direct taxes throughout the United States; it will give the Sugar Trust absolute control of the American sugar markets and later place them in position to raise the price of sugar as high as they want to. The Sugar Trust sends millions of American dollars abroad every year for sugar—the beet sugar industry keeps the money at home, benefiting thousands of American farmers, coal miners, machinists and workingmen in many different lines. Reducing the tariff will benefit only the Trust and the big importers—it will not permanently lower the price of sugar—no more than did the removal of the tariff on coffee reduce the price of coffee.

Beet sugar production can be developed to supply the entire demand of this country. It increased 1500 per cent since the present tariff was enacted in 1897. There are now seventy-two beet sugar factories in the United

States, located in 16 states, extending from Ohio to California, and owned by 39 independent concerns. Maintaining the present tariff will protect this growing industry and benefit thousands of farmers who supply the factories with sugar beets.

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

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TRUMAN G. PALMER,  
Sec'y, United States Beet Sugar Industry,  
Washington, D. C.

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

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## UNITED STATES BEET SUGAR INDUSTRY

will pump enough water to put a good season in the entire garden in less than a day. By cultivating in such a manner as to conserve this moisture I find it requires very little water to raise a garden even in this altitude where evaporation is very great. When the water has filled all connected tiles, it will rise in the vertical section, thus exerting a pressure that will force the water out of the tiles and into the soil. If allowed to run long enough, it will stand in pools on top of the ground. By cutting down the feed flow to a very small stream, I allow more time for the water to penetrate the soil. My practice is to cut off the water as soon as it shows on the surface.

### What the Garden Produces.

From this garden I grow any and all vegetables that I have ever tried, in sufficient quantities to supply my family and provide for winter use. We have our own cabbage and kraut, string beans, pickles, chowchow, beets, pickled and stuffed mangoes, rhubarb, salsify, turnips, cucumbers, onions, potatoes, peas, lima beans, carrots, parsnips, and others. From the 8 tiles among the apple trees we have tomatoes in the various forms, besides marketing more than \$100 worth direct from the patch.

### A Few General Instructions.

To any who contemplate trying this tile allow me to say: Use cypress lath, as it works better and lasts better than pine. Make all joints dirt tight, and lay the tile as nearly level as you can get it. Keep dirt and trash from blowing into the tile and choking it. Don't try to make irrigation take the place of cultivation. Use only clean water in this tile, and use your common sense in using it. The results obtained will be highly gratifying to you. Guymon, Okla.

(I do not presume to know more about this system of irrigation than Mr. Newsom who evolved it, but it occurred to me that to dip the lath in creosote or other wood preservative, would tend to make the tiling longer lived.—Ed.)

### A Living From a 1-Acre Garden

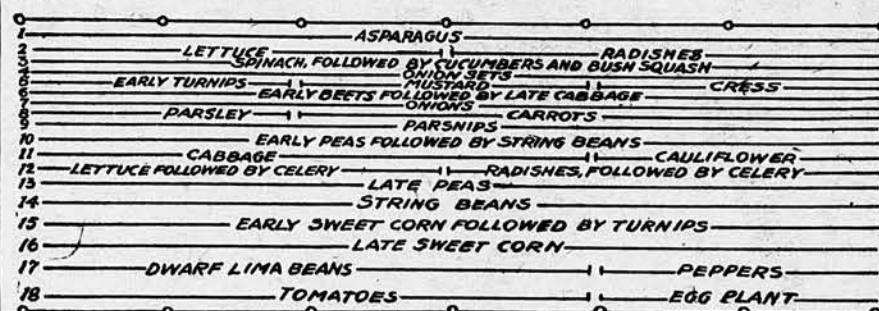
BY M. M. MAXWELL.

[Written for Farmers Mail and Breeze.]

Few appreciate to what a surprising extent the living expenses of the farm

family may be cut down by a 1-acre garden properly cared for. We talk and write a great deal about balanced rations for our stock. Nothing will produce a better balanced ration for the farmer and his family than a good garden. Just now the silo is being lauded as a feed preserver for livestock. This is all right, but let us also agitate a well filled cellar for the farm folks.

Our garden is 8 rods long by 20 rods wide and is located on an eastern slope. It is handy to the house and well fenced. Along one side we planted 50 grape vines—40 Concord and 10 Moore's



This garden plan, recommended by the Illinois Experiment station is laid out along the same general lines as Mr. Maxwell's. The crops are planted in the order they mature and all rows are far enough apart to be worked by wheel hoe or horse tools. Potatoes are not included.

Early. These are trained up on a wire fence and have given us a bountiful supply of grapes for years. The rest of the ground is manured and plowed each fall. We plow it again in the spring.

The first crop planted is potatoes, 20 rows of them on one side of the garden. Next come 2 rows of onions, then a half row of radishes, lettuce and peas, and another half row for beets, parsnips and carrots. Next to these we devote a half row to two varieties of cabbage plants and two or more tomato varieties. These half rows are all at one end leaving the farther ends for later planting. One of the upper half rows is used for cucumbers. At one end six half rows are set with tomato plants, and the other ends filled out with sweet potatoes. The remaining rows are planted with cabbage. There are 32 rows in the garden, all old. Sweet corn is planted elsewhere.

We rotate the crops each year so that

the same crop does not occupy the same ground two years in succession.

Cultivation is almost entirely done with horse tools. We seldom fail to raise plenty of these vegetables for home use and usually have a surplus to sell. Valley Falls, Kan.

### Topeka Fair Will Go Ahead

"The fair will be operated this year the same as last regardless of the recent legislature's consent to hold a fair elsewhere in the state," announces H. L. Cook, secretary of Topeka's State Fair association. "We have a charter from

the state and the fair is known officially as the Kansas State Fair association. I have been having a number of inquiries about this and I want everyone to know the fair will be bigger than ever and will be worthy of Topeka and the entire state. The action of the legislature has nothing to do with our fair."

The entertainment features for Topeka's fair, September 8-12, will be on a par with those of the big state fairs of Nebraska and Iowa. Forty thousand dollars in premiums and prize money will be offered exhibitors and speed ring.

### The Farm and Stock Need It.

Mr. Editor—I haven't missed an issue and could not afford to as I would have to quit raising red hogs, milking Jersey cows and farming. Wishing the Mail and Breeze much success, and a prosperous year, as ever, a Mail and Breeze reader.

Mill Creek, Okla. J. H. Fletcher.



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## ORCHARD & GARDEN

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

Garden sass is on the way.

When the small weeds are killed there will be no big ones.

Still a few days of grace left to prune the orchard.

Make sure that the site for the new orchard can be easily drained.

Where blight was bad on potatoes last year try a new location.

Nothing but fine and well rotted manure will do for the garden at this date.

Working in the garden because the ground is too wet for field work is hard on the garden.

Nothing better than northern grown Red River Early Ohio, for early potatoes, say those who have tried them.

The harrowing of the potato patch need not wait until the plants are through the ground. Keeping the surface loose helps them to get through.

Strawberries may be planted right now or at any time after plants are large enough. The mulch also should be taken off the rows in the old patch by this time.

I plant early potatoes as soon as I can get the ground in shape in spring, regardless of the moon. A good seedbed counts for more than moon farming.—J. E. D., Hamlin, Kan.

## An Apple Orchard in the Making

BY W. H. BARNES,  
Ex-Secretary, Kansas Horticultural Society.

Mr. Editor—Any good corn ground should grow good apples, but the right kind of a subsoil will often grow apples successfully when the surface will grow neither corn nor wheat profitably. Where subject to late spring frosts, avoid all low ground. Well grown, well matured, 2-year-old trees grown from healthy root-grafts are the favorites everywhere. Year old trees are cheaper, more easily planted, and will, often, overtake in thrift 2 and even 3-year-olds.

Do not take up with any easy, slipshod method of planting. If you want to furrow off the rows, do so, but do not trust any plow or plowman, however skillful, to cover them in. All tree roots burrow in solid ground, therefore they require solid planting. Cover the roots carefully, see that the earth is filled in under the roots and then use a tamping stick, a in setting posts, being careful not to bruise the roots. The man who plants trees carelessly, is throwing time, money and labor to the birds.

Distance apart may differ with location from 20 by 30 to 30 by 30 feet. In most orchards trees are planted too closely. This is easily proven by noting the thrift and productiveness of the outer rows. Don't be stingy with your land. Cultivation should begin as soon as the trees are planted and be kept up as long as possible. A disk is an admirable tool, but while the trees are young the hoe gets nearer and makes you feel that the work has been well done.

**Begin Pruning Early.**

Watch the newly set trees, allow no sprouts to grow from roots or crown. With the thumb break off any young shoot that is not needed allowing only those to grow, usually about five, that will make a foundation for an open, evenly balanced head. Remember these will be the future great limbs of the tree. Much of the later heavy pruning is thus forestalled and avoided. Studied thumb pruning within three months of planting is the road to a handsome and profitable orchard.

On irrigated, valuable or restricted lands it is a loss to allow the space be-

tween the trees to lie idle. Potatoes, or vines are excellent, corn is good, but do not cultivate the corn and forget the trees. Berries are a paying proposition in a young orchard. Planting peach, plum or other smaller growing trees between is not advisable, even if some have succeeded in getting a little money that way. If you fertilize, do it where the feeding roots are, not up around the trunk, where it is to the tree like the display in a baker's window to a starving man. Cow peas plowed under are surely a good fertilizer and perhaps utilize the ground between the rows to the best ultimate advantage.

Topeka, Kan.

## Good Pear Varieties for Kansas

BY WILLIAM HENSEL.

[Written for Farmers Mail and Breeze.]

There is always a good demand for pears and the trees may be depended on to produce a good crop almost every year. Buds and blossoms will stand more late freezing weather than almost any other kind of fruit. When one considers these facts, it is a wonder that pear trees are not found in greater numbers in orchards and gardens. I have raised pears successfully for 18 years and during that time the crop has never been a total failure. A number of my trees are 28 years old and still bearing. It seems that insect pests do not work as much injury to pears as on other fruits, hence spraying is not as necessary to insure sound fruit.

**Dwarf Varieties Good**

I have had best success in planting dwarf varieties such as Howell, Duchess, Anjou, Bartlett and Seckle. The Kieffer is a heavy bearer and one of my best late standard pears. The trees will do well on almost any kind of soil but it is best to have southeast protection which can be provided by planting a few rows of peach trees on the south side. My trees are planted on thin upland where there is only about 7 inches of good soil—yellow clay gumbo—underlaid with stone. The stone holds the moisture.

**Blight Can Be Avoided.**

I have never lost a tree by pear blight although several of my trees have been attacked by it. At the first sign of blight I remove all infected branches with the saw, cutting off plenty of wood. The tree will grow new limbs and bear again, often better than before the operation. I have saved trees where the whole upper part was infected. This necessitated cutting away all but a 3-foot stump. However, this treatment may not pay or be advisable. After the trees have been planted a year I give them a liberal application of wood ashes two or three times during the year.

R. 1, Alma, Kan.

## A Start With Blackberries

BY JOHN W. BOLTE.

[Written for Farmers Mail and Breeze.]

New plantings of blackberries should be made just as soon as the ground is free from frost and dry enough to work. Plant the cuttings in rows, 3 feet apart in the row, and have the rows from 6 to 8 feet apart.

Blackberries will grow in almost any soil, but it must not be too dry a location, as they require a good deal of water or the fruit will be dry and pithy. They seem to do better in a moderately good soil than in a very rich one, as excessive feeding produces stalks and leaves instead of fruit.

In setting, be sure to get the earth firm about the cuttings, and water occasionally during the first month. Blackberries will need some cultivation, particularly during the first year. A good plan is to grow low garden crops between the rows and give them ordinary vegetable cultivation. This will make the ground yield two crops for one cultivation.

Do not allow the berry rows to spread more than 2 feet wide. They will form a solid mass unless kept down between the rows.

Prune in the fall or winter by removing all old stalks, cutting them off at the ground. Cut back the new wood a half with the pruning shears. This causes the formation of fruit buds instead of wood and leaves.

Early bearing varieties like Early Har-

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This book is a gold mine of information to the farmer who is looking for bigger and better results. Ordinarily this book is sold for 35 cents per copy, but for a short time we will mail a free copy, postage prepaid, to the readers of this paper, or until a certain number have been distributed. If you will write at once you will be sure of getting a copy by return mail.

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J. M. GILMAN & SONS,  
Leavenworth, Kansas.



vest and Snyder are excellent. Eldorado is an old standby with small fruit farmers and it is not subject to the parasitic disease known as blackberry cane rust. This disease is hard to overcome and the best cure is to cut out all infected canes as soon as the rusty spots are noticed.

Blackberries are hardy and bear every year. On a larger scale one can count on selling at least an average of \$200 worth of berries yearly per acre, and often as high as \$300 to \$500 worth, the expense of cultivation and picking running about \$50 per acre.

#### A Red Cedar Grove From Seed

BY C. A. SCOTT,  
State Forester of Kansas.

Will you kindly tell me through the Mail and Breeze how and when to plant the wild Red cedar seed? How long will it take the seed to grow?—J. A. M., Tecumseh, Okla.

Our method of propagating the Red cedar is to gather the seed in October or November. Stratify it at once before it is in any way injured by drying out. Stratifying the seed merely consists of mixing it with an equal part of sand or soil that should be kept in a moist condition to prevent the seed from drying out. This mass of seed and soil

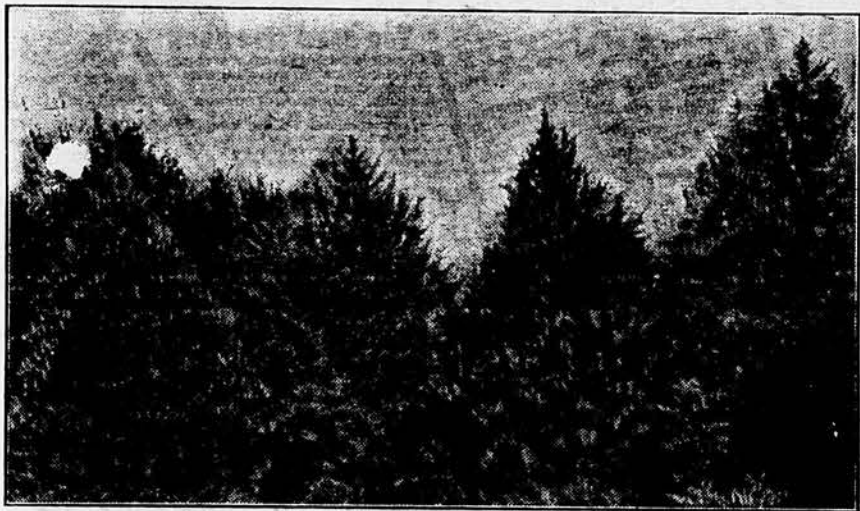
planted. The larger the tree, the more severely it should be cut back. Such trees should be transplanted as early in the spring as soil conditions will permit the work to be done. In transplanting a tree 1½ to 2 inches in diameter, or larger, it is impossible to take more than 10 per cent of its root system. Consequently it is very necessary that the top be cut back in like proportion. Cutting back is also helpful, inasmuch as it retards the tree coming into full foliage and permits the tree to develop a root system before the demand for moisture by the leaves is so great as to exhaust the vitality of the tree.

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

#### Homemade Tools For the Garden

TIME AND LABOR SAVERS.

Field methods in the garden go a long way toward reducing the labor of growing vegetables. Long rows and the proper tools to work with will do away with 75 per cent of the tedious hand work, so freely used as an argument against maintaining a garden. Because a large portion of the work must be done when other work is pressing, gar-



This is a Red cedar windbreak on the campus of Kansas Agricultural college. The trees are 30 years old.

should be stored where it will freeze during the winter. As soon as the ground thaws out in the spring, this is buried at a depth of at least 12 or 15 inches in good moist soil where it should remain until the following spring when it is taken up and sown in well prepared seed beds.

The object in keeping the stratified seed for this length of time is to insure the disintegration of the leathery husk that prevents moisture penetrating to the kernel. Moisture must reach the kernel before the seeds can germinate.

In seeding have the ground in thorough cultivation, sow the seed broadcast on the surface and then cover with not to exceed ½ inch of sand or finely pulverized soil. This surface soil should be packed or in some way firmed so as to bring the seeds and soil in close contact. The bed should be mulched immediately with at least 2 inches of old leaves or straw to insure the surface soil remaining moist until the seedlings begin coming up.

The seed should begin to germinate within 10 days or two weeks after they are planted. It is very necessary to keep close watch of the beds and as soon as the seedlings begin to come through, the mulch must be removed and a lattice screen placed over the beds to protect the seedlings from the sun and wind. This screen should provide at least half shade. At 1 year old the seedlings are transplanted to nursery rows where they are grown until of suitable size for field planting.

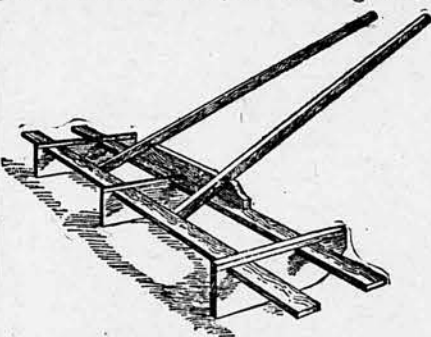
The growing of Cedar seedlings requires expert attention, and it is not advisable for farmers who must devote the greater part of their time to other work to attempt to grow them. The transplanting stock can usually be bought for less money than it can be grown in small numbers.

Manhattan, Kan.

#### Transplant Large Trees Early.

I am going to transplant some ash trees about 10 feet tall and 1½ inches in diameter. Should they be cut back or left as they are?—W. L. Bronson, Kan.

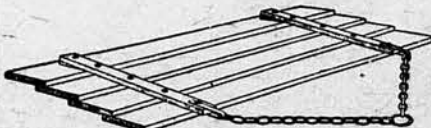
I believe in cutting back any of our broad leaved species that are trans-



Garden Marker for One Horse.

with showing the plan of constructing them. Use the plank on plowed or harrowed ground, just as soon after a rain as the surface will crumble nicely. This will not only fine the clods and level the surface, but by putting on weights the seedbed may be firmed, which with the mulch left on the surface will hold the moisture where seeds or plants will need it most.

By weighting the marker one can make



A Planker Has Several Uses.

drills deep enough for the seeds of smaller crops without using any other tool. A good job of covering them can be done with the planker, the driver standing on it, or a harrow with teeth set slantwise, will answer the purpose well. In using the marker let the outer runner follow the last drill made, so as to get all rows a uniform distance apart.

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I am reproducing here a photograph of the world's best bushel of Seed Corn—the bushel which was awarded first prize at the National Corn Exposition, Omaha, Nebraska, and which I purchased for \$280.00 cash. I gave some of this seed corn to Mr. H. V. Cochran, one of the most expert seed corn growers in America, and the seed which I offer here was grown from the prize bushel and you will find it the equal of the original bushel, which brought perhaps the highest price ever paid for a bushel of seed corn. The corn is a large pure white, deep grain, matures in less than 100 days and is an extra heavy yielder. I believe this to be the greatest opportunity ever presented for the readers of my paper to make a record increase in the quality and yield of future corn crops. The way to improve the corn crop is by the use of high-bred seed—and here is seed which I believe cannot be equaled by any other, no matter what the price. A few pounds of this seed should bring enough fine quality seed to plant your entire acreage next year.

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I have had this "Grand Champion" corn put up in one pound packages all ready for mailing. As long as my supply lasts I am going to give it away on these very attractive offers:  
**Two pounds of corn and a year's subscription (new, renewal, or extension) to Farmers Mail and Breeze—for \$1.00.** I will also give you two additional pounds for each new yearly subscription you send me other than your own at the regular rate of \$1.00 a year.

**BE QUICK! No Time to Lose!! When My Small Supply Is Gone No More Can Be Had at Any Price!**

You've no time to lose if you want to be sure of getting your share of this World's greatest seed corn! I have only a very limited quantity and can secure no more at any price when this supply is gone. Send your subscription or renewal at once. If too late, I will notify you and return money. Fill out and mail coupon at once. You can't afford to lose out on this greatest seed corn offer. Address

**ARTHUR CAPPER, Publisher, TOPEKA, KANSAS**

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I enclose \$1.00 for which send Mail and Breeze one year, also send me free and prepaid Two Pounds of your "Grand Champion" White Seed Corn as per offer.

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ers, grown by me, successfully, in Central  
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These are all big heavy trees of the lead-  
ing varieties. Express charges prepaid. Drop  
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Are great soil builders. Cow Peas are rich  
in protein and the hay equals Alfalfa in  
feeding value.

Renew the fertility of your land and har-  
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Husked before the  
frost, dried on inde-  
pendent ear seed  
racks with air and  
steam heat. Sure to grow, because germ is  
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Plant the best. I have Boone County White,  
Hildreth's and Reid's Yellow Dent. Carefully  
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## Leidigh's Answers TO FARM QUESTIONS

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

### Probably a New Name for Shallow.

Do you know anything about Desert wheat  
corn? There is a man down here that has  
a lot of it and wants a big price for it.  
—G. A. F., Paden, Okla.

There is no plant named "Desert  
wheat corn." This is probably just an-  
other individual who has seed of Shallow  
sorghum for sale. As this variety of  
sorghum has been grown in the United  
States for years, you will realize that if  
it is of any practical value, the seed  
ought to become common enough at  
some time or other to make the price  
reasonable. A. H. Leidigh.

### What Is a Bushel of Kafir?

How many pounds of Kafir does it take  
to make a bushel in the head? I planted  
40 acres last spring, got a good stand and  
it made 35 bushels per acre. Most of it  
was on sod land. My seed came from the  
Kansas experiment station and proved to  
be good. —G. A. F., Paden, Okla.

In Kansas threshed Kafir has a legal  
weight of 56 pounds per bushel. Fre-  
quently as much as 80 pounds of Kafir  
heads are required to thresh out a bushel.  
However, the heads often will run as  
high as 82 to 83 percent grain.  
A. H. Leidigh.

### To Improve a Gravelly Soil.

I have some gravelly upland I should  
like to improve in fertility. What treat-  
ment would you suggest? —C. A. B., Coffey  
county, Kansas.

Probably the best fertilizer for the  
gravelly upland is barnyard manure at  
the rate of about 10 tons per acre, every  
two or three years. Your land probably  
needs humus as much as it needs any-  
thing else, and you cannot buy this in  
commercial fertilizers. If you cannot  
secure manure for all of your field, the  
occasional plowing under of a crop of  
cowpeas or the use of Sweet clover for a  
green manuring crop is advised.  
A. H. Leidigh.

### Kudzu a Forage of Doubtful Value.

Three years ago I saw quite a few articles  
in the farm journals regarding Japanese  
Kudzu, said to be a great forage plant, a  
perennial which grew 10 to 25 feet per sea-  
son. Can you tell me something about this  
plant? —H. S., Montgomery county, Kansas.

Japanese Kudzu was introduced into  
the United States by the bureau of  
plant industry of the United States de-  
partment of agriculture. I do not be-  
lieve it has ever been regarded as en-  
tirely successful. If you will write to  
the bureau, they will be able to give  
you complete information in regard to  
this crop and can tell you what success  
has attended its introduction.  
A. H. Leidigh.

### For Early Spring Hog Pasture.

Would Sand vetch do here for a hay crop  
or pasture? How much seed would be re-  
quired to the acre? I have sandy ground  
on the Arkansas River bottom on which I  
wish to sow both Sweet clover and Sand  
vetch. I want spring hog and cattle pas-  
ture. If these won't do well here what  
would you suggest to sow? —N. N. S.,  
Sedgwick county, Kansas.

We do not advise the extensive culture  
of Sand vetch in Kansas. It is not a  
sure crop and the seed is very expensive.  
For early spring hog pasture, spring-  
sown winter rye mixed with 5 or 6  
pounds of rape or with oats will give  
the best results. You should plant the  
oats for such use at the rate of from  
1½ to 2 bushels per acre and if using  
rye, you should plant at least 1 bushel  
per acre. A. H. Leidigh.

### Sweet Clover on "Washed" Land.

How will Sweet clover do on ground that  
has the soil washed off, with nothing but  
clay soil left? I was expecting to plow up  
a piece of wheat ground after cutting the  
wheat and sow in peas. Should I  
plant Kafir or cane with them and will  
that make good hay? —C. C. P., Brown  
county, Kan.

Land such as you describe will un-  
doubtedly be improved and built up by  
the use of Sweet clover. I would not  
advise plowing this land to kill the grass.  
Just work some Sweet clover seed into  
the sod with a harrow or disk. If you  
have cowpea seed of your own raising, I  
should not advise you to purchase other  
seed. Ordinarily you do not have enough  
moisture and there is not enough time to  
justify plowing wheat stubble before  
planting cowpeas. You had better give

## LEARN HOW TO MAKE YOUR WASTE LAND EARN \$75 PER ACRE

NOT one year—but every year for the next fifty years and  
more to come—with a crop that needs practically no attention;  
that will grow under almost any condition; on land now an absolute  
expense to you. Make these waste acres go to work. Make them  
earn more than the best acres of the best section of your farm.

### Plant Genuine Speciosa Catalpa

The best, surest and most profitable crop possible. Don't confuse  
**Genuine Speciosa Catalpa** with the ordinary scrub Catalpa.  
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equal and often superior to Oak or Mahogany. In furniture, vehi-  
cles, automobiles and general building lines, it is eagerly sought  
and given preference over most all other woods.

C. W. Deiker, Stafford County, Kan., planted five acres of Gen-  
uine Speciosa Catalpa eight years ago. Last year it netted him  
\$2,044.40, or more than \$408 per acre. J. W. Cassna, Argo, Kan., has  
a grove of five acres, which at five years netted him \$775 per acre.

Let me send you the printed experiences of hundreds of other  
substantial, successful farmers. You want to put  
your waste land to work. Start this season.

**Plant Genuine Speciosa Catalpa.** You  
will be returned the large-  
est profit, and the surest  
profit of any crop possible  
for you to grow—and from  
land that does not now even pro-  
duce enough profit to meet the  
taxes. **JOE MONCRIEF, Pres.**

### You Need This Book

"Profits in Catalpa Farming" is a  
full of information regarding Gen-  
uine Speciosa Catalpa. You need  
this book. Thousands of farmers  
everywhere are writing for it. You want  
every acre of your farm to produce more  
profit. This book tells you how to do it,  
and gives you a whole lot of other money-  
making ideas. You can have a copy  
FREE for the asking.

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ESTABLISHED 1898. GROWERS AND SHIPPERS OF  
**Sweet Potatoes**

VARIETIES—Yellow Jersey; Yellow Nansemond; Red Jersey; Red Ber-  
muda; Black Spanish; Southern Queen; Early Golden; Vineless; Pride of  
Kansas; Southern Yams; California Golden; Red Nansemond, White Bra-  
zilian; Yellow Yams; Bronze. SEED AND PLANTS IN SEASON.

Phone 170 WAMEGO, KANSAS

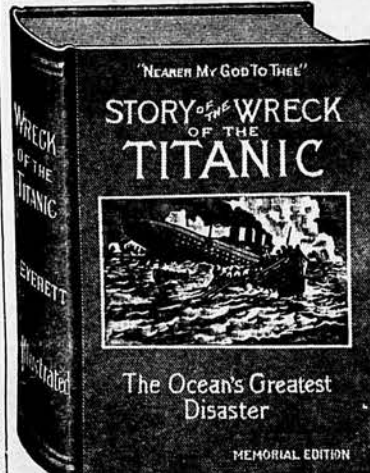
## TRENT'S SEED CORN

First Prize Five Successive Years at State Show at Man-  
hattan. This proves beyond a doubt that I have the best  
strains of seed corn in the West. Reid's Yellow Dent and  
Boone County White, fire dried, tested and guaranteed.

SPECIAL PRICE FOR MARCH ONLY.  
Write for free catalog. Every farmer should have it.  
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## BILL BROOK FARM SEED CORN

Boone County White and Reid's Yellow Dent. Well matured and well selected.  
Shelled and graded \$2.25 per bu. In ear, crated, \$2.75.  
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world, on her first ocean trip, crumples her steel prow against an  
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1600 persons aboard. Numbered among the victims were some  
of the world's multi-millionaires and men identified with the  
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Protect your stock as no other gates will. No chance to break through and get tangled up.

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We make you the same price we would make the Dealer or Jobber. That is why we can save you money. Look at these very low prices.

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**The Best Steel Gate in the World**

High carbon steel frame. All No. 9 galvanized wire mesh. Special hinges. Patented self-locking top. Steel center brace. Unbreakable. Ranges at either end. Sold on 2 years' trial at our special direct-to-you factory price of \$4.95.

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26-inch Hog Fence,....14c.  
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48-inch Poultry Fence,....22 1/2 c.  
80-rod spool Barb Wire, \$1.55

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Factory prices enable us to sell you the most reliable farm fence at a saving of not less than

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We make 78 styles of fence at 11 1/2-20 per rod and up and 64 styles of gates. Send for big four color catalog with lowest factory prices and find out about our 30 day Free Trial to Fence Buyers.

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"HEAVEN AND HELL" Swedenborg's great work. 400 pages. 1c. cents, postpaid.

**PASTOR LANDENBERGER, Windsor Place, St. Louis, Mo.**

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When a buyer asks you if you want to sell some cattle or hogs the question—What is your stock worth?—always comes up. Very often you sell your stock for less than worth and the buyer makes a large profit. You can get top prices and valuations by writing **Ryan-Robinson Commission Co.** No charge for information. 421-25 Live Stock Exchange, Kansas City, U. S. A.

the land a good 3-inch disking and then plant at once. You may use Kafir or other sorghums on the land with the cowpeas if you so desire, but ordinarily it is not advisable to use a mixture when sowing so late in the year.

**A. H. Leidigh.**

**Quality of "Billion Dollar" Grass.**

Will you please give me your opinion as to the value of Billion dollar grass, better known as panicum crusgalli? Is there any truth in the enclosed testimonials?—A. G. Montgomery county, Kan.

Panicum crusgalli, or barnyard millet, grows wild in rich low land. Perhaps the varieties offered by seedsmen are better than the almost identical wild sorts. I do not recommend that anyone seed this crop on a very extensive scale. The stands made in the advertisements are practically true. If you will write a similar description for alfalfa or Kafir or any common millet you will find that they look very good. The crop is not drouth resistant and when reaped contains a very large percentage of indigestible woody fiber.

**A. H. Leidigh.**

**Mixed Silage Crops Often Fail.**

I wish to plant cowpeas to feed with corn ensilage. What variety shall I plant that will mature about the same time as Hil-dreth's Yellow Dent is ready for the silo?—M. J. B. Allen county, Kan.

We do not advise planting cowpeas in corn in order to make a mixed crop of ensilage. This practice is all right and will frequently be successful, yet crops so planted have often failed. I should not advise that you put too much dependence on cowpeas under such conditions. In your locality cowpeas cannot be planted much before May 15 and that is probably too late for corn. If you wish to try this practice plant the New Era cowpeas. I am asking to have your name placed on our station mailing list.

**A. H. Leidigh.**

**Inoculation for Alfalfa.**

How is the germ for the inoculation of alfalfa seed produced? How is the commercial article obtained? Could the farmer not make it himself?—J. R. McKinley, Nebr.

The different cultures for producing inoculation of legumes are bacteria cultures made in the scientific laboratories. The commercial article can be obtained from advertisers in this paper. Inoculation may be produced in almost any fertile, well-drained soil rich in lime. Scatter 200 to 400 pounds of moist earth from a successful alfalfa field over each acre of this land and the inoculation so secured will probably be more satisfactory than that brought about by commercial cultures. Soil so handled must not be allowed to dry up.

**A. H. Leidigh.**

**Plant Sweet Clover Early.**

When should Sweet clover be sown for pasture or hay? How soon after sowing would it do for pasture; when should it be cut for hay; how much seed should be sown to the acre?—N. N. S., Sedgwick county.

Sweet clover may be planted early in August or almost any time in the early spring. From 15 to 30 pounds of good tested seed per acre is sufficient. What you plant this spring will not do for hog pasture until it gets some growth. In fact, I would not advise pasturing it much until August or later. If you get an extra good growing season, you may be able to pasture a little sooner than this. For either hay or pasture, the plant must be kept tender and must not be allowed to get tall, old and woody. Seed may be obtained from seedsmen advertising in the Mail and Breeze.

**A. H. Leidigh.**

**A Grass for Western Kansas.**

I would like very much to have a sample of Dwarf White milo to try on our high dry prairies of western Kansas. I live 7 miles from the Colorado line. Have tried Dwarf Red milo, hog or broomcorn, millet, German millet and Dwarf broomcorn which do fine. Would like to try a sample of timothy, Sweet clover and Bromus inermis if I can get samples.—H. Z. M., Wallace county, Kan.

The college does not have samples of White milo for distribution. Probably Bromus inermis or White clover will do well with you if your land is favorably situated in regard to moisture. I should not advise any attempt at the production of timothy. I cannot supply you with samples of this crop, because if I did so, I would have to supply everybody else who asked me and there is no fund for such purposes. However, I believe if you will write to your congressman he will undoubtedly be able to secure such seeds for you as you desire.

**A. H. Leidigh.**

**The Stanchion that Pays**

**Louden Quality has never been equaled.** In-built merit, superiority in every detail has made Louden Equipments the standard of the world—unchallenged leaders for nearly half a century.

**LOUDEN'S SANITARY STEEL COW STANCHION** is the only real Sanitary Stanchion now on the market and guaranteed to be superior to all others—The favorite of all progressive dairymen who know. It's the simplest, strongest, lightest and most durable.

The single chain, flexible suspension, patented V-shaped end, stock-proof latch, and other exclusive features make it the safest and most comfortable for the cow and most convenient for you. Lowest in cost.

Write for our FREE BARN PLAN SERVICE. State how many and what kind of stock you wish to stable. Plans drawn especially for you. Catalog Free.

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**TUBULAR STEEL "WOOD LINED"**

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**You take no risk when you buy a buggy from us.** We guarantee it to please you, and to be a bigger value for your money than you can get anywhere else, or you needn't keep it. Reference; S. H. Natl. Bank, East St. Louis, Ill.

**Mutual Buggies, Surreys, Wagons, etc.,** are the highest quality, handomest, most stylish vehicles built. The only line guaranteed 5 years. We sell direct at wholesale prices—and save you \$25.00 to \$100.00. Write for catalog and delivered prices.

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To advertise our business, make new friends and introduce our watches to you, we will send this elegant watch by mail post paid for **ONLY 98 CENTS.** Gentlemen's watch, full metal silver plated case, Arabic dial, lever movement, stem wind and set, a perfect time-keeper and fully guaranteed for 5 years. Send this adv. in with 98c. and watch will be sent by return mail postpaid. Satisfaction guaranteed or money refunded. Send 98c. today. Address **R. E. CHALMERS & CO., 538 So. Dearborn St., CHICAGO.**

**CYPRESS posts "STAY PUT."** LUMBER ECONOMY SERIES, No. 3



Here we are again, Mr. Farmer, with another preachment on Cypress, "The Wood Eternal." If we had less faith in the stuff we should not keep dinning it at you; but we know whereof we speak, and would have you know. It is to your advantage—It's dollars to you—to get the Cypress microbe into your thinking system and the Cypress fence post into your business system. If you will but give this lumber a try-out, you're certain to become a buyer, steady, of Cypress and that's what we want. We are not working for to-day alone; there will be Cypress a-plenty, after you and we are dead and the Cypress you put in will be on the job long years after our grandchildren are dead—so don't get the idea that we are trying to "unload" something on you in a hurry.

**FENCE POSTS DON'T ROT?—WHAT!**

That is, Cypress fence posts have other things to do than to rot—and do the other things first—contrary to the habits of most woods. Some posts seem born to decay, but Cypress fence posts prefer to stand where set, hold a nail or wire staple, and "stay put" for all time. Witness the "endurance test" at New Orleans, La. About the year 1800 WATER MAINS were laid in that city made of Cypress logs with 5-inch holes bored lengthwise. These were coupled with short heavy iron tubes. A few years ago these logs were replaced by a more modern and capacious system, when, lo, the Cypress logs were found sound and hearty, after a century of service in the damp earth. The iron connections were rusted out beyond redemption. The same kind of Cypress for every building or "odd job" need you have around the ranch, may be bought from your nearest lumber yard. If not write us, and we'll find you a live dealer.

**BOARD FENCE STYLISH**

The old board fence always was the handsomest and best fence, and it is coming back into style. Woven wire is all right, but it doesn't "pretty-up" the place any. No boards last like Cypress, and you may get them free from knot holes. They are stiff, strong and enduring. Enduring and then some.

**Acquainted With the Cypress Pocket Library Yet?**

If you're interested in SHINGLES ask us for Vol. 7; if in SIDING send for Vol. 9. Vol. 1 tells you much about the wood—in fact it's the U. S. Govt. Report in full. An Investment Guide worth while.

**SHIP IN THE COUPON!**

**So. Cypress Mnfrs. Assn.**  
Hibernia Bank Building  
New Orleans, La.

**"T" So. Cypress Mnfrs. Assn.**  
Hibernia Bank Building  
New Orleans, La.  
I expect to build a new \_\_\_\_\_ and \_\_\_\_\_ within the next \_\_\_\_\_ day and would like to have at once: \_\_\_\_\_ Vol. 1. U. S. Govt. Report. \_\_\_\_\_ Vol. 7. on Cypress Shingles. \_\_\_\_\_ Vol. 22. on Silos and Tanks. Also put me on the list for \_\_\_\_\_ Vol. 20. on "Farm Lumber Needs" & \_\_\_\_\_ Vol. 36. "Short Cuts to Good Farm Carpentry" (with free plans and working drawings) to come as soon as printed, (No cost or obligations on me.)

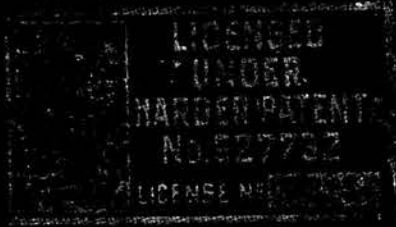
**OUT OUT THIS COUPON AND SEND IT ON ITS WAY**





## Buy Silos With Harder License Plate And Be Safe.

Leading and responsible manufacturers furnish this license plate as it guarantees the user in the safe use of his silo and against law suits.



### Another Victory for Licensed Silo Manufacturers

Judge Ray of the United States District Court, in December, 1912, holds Silo Construction with Continuous Door Opening from top to bottom and with braces and reinforcing strips for the door sections, whether "applied to the walls of the silo perpendicularly or horizontally or whether applied independently or in combination with the braces," is an infringement of the Harder patent.

This decision is sweeping and all purchasers of silos should now insist on only those silos which have the above license plate.

Only the best and most reliable silo manufacturers in the country have been licensed under the Harder patent and have the right to use the license plate like the above.

Be sure to compare the above license plate with the one put on the silo when you purchase it and thus insure safety. All our licensees supply this plate free to their customers.

UNITED STATES SILO COMPANY, Dept. 35 Anderson, Indiana

## — and Now, the Angle Steel Rib!

First, we made famous the All-Steel Door Frame. Then we started the Silo World with our patented Inner Anchor. Closely following this, came the indispensable Saginaw Base Anchor. And with this 1913 season, comes the greatest sensation of all—the patented Angle Steel Rib.

**The Result**  
What happened as the result of these inventions? Why, the Saginaw became King. In a single day, orders recently came in for 500 Saginaws. So many men now want Saginaws that another large factory has just been built. That's number 6. Now, if the Saginaw were not as strong and immovable as a big city skyscraper, would men so overwhelmingly demand it? Would all these level-headed farmers pay out their good money for Saginaw Silos if the price wasn't right? Would America's leading Silo Authorities recommend the Saginaw if it ever produced anything but clean, bright silage? Just because most any Silo is a good investment, don't get the idea that it makes little difference which you buy. Men have doubled their Silo profits simply by choosing the right Silo.

**Big Silo Book Ready**  
Our latest book fully describes the 1913 Saginaw. Don't miss getting it. Drop us a line today for Booklet 61 and you will receive it free.  
The McClure Co. (Formerly Farmers Handy Wagon Co.) Saginaw, Mich. Des Moines, Iowa Cairo, Ill. Minnesota Transfer, Minn. Ft. Worth, Texas

## \$2842.00 Profit In 70 Days on Ensilage Fed from Champion Silos

This remarkable record made by C. L. Hurd, Wainwright, Okla., shows the possibilities of ensilage feeding. It proves that the Champion Silo is best in material, construction, improvements and a real profit maker worth investigating.

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These stories bound in portfolios are free with catalog to silo prospects. They are interesting and instructive. They show how others do it, how you should do it, why it is safest and best to get a Champion Silo with solid steel interlocking door frame with malleable lugs, combination latch and ladder, steel anchors, etc. Get full particulars free today. Learn how to make silo profits like this. Address

**WESTERN SILO CO.,**  
155 11th Street,  
Des Moines, Iowa

### There is as much profit in ONE acre of corn in an INDIANA SILO as in THREE acres in a crib.

Read "Silo Profits", a book written by owners of Indiana Silos. It tells how they are getting 100% value out of field, dairy and fattening herds. An Indiana Silo will put weight on your feeders and make your milch cows pay dividends every day.

Write for Booklet. Address nearest office **INDIANA SILO CO.**  
Anderson, Ind. Des Moines, Ia. Kansas City, Mo.  
379 Union Bldg. 279 Indiana Bldg. 379 Silo Bldg.



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.

When a cow, not a kicker by habit, puts her foot in the pail, there is a good reason for it.

Whole milk will separate best at about 90° degrees. To separate cold milk means to lose part of the cream.

We have a shed for calves and they are taught their places and tied the same as cows, while feeding—C. H. B., Beeler, Kan.

A good odd job in season now is the building of a milk house convenient to the house and well.

Cowpea hay is very nutritious. I believe it is nearly equal to wheat bran as part of the cows' ration.—M. A. P., Larned, Kan.

Nothing will solve the run down farm problem like a bunch of dairy cows.

With veal at its present high price there is a big temptation to let some of the dairy heifers go. But the careful dairyman does not let this temptation get the better of his judgment.

It is nature's way to let the calf suck every little while during its early life. That is why the pail fed calf should have three feeds a day at first.

A gallon of 20 per cent cream will produce 1.7 pounds of butter fat. In a gallon of cream testing 30 per cent there are 2½ pounds of fat.

Last December we had a cow that gave bloody milk for two weeks after freshening. We dug a poke root and sliced it into her silage a few times. She soon got over the trouble.—S. W., Emporia, Kan.

### Raw Eggs a Help in Scours.

Mr. Editor—In a recent issue of the Mail and Breeze I noticed the letter on curing scours in calves. I have a different remedy that works very well. I break a couple of eggs in the back part of the calf's mouth, then stroke the calf's neck until it swallows.  
Saffordville, Kan. D. S. N.

### A Warning to Cow Buyers

BY A. S. NEALE  
Kansas Agricultural College

[Written for Farmers Mail and Breeze.]

The demand for dairy bred cows is greater in Kansas than ever before. We are receiving inquiries from prospective buyers of such stock almost every day. This indicates an awakening among our farmers along dairy lines that will revolutionize the dairy business in Kansas and bring prosperity to many farmers of the state. However, it is wise to use caution in buying dairy cattle, especially those brought in from other states. The demand is so great today that anything with the color markings of a Holstein, Jersey or Guernsey is bringing big prices regardless of quality, and there is great danger that this state will become the dumping ground for the cull and diseased stock from other states.

### Look Out For This.

Not only is there danger of getting low producing cows, but also buying cows infected with tuberculosis and contagious abortion. The tubercular test, if properly used, will keep out tuberculous animals but contagious abortion is much more difficult to detect, and when once introduced into a herd may cause more loss than tuberculosis. At present Kansas dairy stock is comparatively free from this disease and we should make every effort to keep it out.

In buying cows it is always safer to buy animals that are almost ready to

freshen or that have just dropped calves. Dry cows bought in the stock yards of Chicago or any other city should always be looked upon with suspicion. Buy only from reputable dealers who select their cattle in the best dairy districts, and who are willing to guarantee their stock free from disease, but pass up the unknown speculator who comes in with a lot of cheap stuff.

### What You Want in a Bull.

In buying purebred bulls of the dairy breeds insist on getting those from high producing ancestry. A great many poorly bred bulls are being sold for use in the dairy herds of the state. Remember that the bull is more than half of the grade herd, and that the better bred this animal is, the sooner the herd can be brought up to a profitable production.

Manhattan, Kan.

### Separator's Inventor Dead

Dr. Carl DeLaval, inventor of the centrifugal cream separator, died at Stockholm, Sweden, his native city, February 3. He is best known as an inventor of labor and time saving devices in dairying, the cream separator invented in 1878 being his greatest achievement. Other of his inventions were a milk tester, centrifugal churn, an emulsifier, and milking machine. Dr. De Laval has often been referred to as the "Edison of Dairying".



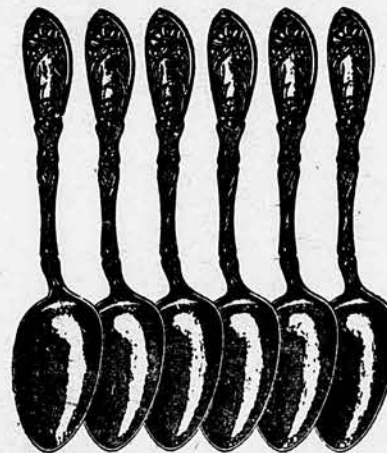
Dr. Carl DeLaval.

### Governor Stubbs a Dairyman

The future of the purebred dairy industry in Kansas looks promising to ex-Governor Stubbs. At least he has faith enough in it to invest several thousand dollars in equipping his farm near Mulvane, Kan., for a herd of purebred Holsteins. Improvements on the farm that will cost \$10,000, are being planned by the Agricultural college. Part of the herd will be bought in the East.

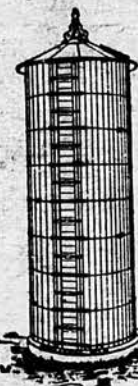
### SIX SILVER NARCISSUS TEASPOONS FREE.

I have just consummated a most remarkable purchase whereby I secured at a ridiculously low figure 5,000 sets of beautiful Silver Plated Narcissus Spoons made by the famous Oxford Silver Plate Co. Each spoon is extra heavy, full standard length, extra deep bowl and with beautifully embossed and engraved handles. I am going to give a set of



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

Cheaper grain did not produce cheaper butter. It is the work connected with dairying that adds the value to the product. If butter could be grown like crops we might expect some time to see a surplus.



## Challenge Silos WHY?

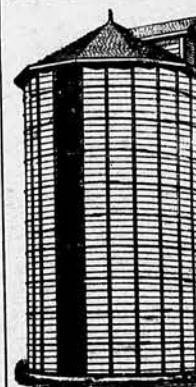
Best for your money. Anchors (both top and bottom.) Inside Brace. Steel bound door opening. Doors can't bind; always in place. True and Smooth inside. No steel parts in contact with feed. Lumber: The best to be had. Catalogue No. 60 FREE.

**CHALLENGE COMPANY,**  
127 River St.,  
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## 264 Page Book On Silos and Silage

1913 copyrighted edition just off the press. Most complete work on this subject published. Used as text book by many Agricultural Colleges. Gives the facts about Modern Silage Methods—tells just what you want to know, 264 pages—indexed—over 45 illustrations, a vast amount of useful information boiled down for the practical farmer. Tells "How to Make Silage"—"How to Feed Silage"—"How to Build Silos"—"Silage System and Soil Fertility"—"Silage Crops in Semi-Arid Regions." All about "Summer Silos" and the Use of Silage in Beef Production. Ninth Edition now ready. Send for your copy at once. Enclose 10c in coin or postage stamps and mention this paper.

**Silver Manufacturing Co., Salem, Ohio**



**When You Are** ready to investigate the silo question, won't you write—and let us tell you of the quality in the

## Minneapolis Panel Silo

The silo entirely different from all others. Wood or tile.

**Puffer-Hubbard Mfg. Co.**  
2700 32nd Ave. So.,  
MINNEAPOLIS, MINN.

## B.M.C. Special Metal-SILO

Learn about indestructible B. M. C. Silos, made of special galvanized sheets, over 99 per cent. pure iron and guaranteed acid-resisting—can't blow down, rot down, shrink, swell, check, crack or cave in. Never need tightening or loosening of bands. Also rat and fire proof. Shipped knocked down. Most practical silo made.

**SEND FOR OUR FREE BOOKLET**  
—before deciding the silo question.

**BUTLER MANUFACTURING CO.**  
1242 W. 10th St., Kansas City, Mo.

## Only \$2 Down One Year to Pay!

**\$24** Buys the New Butterfly Jr. No. 1. Light running, easy cleaning, close skimming, durable. Guaranteed a lifetime. Skims 95 qts. per hour. Made also in four larger sizes up to 5-1-2 shown here. **30 Days' Free Trial** Earns its own cost and more by what it saves in cream. Postal brings Free catalog folder and "direct-from-factory" offer. Buy from the manufacturer and save half. **ALBAUGH-DOVER CO.** 2275 Marshall Blvd. CHICAGO No. 64

## Silos kept from decay

Double life of your silo and woodwork with **AVENARIUS CARBOLINEUM** (Registered). Stops decay. Used on roofs, windmills, barns, chicken coops, fence posts. Applied like paint. Circular free. Freight prepaid. Carbolineum Wood Preserving Co., Dept. 112 Milwaukee, Wis.

## Save Work, Time, Money

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

## FREE WATCH RING and CHAIN

We positively give free a beautiful, gold-finished, engraved American made, stem wind, stem set watch, proper size, guaranteed five years. Also a beautiful ring set with three diamond cut brilliants for selling 20 jewelry articles at 10c each. Order jewelry today. When sold send \$2. **ARDEN WATCH CO., Dept. 58 Chicago**



**\$25 to \$40  
SAVED**

Here's the machine that fits in with my idea of what a separator ought to be—the right price and the right quality. The Beatrice stands alone on the separator market as the one high-grade separator at a fair-play price. Instead of paying \$100 to \$110, I paid \$75 for 1000 pounds capacity. I have yet to find a more efficient and durable machine.

**BEATRICE  
Cream Separator**

It's no trouble at all to keep it as clean as a new pin and perfectly sanitary. The patented device will clean the machine and make it spotless in less than 2 minutes. The close skimming it does is surprising. My skimmed milk doesn't show a particle of cream. The occasions I have had to put my hand in my pocket for repairs have been exceptionally few and far between.

—Farmer Onswon.

600 lbs. Capacity	\$55
800 lbs. Capacity	\$65
1000 lbs. Capacity	\$75

If you don't know the Beatrice, it will pay you to get acquainted. If your dealer can't introduce you, just write

**THE CONTINENTAL CREAMERY CO.,**  
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**Building Up a Dairy Herd**  
TWO READERS' EXPERIENCES.

Editor's Note.—Never before in Kansas has there been greater interest in cows and better cows than is shown at the present time. The big problem is to get hold of real dairy animals. To buy a herd outright would cost a small fortune. The only other way is to raise one by building up the stock you have. The two letters following show how simple and yet satisfactory this method is. The scales and tester point out the cows worth keeping in the old herd, and these bred to a purebred sire of productive stock will ere long build up a herd of real producers.

[Prize Letter.]

Mr. Editor—We have been testing and weighing the milk from our cows for the last six years and have had some interesting experiences. We started with high-grade Shorthorns but were not satisfied with the returns so bought a registered Holstein bull and later a registered cow. We were fortunate in getting a high-testing, heavy-milker for our foundation. We still have four of the original cows, the pick of the old herd, several grades and a few purebred Holsteins.

The Shorthorns do not begin to keep up with the Holsteins in milk, even though given the same identical feed and care. The purebred cow stands between two red cows in the barn and gives more milk and butter fat than both of them. These cows have been fresh five months and at present the purebred is averaging 48 pounds of milk daily, testing 3.7 per cent. The two red cows are together giving 43 pounds of milk testing 3.5 per cent. The best yield in one day by the purebred cow was 60 pounds. She will produce more than 12,000 pounds of milk this year testing 3.7 per cent. The best day's yield by a grade cow was 58 pounds. The half breed Holsteins are giving a great deal more milk than their dams and are harder to dry off. We consider these records very good as we have no succulent feed for the cows. We feed alfalfa and corn and cob meal.

G. L. Meierdirks.

R. 6, Marion, Kan.

**Improving With Jersey Blood.**  
[Prize Letter.]

Mr. Editor—Three years ago you published a report of my dairy herd in the Mail and Breeze. Since that time I have made some changes. I was not satisfied with the returns per cow, which at that time ranged around \$40 per head yearly. I had been keeping tab on my cows for 15 years and the best I could do with individual native cows and beef grades was \$50 per head. This was the type of herd I had three years ago, with the exception of one little Jersey heifer that freshened that spring. This heifer's work showed me what was wrong and what had to be done to increase the size of the cream checks.

From a Jersey breeder I bought two purebred heifers, and from another breeder a registered bull. I have been disposing of the old cows as the heifers freshened until now I have four Jerseys giving milk, and four of the old cows left. These old cows will have to make way for five half breed heifers that will freshen next fall. I also have one purebred heifer 10 months old, one half breed heifer calf and three purebred male calves.

At the beginning of the year 1912 I had 10 cows giving milk. I sold three of them during the year and the last of November a Jersey heifer freshened. So I think a good average for the year would be 8 cows. These cows gave 1,812.2 pounds of butter fat that sold for \$470.03, or \$58.75 per cow. My best Jersey gives a little more than 5 gallons a day now (March 4) which is not bad for winter weather and dry feed. The cows have 1/2 gallon of corn chop twice a day in the barn, and corn fodder and wheat hay in the lot. The wheat hay is wheat cut in bloom and stacked.

I now have the second registered bull with this herd and intend to grade them up until I have nothing but high grade and purebred Jerseys. Although the Jersey is not as hardy as some other breeds, I believe two Jerseys can be kept on the feed required for one scrub cow. When it comes to butter fat the ratio is the other way. They are persistent milkers and though they do not give a great quantity, their milk cannot be beaten for quality.

Enterprise, Kan. J. H. Poister.

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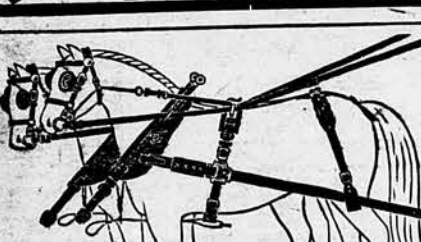
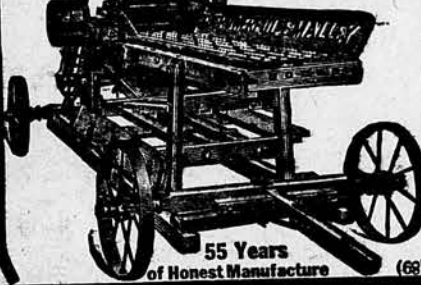
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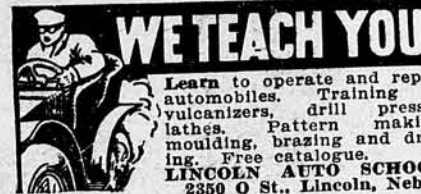
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Our readers are invited to consult Dr. Schoenleber in an advisory way in case of trouble with livestock. Be sure to state the history of the case, location of the disease and the conditions under which animal has been kept. If a horse state weight.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

### Incurable Fits.

I have a 10-year-old mare weighing about 1,200 pounds that has fits about every month, one to three times a day for two or three days. She has had this trouble five years but is still in good condition. What is your advice?—C. B., Speed, Kan.

Your mare is troubled with megrims which is a sort of epilepsy or fits. I do not know of anything that would bring about a cure.

### Failure To Breed.

We have a purebred Jersey heifer 3 years old that we cannot insure with calf. She has been bred five times but to no use. What is the trouble?—C. H., Cleburne, Kan.

Every once in a while a young heifer like this never will breed, especially if it has been kept fat. If it could be done easily, would try and reduce her in flesh and would not breed her for several periods. It is also possible that some of the genital organs may be diseased, and would be sure that the herd is free from tuberculosis.

### Premature Milk.

I have a mare bred last June and about 10 days ago milk began dripping from her bag. Sometimes it comes in a stream from both teats. The colt is not dead as I have

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seen it move. The mare is in good shape but will this condition affect the colt?—H. F. W., Willis, Kan.

It is by no means rare for some animals to give milk before parturition especially if they have had young before. If the colt is alive and the mare in good health I would not think there is cause for alarm. You might restrict her on any foods that would have a tendency to produce milk.

### Ailing Jack.

I have a jack 9 years old, and weighing 1,000 pounds, that has some bad sores on his legs that look like warts. He is slow to serve a mare for some reason. What can I feed him to remedy this and will it be better to keep him in a dark place or a lot? How much exercise should he have?—R. C. G., Seiling, Okla.

These sores are very hard to treat and in some instances they are incurable. They so attack the whole animal that it is very seldom that one can be cured to stay cured. There is little that can be done since as you say he has been on a jennet ranch. He should be allowed as much exercise as possible, or allowed to run in a lot and it would not hurt him to do from 4 to 8 miles every day in addition.

### Partial Paralysis.

I have a mule 10 months old and weighing 700 pounds that was all right one evening but next morning he was down and could not get up. After three weeks' careful attention he could stand. At first the trouble seemed to be in his back but now all his limbs are very weak. He is in good condition otherwise.—W. M., Winchester, Kan.

A partial paralysis was no doubt the foundation of the trouble. It is furthermore a question as to whether the animal will ever get entirely well. Would try giving 1/2 teaspoonful of powdered nux vomica mixed with a teaspoonful of powdered ginger in the feed once per day. It will be neces-

sary to begin with a very small dose in order that the animal will become used to the bitter taste.

### Milk Inspection.

I have a cow 10 years old that has been fresh 7 months and won't calve until September. She gives about 2 gallons of milk a day but the milk put on the stove and boiled when fresh, will curdle. Can you tell me what is the matter with this milk?—L. B., Manhattan, Kan.

Would feed this cow a heaping teaspoonful of powdered hyposulphite of soda in a little ground feed, or bran once per day. Would also see that the barn is thoroughly clean and that her feed is such that the bowels are kept in good condition. You don't give the kind of feed used, as a consequence will make no suggestions in that line.

### Lump Jaw.

I have a fine, registered Jersey male that has a swelling on the right side of his jaw. It seems to be on the bone as the skin is loose over it. The enlargement is about 5 inches long and 2 inches across and does not seem to hurt him.—L. M., Canute, Okla.

I suspect the trouble with your bull is lump jaw, especially if there is no evidence of any injury to the skin which would probably be the case if it were due to a kick. Dissolve 2 ounces of iodide of potash in 8 ounces of water and give 2 tablespoonsful of this mixture once daily in a pint of water as a drench. If it is not convenient to drench the animal, the medicine may be given in some chop.

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121. Beans, Peas, and Other Legumes as Food.
126. Practical Suggestions for Farm Buildings.
127. Important Insecticides.
142. Principles of Nutrition and Nutritive Value of Food.
152. Scab of Cattle.
155. How Insects Affect Health in Rural Districts.
164. Rape as a Forage Crop.
166. Cheese Making on the Farm.
170. Principles of Horse Feeding.
183. Meat on the Farm; Butchering, Curing and Keeping.
192. Barnyard Manure.
194. Alfalfa Seed.
205. Pig Management.
206. Milk Fever and Its Treatment.
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Topeka, Kansas

### A Crowd at St. Joe Farm Congress

Three thousand and twenty-nine men from the farm attended the Interstate Agricultural and Industrial Congress at St. Joseph, Mo., March 6, 7, and 8. The organization is to be made permanent among farmers of Missouri, Nebraska, Kansas and Iowa in counties contiguous to St. Joseph. Men of national fame addressed the sessions.

Dr. A. Ross Hill, president of the University of Missouri, and president of the congress, opened the initial session. A. J. Weaver, president of the Weaver Orchards Company, Falls City, Neb., emphasized the need of the most modern orchard methods. Early pruning, and the necessity for spraying was urged by F. W. Faurot, farm adviser of Buchanan county. J. M. Irvine, editor of The Fruit Grower and Farmer, of St. St. Joseph, also spoke. He was followed by H. M. Cottrell, agricultural commissioner of the Rock Island railway.

Rev. Henry B. Tierney, Trenton, Mo., a Catholic priest and secretary of the Trenton Commercial Club, told of the "Trenton Idea" which is that there are no city limits, and that the townsman is part of the country, and the farmer part of the town. Mrs. Cora Wellhouse Bullard, Tonganoxie, Kan., and Miss Maude Griffith, Clinton, Mo., state vice-president of the International Congress of Farm Women, discussed the country home. W. C. Brown, president of the New York Central railway, a former St. Joseph man, and owner of a big Iowa farm, was very enthusiastically received.

Dean F. B. Mumford, of the Missouri Agricultural College made a strong plea for livestock farming. The use of the simple serum method of vaccinating hogs for cholera was said to be better than the simultaneous method, by Dr. J. W. Connaway, of the Missouri Agricultural College. Farming management, was emphasized by D. H. Doane, of the United States department. Plenty of serum and a police system of regulation were urged as essentials in fighting hog cholera, by Dr. W. B. Niles. S. M. Jordan, of Pettis county, Mo., urged organization of farmers' co-operative systems.

The officers of the congress were A. Ross Hill, president of University of Missouri, president; Gov. J. H. Morehead of Nebraska, first vice-president; A. F. Galloway of Clarinda, Iowa, second vice-president; H. G. Krake, St. Joseph, secretary; J. F. Jarrell, Topeka, assistant secretary; Charles L. Wiehl, St. Joseph, treasurer.

H. J. Waters, president of Kansas State Agricultural college presided at one session and spoke on the co-operative handling of farm products.

### Leading Questions Just Now

The Mail and Breeze will be glad to have your answer to any of them.

Will western Kansas readers of the Mail and Breeze give us their opinion of corn versus Kafir? What is your choice of the two? How should it be selected and handled? Tell us your method of planting, cultivating and preparation of the ground or whatever you care to say about any of these things.

Here's a question for any part of Kansas: What have you planned on growing for roughness for your stock this season? What have you found to be best in quality or in quantity and quantity? Since hay has been bringing such a good price many figure on selling some of the hay and raising something else to take its place.

Before long the first crop of alfalfa will be ready to cut. In most sections the first crop is the heaviest, but owing to the weather is also the hardest to cure. How do you handle alfalfa that has become wet in the field? What per cent of feeding value do you think alfalfa loses that has been thoroughly wet in either swath or windrow? In what stage of curing is it safe to put this crop of alfalfa in the mow or stack? What value, for feeding, do you consider alfalfa hay to have that has been badly mow burned?

The "best" breed is the one which you like best. It rarely pays to keep several breeds upon the same farm because of the additional care and expense in keeping them from mixing.



## When Hog Cholera Rages It's a Fine Thing to Know YOUR Hogs Are Safe

Next time you read in your paper about an epidemic of hog cholera, how it is killing off hogs like flies and causing the loss of thousands and thousands of dollars, and you are beginning to wonder where it's going to break out next, just remember this: You can assure the safety of your hogs by taking this inexpensive precaution—go to your dealer and get a few cans of

### Merry War Powdered Lye

Mix it with the hog's feed or drinking water according to the directions printed on the label and feed it **twice every day**. This treatment has prevented hogs from catching cholera, even though raging right in the neighborhood. It has been proved time and time again. Here is just one example among hundreds of similar ones: "We have had hog cholera all through our district. Those who have been using Merry War Powdered Lye have missed it. One man in particular who buys it by the case has cholera all around him, but so far his hogs have escaped." **C. M. COOPER, Prop., "The Right Place," Dawson, Nebraska.**

### There Are No Substitutes

Don't experiment with an old-fashioned, ordinary lye. Get **MERRY WAR POWDERED LYE**—the time-tried remedy—the specially prepared lye that is safe to feed to hogs—that actual experience has proved to be the **safest, most dependable preventive** of hog cholera the world has ever known. Insist on the genuine and refuse substitutes.

Costs only 10c a can—enough to protect a hog from cholera, keep him free from worms and make him strong, healthy and on his feet for two months. Tones up digestion and prevents feed waste by changing every pound into firm flesh and juicy fat. Produces the kind of hogs that bring top notch prices.

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We Allow A 60-Day Test—Entirely At Our Own Risk—To Prove It. No longer any need to drag through life at the mercy of leg-strap and spring trusses. No reason in the world for letting them force you to undergo a dangerous operation.



**Away With Leg-Strap and Spring Trusses**

So far as we know, our guaranteed rupture holder is the only thing of any kind for rupture that you can get on 60 days trial—the only thing we know of good enough to stand such a long and thorough test. It's the famous Clutha Automatic Massaging Truss—made on an absolutely new principle—has 18 patented features. Self-adjusting. Does away with the misery of wearing belts, leg-strap and springs. Guaranteed to hold at all times—including when you are working, taking a bath, etc. Has cured in case after case that seemed hopeless.

Write for Free Book of Advice—Cloth-bound, 104 pages. Explains the dangers of operation. Shows just what's wrong with elastic and spring trusses, and why druggists should no more be allowed to fit trusses than to perform operations. Exposes the humbug—shows how old-fashioned worthless trusses are sold under false and misleading names. Tells all about the care and attention we give you. Endorsements from over 6000 people, including physicians. Write today—find out how you can prove every word we say by making a 60 day test without risking a penny.

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This Galloway Disc Grain Drill has been improved and developed until it now stands head and shoulders above any other Disc Drill in the world.

**Has Stood Severest Tests**

We have put this Drill to harder tests than it will ever be called on to stand in actual service. For years it has been used on the Galloway Bros.-Bowman big Canadian Farm and on William Galloway's Iowa Farm, doing actual work putting in a real crop.

That is the kind of test you can rely on because we crowded on to this drill more hard work in one season than a drill will get in ordinary use in four or five years. We wanted to beat the machine if we could and find if it had any weak points, but we found it so strong and durable that even the hardest work of the Northwest, where a drill must be built extra strong to stand up under the severe strain, will not affect it.

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**Our Guarantee and 30-Day Trial**

We absolutely guarantee that these new Galloway drills are made of better material, have more exclusive and desirable features, are stronger and more durable and will stand up and give better service than any other line of disc drills ever made. We are perfectly willing for you to try one on your own place in any kind of soil, doing the hardest work you can put it to for 30 days. If at the end of that time you are not thoroughly satisfied that the machine is all we claim for it and by far the very best disc drill you ever saw, ship it back to us and we will refund every cent of your money and pay all freight charges.

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Full description of the Galloway Disc Drill Line is given in my Big Free 1913 Catalog showing everything for farm, home and family use. Hundreds of bargains that will save you real money. Don't fail to get your copy. Postal brings it Free.



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Instructive 64-page  
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Brimful of what you  
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The Bovee Furnace  
has double the heat-  
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furnaces for amount  
of fuel consumed.  
They are made very heavy,  
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heat through the compound  
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measurements with those of  
all other first-class furna-  
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Send plans for our special  
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about one-half on the price  
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For efficiency and economy in tractor and  
inner-combustion engines use

### Kanotex Solar Oil

For sale in bulk (tank car lots) only. One  
gallon of SOLAR equal to two of Kerosene.  
**Kanotex Decarbonized Red Kerosene**  
Smokeless, for incubators, makes sure of  
the chicks. Sold in barrel lots.

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Order from our stations, or direct from  
the refinery.  
**THE KANOTEX REFINING COMPANY,**  
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this season and begin clip-  
ping the golden coupons.  
Kansas farmers find it pays  
to borrow money to tile their  
farms. In some instances the  
increased yield from one  
crop paid the whole expense.  
Names of farmers given to  
those who would investigate.  
Get the booklet, "Proper  
Methods and Results of  
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Disc at list prices. Send for complete lists  
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The Kansas  
State Agricultural College  
offers by Correspondence a course in  
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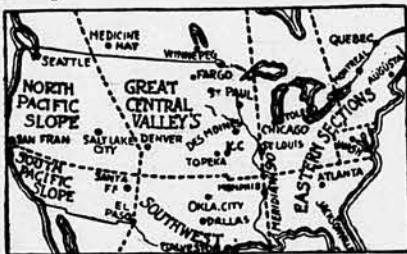
## FOSTER'S FORECASTS

(Copyright 1912 by W. T. Foster.)

Washington, D. C., March 22.—Last  
bulletin gave forecasts of disturbance to  
cross continent March 23 to 27, warm  
wave 22 to 26, cool wave 25 to 29.  
This will be a continuation of the dan-  
gerous storm period. Temperatures will  
average higher than usual. Precipita-  
tion will average below normal but  
heavy rains will fall over a few small  
sections. The most severe storms of this  
month of dangerous storms are expect-  
ed to accompany this disturbance and  
to occur in the great central valleys  
within a few days of March 25.

Next disturbance will reach Pacific  
coast about March 27, cross Pacific slope  
by close of 28, great central valleys 29  
to 31, eastern sections April 1. Warm  
wave will cross Pacific slope about  
March 27, great central valleys  
29, eastern sections 31. Cool wave will  
cross Pacific slope about March 30,  
great central valleys April 1, eastern  
sections April 3.

Storm waves will follow each other  
in rapid succession from about March



(For Better Understanding of the Forecasts.)  
Broken lines separate map into eight great  
valleys including the Northwest and  
Southwest, and Eastern Sections including  
the Lakes, the Northeast, the Southeast  
weather districts, named North Pacific  
Slope, South Pacific Slope, Great Central  
and Washington. The dividing line bi-  
secting St. Louis is meridian 90.

23 to April 9 and another disturbance  
will reach Pacific coast about March 31,  
cross Pacific slope by close of April 1,  
great central valleys April 2 to 4, east-  
ern sections 5. Warm wave will cross  
Pacific slope about March 31, great central  
valleys April 2, eastern sections 3.  
Cool wave will cross Pacific slope about  
April 3, great central valleys 5, eastern  
sections 7.

This disturbance will continue the  
high temperatures, heavy rains in a  
few places, severe drouth in large sec-  
tions and will be followed by cooler  
weather. The dangerous storms of  
March seem to center near 25 and of  
April near 4. While this month of dan-  
gerous storms does not promise to be  
the most severe of the year it is so long  
drawn out that the storm damages may  
be as great as those of next July.

### State Loans to Farmers

Minnesota is preparing to meet a long  
standing need by providing for lending  
money to the farmers of the state. The  
St. Paul Dispatch says the need of set-  
tlers has brought the state face to face  
with the fact that it must be made possi-  
ble for settlers to build up farms and  
homes without undergoing the hardships  
which in the past have resulted in thou-  
sands of good men giving up an unequal  
struggle.

The newspaper goes on to say that  
lending money to farmers on long time  
payments is good business policy. As  
has been pointed out more than once, the  
farmer is at a great disadvantage in the  
one particular of getting capital to carry  
on his business. Credit facilities are  
demanded that will meet his needs. No  
private system does this. His particular  
necessity is long time loans at a  
low rate of interest.

In New Zealand money is lent at 5  
per cent, to be repaid in 40 semi-annual  
payments. Such a system makes it pos-  
sible for the farmer, in case of a bad  
year, to borrow the small amount neces-  
sary to make his payments.

The state, by lending this money,  
makes a safe investment, gets a fair in-  
terest on its money, and does that most  
sensible of all things, namely, builds up  
its own wealth and prosperity.

Every dollar so invested by the state  
comes back manyfold in the upbuilding  
of the state in agriculture, in industry  
and in citizenship.

## City Style *Glide* Country Service for 1913

THE GLIDE "36-42" is the car for the country because its quality will with-  
stand the hardest service over roughest roads. Yet it is the choice of par-  
ticular city buyers also, because added to this structural quality it has the  
style, grace and superb finish to make it envied on the boulevard.

The simplicity and accessibility of its parts make the GLIDE practically  
trouble proof.

You don't ever have to pump the tires by hand! The new GLIDE Motor-  
Driven Tire Pump does away forever with all the tedious effort and hard work  
of hand pumping.

The GLIDE Automatic Dynamo Electric-Lighting System enables you to  
light all lamps with the turn of a button.

And there's no hand cranking of the engine to start. The GLIDE Self-  
Starter is sure of a spark, regardless of whether the points of the Magneto are  
together or not.

The GLIDE Center Control is simplicity itself and en-  
ables driver to get out of the car quickly and comfortably  
on either side. The left side drive means ease and safety  
of driving—you can see your margin of road ahead. The  
GLIDE is a car for women as well as men—convenient,  
safe, clean.

### Write NOW for 1913 Bulletin

describing and illustrating the GLIDE "36-42" in detail, in both 2  
and 4-passenger styles. Get your pencil out right now and drop  
us a postal before you forget.

**THE BARTHOLOMEW COMPANY**  
66 Glide Street, Peoria, Ill.



Fully equipped \$1690  
Less Top and Glass Front \$1640

### To the Dealer:

If the GLIDE agency is  
open in your terri-  
tory you may have it  
now on advantageous  
terms. Later you'll  
not be able to get it on  
any terms. Once a  
GLIDE dealer, al-  
ways a GLIDE deal-  
er. It's an asset a  
man doesn't give up.  
Write Today.

## FACTORY PRICES YOURS

The famous WITTE  
Gasoline Engine, built  
for 45 years by Ed. Witte,  
master engine builder, now sold direct to you.  
The standard engine of America, with every im-  
provement up-to-date—detached cylinders, verti-  
cal valves, etc.—the entire engine backed up by a  
Real 5-Year Guarantee. Just think! It takes  
only 2c to get the money-saving, factory prices  
on 54 styles and sizes. Save money! Write at  
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State style and size wanted. Address  
**WITTE IRON WORKS CO.**  
1547 Oakland Avenue, Kansas City, Mo.

## A Great Horse Story KATE and QUEEN

By Prof. Jesse Beery  
Surpasses the famous "Black Beauty"  
"Kate" a victim of poor  
handling is vividly contrast-  
ed with "Queen" who was  
more fortunate. You  
sympathize with one  
rejoice with the other.  
Prof. Beery has woven into this in-  
tensely interesting story, many valu-  
able suggestions for handling horses  
—a result of a lifetime's experience.  
Thousands praise it. Sells for 60c,  
but a limited number only will  
be sent for the names and ad-  
dresses of 5 horse owners and  
10c to cover postage and pack g.  
**FREE** With each book we also send  
a FREE a beautiful colored  
picture of Queen—oil painting effect  
—suitable for framing. Send today.  
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WITHIN the next three days we want to  
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in at least one home in every town and  
country district in the Southwest. In order  
to do this we are going to make a very strong  
inducement in the way of the lowest net cash  
local agents' price ever quoted on a high-  
grade kitchen cabinet. We don't ask you to  
risk a penny of your money, as we take all  
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is all we ask you to do—just permit the Gold  
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make it possible for you not only to secure  
one of these beautiful \$30 cabinets free of  
any cost to you, but will make you a propo-  
sition which will enable you to clear a whole  
lot of money in profits from sales we will  
make to your neighbors with your help.



## Big Profits For You on Every Sale!

No Canvassing! No Soliciting! No Public Work!

We have already placed more than a  
thousand Gold Medal Cabinets in the best  
homes in Kansas and the Southwest. We  
claim that the Gold Medal is the equal of  
any \$30 cabinet on the market, but it is  
sold on our popular club plan at a price  
far below its real worth—and to you we  
want to make a proposition which will en-  
title you to a still lower price. In fact, we  
will quote you our lowest local agent  
price and will make you a proposition  
which will enable you to secure your cabi-  
net without cost and make big profits on  
every sale we make to your friends and  
neighbors through your influence. The  
Gold Medal is constructed throughout of

best grade Golden Oak and has all the de-  
sirable features—flour bin, china closet,  
sugar bin, nickel top, metal bread-and-cake  
box, large cupboard, zinc bottom, kneading  
board, etc., etc., such features as are found  
only in the most expensive cabinets. The  
Gold Medal is worth \$30, but we sell it for  
just about half this price on payments  
amounting to only a few cents each week.  
If you want to secure first call on our  
factory agent proposition in your locality  
send your name and address at once for  
large illustrated descriptive circular of the  
Gold Medal Cabinet, and full particulars of  
our Club Plan and our factory agent propo-  
sition to you. Address

**MAIL AND BREEZE CABINET CLUB, 200 Copper Building, Topeka, Kan.**



# CROPS and FARM WORK

**Oat Sowing and Field Work Received a Setback by Reason of the Cold Snap—Wheat Improving With Spring—Broomcorn in For a Short Acreage This Season—Oat and Kafir Plantings to be Increased**

(Crop Reporting Service of Farmers Mail and Breeze.)

A return engagement of winter last week put a sudden stop to all farm operations and prolonged oat sowing another week. For the time it lasted the storm of last week was undoubtedly the roughest of the winter. John Zurbuchen of Ford county reports it was particularly hard on bare wheat fields. But as a whole wheat looks most promising and has been showing better prospects for a crop every day since the snow melted.

The general practice this spring seems to be to put in a large acreage of oats, Kafir, milo and cane, and a correspondingly small acreage of corn and broomcorn. Broomcorn in particular will be cut short, following the very unsatisfactory market since the last crop was harvested. This is strictly in keeping with broomcorn history of the last few years. A short acreage has been invariably followed by high prices, which in turn have stimulated large plantings the year following, when the bottom fell out of the market again. It is a Mail and Breeze notion that the man who raises the most money out of broomcorn, is the one who puts out a moderate crop each year, that does not require too large an outlay for harvesting.

W. C. Douglass of Woods county, Oklahoma, reports nothing but milk cows left in farmers' hands, and high prices are taking away some of them. The present cattle shortage is almost unprecedented in history and hogs are not much more plentiful. The scramble to restock continues and prices for everything feedable are being boosted accordingly.

Families who moved out of the short-grass counties a year ago, are returning, says Reporter White of Wichita county, Kansas.

## KANSAS.

**Gove County**—Ground is dry and needs moisture. Wheat starting nicely. Weather cold and windy. Some snow fell yesterday but drifted badly. Cattle doing fine and prices high. Everything sells well at sales. —H. W. Schaible, March 15.

**Grant County**—Some farming being done and a little barley and oats sown. Ground is quite dry and we need moisture. Wheat prospects poor. Cattle wintered in fine condition. Stock selling high at sales. Corn 40 cents, milo 40, butter fat 31, eggs 12.—J. L. Hipple, March 14.

**Harvey County**—The melting of the late snow and added showers has made fall wheat look fine and promising. As soon as the ground dries off oat sowing will begin in earnest. Stock doing well. Milk cows bring \$50 to \$75, corn 50 cents, seed oats 40, potatoes 70 to 85, eggs 14, butter 25.—H. W. Prouty, March 13.

**Barber County**—The weather man has been good in this county. Sowing oats in order. A year ago oats were sown in April. Wheat has come through the winter in good condition. Hogs and cattle doing well and going up in price, instead of down as many believed. Corn 50 cents, butter 22.—G. H. Reynolds, March 8.

**Montgomery County**—Weather changeable this week with light snows and showers. Oats sown before February 19 is sprouted and will be up in a few days. Wheat 50 per cent better than last March and some of it covers the ground. Sale season over and renters are located for the summer.—J. W. Eikenberry, March 15.

**Wichita County**—Spring wheat being sown. March 14 was roughest day of winter. Ground in good shape. Larger crops than the average will be put in this spring. Many families who left the county a year ago are returning. All stock doing well and is high. Cane seed 75 to 80 cents, butter fat 31, eggs 15.—J. E. White, March 15.

**Morris County**—Snow, rain and hail have filled ground full of water and some has run off. Roads are in a deplorable condition. No field work can be done for 10 days. What wheat is out looks well. Silo agents are busy and some farmers are contracting with them. All stock and other property have sold well at sales, especially cattle. Feed plentiful.—J. R. Henry, March 15.

**Meade County**—Blizzard today. Wheat on sandy ground was beginning to look fine. Ground still dry and on hard land much of the wheat is not yet up. We need a good rain and warm weather. Too dry to plow. Oat and barley seeding in progress. Cows sell high at sales. Horses not as high as a year ago. Corn selling from car at 52 cents, wheat 75, hogs \$7.25.—W. A. Henry, March 14.

**Ford County**—Another storm struck this county March 14 which was hard on bare wheat fields. Thermometer was down to 10 above zero and snow drifted badly. Considerable oats sown the last 10 days. Other farmers have just started to work their ground for barley and oats. Stock healthy

and plenty of feed in the county. Alfalfa hay \$7 in stack, wheat 76 cents, corn 45, oats 44 to 55, cream 31, eggs 14.—John Zurbuchen, March 15.

**Allen County**—Not much farming done to date. No oats sown here. Ground is wet. Some flax to be sown. Chinch bugs seem to be plentiful. Feed plentiful and stock will go on grass in good shape. Some clover sown. Pigs arriving and about half the crop being saved. A few colts are also reported and it looks as though there will be plenty of them later. Fat hogs and cattle are scarce. Calves bring \$10 to \$30, cows \$40 to \$90, hogs \$8.—Geo. O. Johnson, March 15.

## OKLAHOMA.

**Washington County**—Have had an unusual amount of moisture thus far in March. Oat sowing about finished. Acreage large. First sowings showing green. The last few days have boosted wheat which looks fine. Pastures greening up. Most plowing done for spring crops. Corn 60 cents, oats 50, eggs 15, hay \$10.—J. M. Brubaker, March 15.

**Custer County**—Three good rains this week have brought all field work to a standstill. Rain was much needed to soak up subsoil. Wheat looks better than it did this time a year ago. About half the oat acreage sown. The cold wave of March 14 was hard on stock. Hogs \$7.50, eggs 13 cents, hens 11.—E. E. Baker, March 15.

**McIntosh County**—Light showers the last two weeks have kept everything moving nicely. Wheat fields look fine. Oat fields are green. Potatoes all planted and onions, lettuce, and mustard show in the row. About 20 per cent of corn crop was planted this week and it will be pushed to a finish soon. Pasture has started.—H. S. Waters, March 15.

**Ottawa County**—Cold, snowy weather. Oats about all sown. The acreage is large. Nearly everyone has gardens made and potatoes planted. Hay getting cheaper and a lot of it to sell. Cattle scarce and high and hogs none too plentiful. Seed oats 50 to 55 cents, corn 55 to 60, eggs 20, butter 30, potatoes 25.—C. R. Jackson, March 15.

**Roger Mills County**—Spring work well under way. Had little moisture all winter until March 12 when we had a fine rain. Ground is in good condition now. Not much wheat in this neighborhood. Milo not all threshed yet. Not as much broomcorn to be planted as usual. Good prospects for fruit. No hog cholera. Cattle and hogs high.—Hugh Sober, March 13.

**Woods County**—Plenty of moisture and wheat looks fine. Farmers busy preparing ground for spring crops. Some oats sown. Spring crops will be oats and Kafir largely. Very light crop of corn and broomcorn to be put out. Horses and mules selling high. Very few hogs in the country and pig crop will be short. Nothing but milk cows in farmers' hands and high prices are causing these to sell short.—W. C. Douglass, March 14.

**Harmon County**—Farmers have begun to plow since the fine rain. Not much farm work done. There is still some cotton to be gathered owing to so much bad weather. Eggs 12½ cents, butter 20.—I. E. Grant, March 12.

For Newcomer Or Old Settler.

Mr. Editor—I have been a subscriber to Farmers Mail and Breeze ever since we moved to Oklahoma from an eastern state four years ago and I enjoy reading it very much.

Mrs. E. G. Ferguson.  
Anadarko, Okla.

## The Most Practical Lister— Backed by a 30 Year Record

We made the first 2 row lister—in 30 years we have sold these listers to hundreds of corn belt farmers—not one has been returned to us. This means that our Famous Double Row Riding Lister (for six horses abreast) has made good in every instance. It means that every farmer buyer is a satisfied buyer—the implement has "stood up"—has made good—has upheld our every claim for it—that it is the most practical, the best scouring, most simply and durably constructed (with toggle joint accurate gear drop connecting main wheels) on the market today. The Famous Double Row Riding Lister will make you money because it will actually

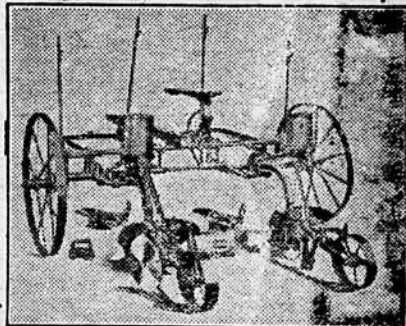
### Save the Expense of One Hired Man

Leveling Lever at each side raises and lowers each lister independently with marvelous ease. Comes equipped with regular 6 horse evener and two roller coulters with either disc or cover shovels as desired. Also provided with press wheels at small additional cost.

The Famous Double Row is the lister for you—because it is sold on an absolute guarantee of satisfaction or your money back. It's the best lister you have ever used.

Write today for free illustrated booklet describing this lister in detail.

**SWANSON-ST. JOSEPH  
PLOW CO.  
St. Joseph, Mo.**



## Just as Easy to Buy a Good PIANO!



It's so simple and so satisfactory too when you buy it at Jenkins. You will never need apologize for the quality of the piano you buy at Jenkins. You'll never feel that you paid too much. You'll never hear that someone bought the same piano for less. The JENKINS ONE PRICE, NO COMMISSION PLAN IS YOUR PROTECTION.

### Quality—Reliability—Economy

These positively go with every piano bought of Jenkins. We make the lowest prices in the United States on standard high class pianos. WE'LL SEND YOU A PIANO ON APPROVAL. If it is not satisfactory in every way, send it back.

Steinway, Vose, Kurtzmann, Elburn Pianos on comfortable payments. Write for catalog and prices. High class guaranteed Player-pianos, \$435 and up. Call or write.

### What They Think of Good Pianos

Gentlemen—I feel that I am indebted for a very great many courtesies in connection with my piano contract and I am very appreciative. Trusting to have further pleasant business relations with your house and assuring you that my piano is still in most excellent condition.—Prof. D. F. Conrad, head of the piano department of Central College of Lexington, says it is the best Vose piano he ever played on.

(Signed) B. M. LITTLE, Supt.  
Lexington Public Schools.

**J. W. Jenkins Sons Music Co., Kansas City, Mo.**

## JANESVILLE Pivot Axle Disk CULTIVATOR 6 Times Over By 3 Times Through

Manufacturers  
of Farm  
Implements

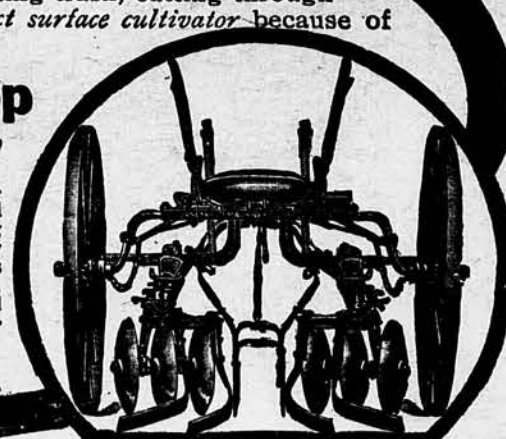
A double cultivation, every time through! That's what the Janesville Pivot Axle Cultivator means. Every advantage of the disk—pulverizing the hardest, baked soil, penetrating trash, cutting through weeds, cornstalks, etc. And in addition, a perfect surface cultivator because of our springy, vibrating surface blades.

### We'll Take The Extra Crop On 40 Acres As Our Pay

We make that absolute guarantee. We know what the Janesville has done. It is a machine that makes it easy to do good work. Levers force disc gangs into hardest ground without extra leg work on part of hired man or boy operator—guiding of disc gangs done by feet on long levers connected direct to pivot axle. Insures farmer that his crop will be well tended. Surface blade follows disc gangs, fills up trenches, throws dirt to or from the rows, destroys weeds, drags them out, leaves soil in thoroughly pulverized condition. Combines all features of "special" surface cultivator and disc—leaves soil in best condition for largest yields.

Send Name for our booklet about this splendid money saving implement.

The Janesville Machine Co., 42 Center St., Janesville, Wis.







## Poultry Keeping

CONDUCTED FOR FARMERS MAIL AND BREEZE BY REESE V. HICKS, PRES. 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.

March chicks make early layers.

One nest to four hens is about the right proportion.

Bran for the whole poultry flock is always in season.

This is a good time to plow up poultry yards and runs.

Fifty chicks to the common sized brooder is a safe limit.

Sloppy food is a fruitful source of bowel trouble in chicks.

Nothing like a warm, March sun to make early chicks thrive.

Clean surroundings afford the very best protection against disease.

It pays well to know the hens from which you save your eggs for hatching.

One common mistake made by the

### Saves Her Little Chicks

Dear Sir: For the benefit of your readers you may print the following. "I have been in the poultry business for years and have lost thousands of incubator chicks from bowel trouble or White Diarrhoea. Three years ago, I sent 50c (M. O.) to the Walker Remedy Co., L4, Lamoni, Iowa, for a package of their Walko Remedy, and since using it have had splendid success. Raised over 90 per cent and lost only a few from bowel trouble. Never had such a thrifty flock of the little downy fellows. If more poultry raisers knew of this remedy there would not be so much loss from that dread disease, White Diarrhoea. Mrs. J. L. Shoemaker, Lucerne, Kans. Adv.

## Special For Poultry Advertisers

Do you know that Farmers Mail and Breeze devotes more attention to poultry, carries more poultry advertising and sells more poultry and eggs than any other weekly farm paper in the entire country?

It's a fact.

To take care of a lot of good poultry matter, the

April 5th Issue

Farmers Mail and Breeze

will be a Supplementary Poultry Number. And it will make sales for advertisers.

### SOME 1913 LETTERS.

Please discontinue my poultry ad as I am sold out. Your paper sure did the biz. I got inquiries galore from Oklahoma.—E. L. M. Benfer, Leona, Kan., February 21, 1913.

Please stop my cockerel ad at once as I have got more orders than I can fill. Your paper sure does the work.—O. M. Lewis, Holsington, Kan.

Through your ad I succeeded in disposing of all my surplus stock and will use your columns again when I have anything to sell.—Mrs. Whitney, Fairview, Kan., March 7, 1913.

Please do not print my ad any more. Am all sold out long ago.—A. D. Morrison, Iola, Kan., February 26, 1913.

Please discontinue my ads in your paper for B. P. Rocks and M. B. turkeys. Am entirely sold out. Could have sold more.—H. E. Baehelder, Fredonia, Kan.

If you want more proof, ask for it.

Circulation Over 104,000 Copies Each Issue Absolutely Guaranteed

We have a special, low rate for poultry advertising. Write for it to

Farmers Mail and Breeze  
Topeka, Kansas

poultry beginner is to keep too many birds for the amount of room he has.

Keeping something in the grit and shell hoppers will mean harder shelled eggs.

All the young chick needs and should have until 48 hours old is fine grit and water.

Scalding out drinking vessels once or twice a week is a precaution that pays well in the end.

### A Turkey That Is Making a Record

Mr. Editor—I always read the Mail and Breeze from cover to cover with great interest. The items on the poultry pages, as well as those under the other agricultural headings are especially interesting and useful. I want to tell you of an extraordinary White Holland turkey hen I have. She began laying early in March last year and had laid 33 eggs when I set her. October 21 she began laying again and to date (March 3) she has laid 84 eggs. During this time she has become broody twice. I broke her up each time and she soon began laying again. She has now laid 49 eggs without offering to set. Walter R. Meeker.

R. 4, Erie, Kan.

### Laid Well During Cold Weather.

Mr. Editor—During the last 10 days, beginning February 23, our 41 White Crystal Orpington hens have laid 211 eggs, which we think is doing pretty well for the kind of weather we have had. I feed my flock 1½ quarts of wheat in the morning in a deep straw litter, and in the evening the same amount of corn. They have a dry mash before them made up of 2 pounds bran, 1 pound shorts, 1 pound corn meal, and ½ pound oil meal. I do not believe in feeding wet mashes or any kind of forcing food. For meat they get rabbits, and they always have plenty of oyster shell, grit, charcoal and water. Their green feed is alfalfa hay, and they also get the table scraps and pot cheese. Gustaf Nelson.

R. 1, Falun, Kan.

### Why a Flock "Runs Out"

Mr. Editor—Do not change breeds every time a "better" one springs up. If yours has "run out" run it back. For years, you have used the early maturing pullets and most vigorous hens as hatchers, because they have laid all winter and gone broody. You have given them eggs laid by those of the flock that were slower to do business, the slower maturing or later hatched pullets and the long resting hens, and so have been perpetuating the poorer quality of the flock. To build it up, select a breeding pen of the best and use only the eggs from this pen for hatching. Get rid of all "roosters" not needed for this pen and produce for market, infertile eggs—better keeping eggs, which will mean much less loss on the market. W. E. Vaplon.

Ft. Collins, Colo.

### Rearing the First Hatch.

[Prize Letter.]

Mr. Editor—I hatch most of my chicks with the incubator but raise them without a brooder. I leave the chicks in the machine until they are thoroughly dry, then put them into flannel lined baskets. I do not crowd them as the strong will trample the weak and some are apt to be smothered. The basket is set on top of the incubator or in a warm room and covered with old woolen cloth. When 48 hours old they get their first feed which is bread crumbs, and I also supply them with dry sand for grit. The third day they are turned loose in a large, roomy box with chaff in it and whenever the weather permits this is placed out of doors in the sun.

One should not keep them too warm at any time. The thing to do is to gradually harden them to stand the chilly weather of early spring. I feed them every two hours at first, gradually decreasing the number of feeds until at 1 month old they are fed three times a day. I feed light bread, corn bread, and oatmeal. The infertile eggs from the incubator are boiled hard and fed the first 10 days. Onion tops and green alfalfa are good for green feed as soon as they may be had. In feeding young chicks, two main precautions are, not

to feed too early and not to feed too much. Keep them supplied with fresh water and grit, then see them grow. At two weeks old I begin giving them the small grains, Kafir, millet, milo, and cracked corn.

Fowler, Kan. Mrs. C. K. Turner.

### Going Back to the Farm.

Mr. Editor—After four years as probate judge I am going back to my farm. What do you think of that? I believe after all, with a telephone, mail delivery, parcel post, and automobile, a man is better off on the farm, if well managed. Send the Mail and Breeze to my new address that I may farm and farm right.

I would like to see Tom McNeal's idea concerning real estate enacted into law. This thing of one man owning all the land he can buy providing he has the price is wrong. It ruins the country. I would tax the man with more than a certain amount of land, so he would be glad to have it owned by some one willing to make a home of it. We have too many farms that are not homes. T. R. Wells.

Cottonwood Falls, Kan.

### Four Big Papers For \$1.10

The Mail and Breeze is enabled to make the biggest clubbing offer it has ever had, and for only \$1.10 will send all four of the following papers for one year each:

THE MAIL AND BREEZE of which nothing need be told our own subscribers or those reading this copy of the paper. It speaks for itself.

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

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

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

Remember, all four of these big papers will be sent to one address or to four different addresses if so desired for only \$1.10. If you are a subscriber to any one of these papers your time will be advanced another year. You will be supplied with the best class of reading matter for a full year. Don't fail to mention the names of these papers in sending in your order. Send your order to the

MAIL AND BREEZE, TOPEKA, KANSAS.

New York spends 25 per cent of its tax income in paying interest on its debts. So does Baltimore.

### DON'T LET YOUR CHICKS DIE

But write today for our free book that tells you how to make a simple solution that will save 90 per cent of those that will stand up and drink once. Send the names of three or more incubator owners. Book free. Write for it today. HAZEN CO., 1105 Gloyd Bldg., Kansas City, Mo.

Do You Want This Incubator for less than \$4.00? Beats anything you ever saw. Will out-hatch any other. Catalog and lowest prices free. Write to EMIL OCHSNER, Box 3, Sutton, Nebr.

### Poultry Business

Pays big profits—\$3000 up per year—to those who know how. Our illustrated book shows how to get most in pleasure and profit from poultry raising. It's free. Send for it now. Address Reese V. Hicks, President, POULTRY SCHOOL, 608 Copper Bldg., Topeka, Kan.

### Save Your Chicks

We can help you. Send us names and addresses of (10) poultry friends and receive our revised 32 page book on "White Diarrhoea, the Greatest Foe to Chick Life." This book makes Poultry Profits Possible; gives care and feeding of chicks and Turkeys; also cause and guaranteed cure for bowel trouble. Above book FREE postpaid for the names. Write today. F. K. REMEDY CO., 740 Second St., Arkansas City, Kansas.

### BEE SUPPLY HOUSE

Everything for the Beekeeper. We manufacture the latest and most approved supplies and sell direct from factory at factory prices. We're old-time bee people in the heart of a bee country. We know your needs. Send for catalogue. Early order discounts. Don't buy till it comes. THE LEAHY MFG. CO. Rolf Street, Higginsville, Mo.

### The Fostoria Incubator

This incubator has been thoroughly tested in the hands of users and has proved its superiority. It is made of the best redwood lumber and is worth the price. It has a double acting regulator that acts quickly, surely and always. Equipped with Tyco's thermometer, the best made. It requires less oil. A special feature is the alarm which makes care of the machine easier and is another check on the temperature. No, it isn't fool proof, but if handled according to simple instructions it will hatch the hatchable eggs. Find out all about the incubator made in the good state of Kansas. Two sizes, 150 and 200 eggs. 30 or 60 days' trial. Money back if not satisfied. Send for the free catalog.

FOSTORIA INCUBATOR COMPANY, B Street, FOSTORIA, KANSAS.

## 100 per cent hatches

Users of my Belle City Incubator are doing this right along. Write me for proofs! Be sure of success. Use the Belle City. U. S. Government is one of my 201,840 Belle City users. If you are in a hurry, order direct from this advertisement. My money back guarantee protects you, and I'll send all proofs with your incubator. Jim Rohan, President, Belle City Incubator Co.

### 140-Egg Belle City

World's Champion Incubator has won its title over all comers—no matter what the price—many of them selling for 4 times more. Why pay more? Get in the championship class. Start early. Send only \$7.55 for my 140-Egg Incubator. Double walls and door and dead air space all over, copper tank, hot water heat, self-regulator, "Tyco's" thermometer, egg tester, safety lamp, nursery, high legs, \$4.85 for 140-chick hot water top heat, double wall brooder—send only \$11.50 for both ordered together. Handiest machine to run; surest of results, 1, 2 or 3 Months Home Test allowed. Send for World's Championship "Hatching Facts," telling all, or if in hurry, order from this ad. I take all risk. Same trial and guarantee freight paid—money refund. \$1 if not satisfactory. Thousands order this way—so can you. \$7.55 Freight Prepaid East of Rockies

140 Chick Brooder \$4.85  
Jim Rohan, President  
Belle City Incubator Company  
Box 21 Racine, Wisconsin  
Write quick from St. Paul, Buffalo, Kansas City or Boston

## Price Less Than \$10

Freight Prepaid East of Rockies—That Far Is You Live Beyond. Book FREE

## QUICK!

Get Johnson's Book

It tells so many facts not found in other books that you need it, no matter which others you have. Home made, home printed, plain and practical from cover to cover. Tells about the

## OLD TRUSTY

Incubator—over 400,000 in use—all sold on 30 to 60 days' free trial, 10 year guarantee—direct from factory. Price less than \$10. Write to Johnson and read his book—then select your incubator.

JOHNSON, INCUBATOR MAN, Clay Center, Neb.

## "HATCH ALL"

INCUBATORS and BROODERS

RUN THEMSELVES

Keep the lamps filled, the wicks trimmed. They do the rest.

"HATCH ALLS" save you worry. Make you more clear profit than any other incubator or brooder in America. Patent copper heating system. Triple walls. Your money back if not satisfactory.

HATCH ALL INCUBATOR CO.

Main St. Hebron, Nebr.

EASY TO CLEAN

A HOT WATER BROODER

WE PAY FREIGHT



## Egg Farming on a Large Scale

BY WILLIAM C. PATENT.

[Written for Farmers Mail and Breeze.]

At the Yesterlaid egg farm near Pacific in south central Missouri the methods and equipment used differ somewhat from those on the ordinary poultry farm. This poultry farm differs from others mainly in its housing, and methods of pedigree breeding for heavy egg production. Instead of using small colony houses, or long continuous houses made up of several pens there is a large two-story, two roomed "hendwel" which will accommodate 1,000 hens together with the necessary male birds.

These houses are so arranged that one man can very easily care for five of them. They are provided with cement floors and foundation. The partition through the center is double, so that it serves as an immense food hopper which will hold several tons of ground food, grain, grit, and shell, so arranged that the hens can eat from it whenever they wish. The grain is drawn out and fed by hand in a deep litter of straw which covers the floor.

Along the wall about 3 feet from the floor are the nests which can be closed after the last eggs are collected in the evening, thereby preventing the hens from roosting in them and soiling them over night. At the last feeding in the afternoon a folding stairway is let down in one corner of each room and the fowls go up to the second story to roost.

The second story is divided in two rooms and a central hallway. In the two large rooms, corresponding to the two lower rooms are the perches. The central hallway is used for a feed storage and mixing room. The floor of this hall is provided with trap doors so that after a quantity of feed has been mixed it is only necessary to open the doors and allow it to fall into the hoppers.

The strict and regular performance of all work connected with each of these hendwels teaches the hens to know at just what time they are to be fed and allowed to go to roost. The eggs are always collected at the same hour every day and in every way the hen's habits of life are regulated in order that she may produce the maximum number of eggs on the smallest amount of feed.

## Ten Birds in Each Pen

AN ERROR CORRECTED.

Although Director Quisenberry of the Missouri Poultry Experiment station has gathered together a fine bunch of layers in his national egg-laying contest, they are not doing quite as well as the account of the contest in the Mail and Breeze of March 8 seems to indicate. Not yet. Instead of 5 hens to the pen, as this account stated, there are 10 birds in each pen this year, which makes quite a difference in the records.

## Best Time For Caponizing

The Mail and Breeze poultry editor has been called down for a reply to an inquiry on caponizing that appeared in a recent issue. The inquiry came from "A. C." Garnett, Kan. He wanted to know whether young cockerels could be operated on in the fall of the year. The reply stated that they could not, which was the truth but not the whole truth, as it afterward showed up in print. By all means do not try to caponize spring hatched cockerels in the fall. The fall is a good time to caponize and is considered by some as the best time, but the birds must be hatched accordingly. Four months is the outside age limit for caponizing. The best time is just as soon as the sex can be distinguished. Caponizing may be done any month in the year, provided you have cockerels of the right age to work on.

## Live Fills a Common Want.

Mr. Editor—I find it is always good policy to have some lime about the yards for the birds to pick at. It is a good idea to get a barrel of it and as the staves naturally spread apart the hens can easily get at the lime through the cracks. One year we had a great deal of trouble with our hens eating their chicks as soon as hatched. It was then we gave them the lime and it proved both a cure and preventive.

Oxford, Kan. Wm. Broadhurst.

## Reliable Poultry Breeders

## SPANISH.

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

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

## HOUDANS.

**HOUDANS**, world's greatest winter layers. Stock and eggs. Lee Biglin, Alta Vista, Kan.

**HOUDANS DEPENDABLE**—Dark colored line bred; exhibition and breeding cockerels. Prices reasonable. Selected eggs \$2.00 per 15; satisfactory results assured. Elm Park Place, Lawrence, Kan. W. L. Bullene.

## LIGHT BRAHMAS.

**EGGS** \$5 hundred, \$3 fifty, \$1 setting. Mrs. Frank White, Furley, Kan.

**PURE LIGHT BRAHMA** eggs and baby chicks. Carrie A. Beckwith, Wamego, Kan.

**LIGHT BRAHMAS**. Eggs 75c for 15. Turkeys. M. B. eggs \$1.25 for 11. Mrs. Emil Grunewald, Alma, Kan., R. 3.

## WYANDOTTES.

**WHITE WYANDOTTE** eggs and fowls. G. D. Willems, Inman, Kan.

**COLUMBIAN Wyandotte** eggs. Mating list free. G. D. Willems, Inman, Kan.

**GOLDEN WYANDOTTES**. Stock and eggs for sale. M. M. Donges, Belleville, Kan.

**PUREBRED** White Wyandotte cockerels \$1.00. Mrs. J. R. Antram, Galesburg, Kan.

**WHITE WYANDOTTE** cockerels \$1.00. Eggs and chicks. Mrs. F. J. Myers, Erie, Kan.

**PARTRIDGE WYANDOTTE** eggs for hatching. Mrs. Geo. Church, Burlington, Colo.

**GOLDEN WYANDOTTES**. Farm run eggs 30 \$1.50, 100 \$4.00. Mrs. John Jevons, Wakefield, Kan.

**SILVER LACED WYANDOTTE** eggs, \$1.00 15, \$5.00 100. Alvin Tennyson, Miltonvale, Kan.

**WHITE WYANDOTTES**. Eggs for hatching. \$5.00 per 100. Mrs. John Long, Melvern, Kan.

**PARTRIDGE WYANDOTTE** eggs, 15 for \$1.50, 100 for \$5.00. T. F. Pine, Lawrence, Kan.

**WHITE WYANDOTTES** exclusively. Eggs, 100 \$4.50, 30 \$1.75. Mrs. Will Beightel, Holton, Kan.

**SILVER LACED WYANDOTTES**. Eggs, 100 15, \$5.00 100. Mrs. W. R. Stump, Blue Rapids, Kan.

**COLUMBIAN WYANDOTTES**. Select matings. Eggs, \$2.00 per 15. B. F. Martin, Dodge City, Kan.

**SILVER LACED WYANDOTTE** eggs from pen, 15 \$1.50 or 5 per 100. Henry Blase, Sylvan Grove, Kan.

**GOLDEN WYANDOTTE** eggs from prize winning stock \$2 per fifteen. R. P. Graves, Cassville, Mo., No. 3.

**ROSE COMB** Silver Laced Wyandotte eggs, 100 \$4.00, setting, 75c. Mrs. Emma Downs, Lyndon, Kan.

**SILVER WYANDOTTES**. Fine laying strain. Eggs \$1.00 15; \$5.00 100. Pen Stock. W. D. Ross, Wakita, Okla.

**CHOICE SILVER WYANDOTTE** eggs prepaid by Parcel Post, \$1.50 per 15. Mrs. D. Edwin Shuff, Plevna, Kan.

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

**WHITE WYANDOTTES**. Day old chicks and eggs. Write for circular. Mrs. M. E. Johnson, Humboldt, Kan., R. 2.

**ROSE COMB BUFF WYANDOTTES**, pure bred; none better. \$1.50 per 15 eggs. Mrs. Fred Smith, Ogallah, Kan.

**BABY CHICKS**—This is an age of specialists and ours is the day-old chick. "Chick Book" telling all about us sent free on request. Seth H. Leach, 4336 Belview Ave., Kansas City, Mo.

**EGGS** safely shipped by parcel post or express in Jayhawk corrugated boxes. We also make boxes for shipping baby chicks. Write for prices and sizes. Department A. Lawrence Paper Mfg. Co., Lawrence, Kan.

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

**X-RAY DAYLIGHT EGG TESTER** can detect an infertile egg after 36 hours' incubation. No dark room; no artificial light. With or without sunshine. Sent postpaid to any address for \$1.50. Satisfaction or money refunded. Agents wanted.

MRS. DON WILLS, MIAMI, OKLAHOMA

## Poultry Magazine

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

## Reliable Poultry Breeders

## WYANDOTTES.

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

**WHITE WYANDOTTE** eggs, from high class birds, 15 \$1.50, 50 \$3.50, 100 \$6.00. C. E. Crane, Conway Springs, Kan.

**WHITE WYANDOTTE** eggs, \$5.00 per 100. From pens \$2.00 per 15. Mrs. Geo. Downie, Lyndon, Kan., Route 2.

**WHITE WYANDOTTE** eggs from fine stock scoring 93% to 95%, \$2.00 per 15. Mrs. Geo. T. Raine, Wamego, Kan.

**SILVER LACED Wyandotte** eggs 15, \$1.00, 100 eggs \$4.00. Large, high scoring stock. Elizabeth Littleton, Guymon, Okla.

**FARM RAISED** Silver Wyandottes. Eggs \$1.15, \$5.00 100. Baby chicks \$10 per hundred. Julia Haynes, Baileyville, Kan.

**WHITE WYANDOTTES** at \$1.00 per 15; \$5.00 per 100. White, black, laying strain. Willis L. Pearce, Manhattan, Kan.

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

**WHITE WYANDOTTE** eggs from large, black, farm raised prize winners. 100 \$4, 30 \$1.50. Mrs. J. M. Bullock, Winfield, Kan.

**WHITE WYANDOTTE** eggs 15, for 75c, \$4.00 per 100. Special price on larger numbers. Mrs. H. G. Stewart, Tampa, Kan.

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

**WHITE WYANDOTTES**. 1st prize pen scoring to 95%. Eggs \$2 for 15, \$5.00 for 50. Chicks \$2.50 and \$5.00. L. C. Banbury, Pratt, Kan.

**FREE RANGE** Partridge Wyandottes exclusively. Doolittle strain eggs \$1.00, 15, \$5.00, 100. Mrs. L. M. Ayers, Centralia, Kansas.

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

**SILVER LACED Wyandottes** exclusively 16 years a breeder, eggs from choice matings \$2.00 per 15. Utility stock \$1.00 per 15. W. A. Hunter, Manhattan, Kan.

**SILVER LACED WYANDOTTES**—Eggs, 15 \$1.00, 100 eggs \$5.00. I guarantee 60 per cent hatch or will duplicate order at half price. F. W. Bethke, Lebo, Kan.

**"PIX" BUFF WYANDOTTES**—Prize winners. Breeding stock; baby chicks; eggs for hatching. Prices right. Write for mating list now. Geo. B. Pickering, Olathe, Kan.

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

**WHITE WYANDOTTES**. Fancy stock—Pen No. 1, hens scoring to 94%, cockerel 95%. Eggs \$2.50 setting. Farm range—cockerel 94 points, \$1.25 setting, \$5.00 hundred. Mammoth Bronze turkeys \$2.50 setting. I. B. Pixley, Wamego, Kan.

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

## RHODE ISLAND REDS.

**R. C. R. I. RED** eggs. Mating list free. G. D. Willems, Inman, Kan.

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

**ROSE COMB RED** eggs, \$5.00 100. Chicks. Mrs. Abbie Rieneis, Pratt, Kan.

**S. C. R. I. REDS**. Eggs for sale, \$1.00 and \$2.00 per 15. W. A. Scott, Piper, Kan.

**SINGLE COMB RED** eggs 15 \$1.00, 100 \$5.00. Royal Yeoman, Lawrence, Kan.

**ROSE COMB REDS**. Eggs, \$1 for 15, \$5 per 100. Mrs. Viola Lumb, Manhattan, Kan.

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

**ROSE COMB REDS**. Fine farm range flock. 100 eggs \$5.00. L. G. Brown, Wksn, Kan.

**R. C. RED** eggs, \$1.50 per 15. Both combs. De Graff strain. Mrs. Ethel West, Garfield, Kan.

**SINGLE COMB RED** eggs \$1.00 per 15, \$5.00 per hundred. Mrs. Louis McCollam, Kincaid, Kan.

**ROSE COMB RED** eggs at 4 cts. each or 4 dollars per 100. Mrs. Jas. Shoemaker, Narka, Kan.

**EGGS**. Rose Comb Rhode Island Red, \$5.00 per hundred. Emma Curtis, Lawrence, Nebr.

**SELECTED** Single Comb Reds. Eggs \$3.50 for 100. Pen \$1 for 15. Mrs. George Dillon, McLoud, Kan.

**ROSE COMB REDS**. Winners. Eggs \$1.00, \$1.50 per 15. Chicks \$1.50 to \$2.50. Mrs. Alta Murphy, Luray, Kan.

**FINE SINGLE COMB** red eggs from heavy laying strain, 75 cts. per 15, \$4.00 per 100. O. C. Duprey, Clyde, Kan.

**ROSE COMB REDS**. High scoring. Eggs 75c per 15, \$3.50 per 100. H. P. Thomas, Route 3, Emporia, Kan.

**SINGLE COMB REDS**. Fertile eggs from prize winners. Prices low. William Edwards, Westphalia, Kan.

## Reliable Poultry Breeders

## RHODE ISLAND REDS.

**REDS**. Have won more premiums than any two competitors at state shows. Robert Steele, Sta. B, Topeka.

**SETTING R. C. RED** eggs \$1.50. We prepay transportation. Good stock. Prosperity Poultry Farm, Barnes, Kan.

**EGGS**. Special mating. Rose Comb Reds. Prize winners. \$1.50 per 15, \$7.00 per 100. Mrs. A. L. Scott, Larned, Kan.

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

**GUARANTEED** settings from pure bred R. C. Reds. Fine laying strain. \$1.50 per 15. Will Cochran, Oakley, Kan.

**PURE SINGLE COMB REDS**, exclusively. splendid quality. Eggs \$1.00 15, \$5.00 100. Mrs. W. L. Maddox, Hazelton, Kan.

**R. C. REDS**. Eggs from well culled range flock, 100, \$4; choice pen eggs 15, \$2; fifty \$5. Mrs. B. F. Weigle, Winfield, Kan.

**EXTRA FINE** Rose Comb Reds, Cockerels \$2.00. Eggs \$1.00 setting, \$4.50 per hundred. Mrs. Charles Joss, Topeka, Kan.

**SINGLE COMB RED** eggs from well culled range, \$3 100; choice pen \$2 15. Bourbon turkey eggs \$3 setting. W. P. McFall, Pratt, Kan.

**BUY 100** purest, healthiest S. C. R. I. Red eggs for \$5.00. Guaranteed 90% fertile. Mrs. John Whitelaw, Lawrence, Kan., R. 2.

**STANDARD BRED REDS**, both combs. Good show record. Eggs, \$1.50 to \$8.00. Mating list free. T. N. Marshall, La Cygne, Kan.

**SINGLE COMB REDS**, direct from two of the best strains in America. Eggs \$1.50 and \$3.00 for fifteen. Mrs. L. L. Lafferty, Fredonia, Kan.

**ROSE COMB REDS**. Silver cup winners. Eggs from pens, per 15 \$1.50 and \$2. Range \$1, \$4.50 per 100. Mrs. Alice Clinkenbeard, Wetmore, Kan.

**ROSE-COMB REDS**. 14 years with Reds. Buschmann Pierce non-fading stock. Eggs only \$4.00 per 15, \$7.00 per 30. Milton Hills, Cedar Vale, Kan.

**DARK RICH RED R. C. Reds**. Sibley strain eggs, 15, \$1.25; 50 \$3.50; utility 15, \$1.00; 100 \$5.00. Nora Luthye, North Topeka, Kan., Rt. No. 6.

**ROSE COMB REDS** exclusively at Elm Dale Farm. Eggs 5 cents each. Baby chicks ten cents each. Geo. Ela, Valley Falls, Kan., R. F. D. No. 1.

**ROSE COMB RHODE ISLAND RED** eggs for hatching from selected range flock. Four dollars per hundred, one dollar per 15. Mrs. A. C. Foley, Norton, Kan.

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

**FOR SALE**—Rose Comb Rhode Island Red eggs from fancy prize winning matings red to the skin. The best. Also fifty pullets cheap. J. A. Wells, Erie, Kan.

**SINGLE COMB Rhode Island Reds** exclusively. 15 eggs 15c, 100 \$2.50. Baby chicks 10c each. J. B. Scott, R. R. 1, Colony, Kan. Formerly located at Gas, Kan.

**ROSE COMB REDS**. Eggs for hatching from high scoring birds and prize winners. 1st pen \$2.00 per 15. Free circular. Mrs. D. A. Pryor, Route 3, Fredonia, Kan.

**ROSE COMB REDS**. 1st prize and high scoring birds. Eggs \$5 for 45—carefully packed. Range \$5 for 100. Chicks \$1 to \$3. Mrs. J. C. Banbury, Pratt, Kans.

**RHODE ISLAND REDS**, both combs. Hatching eggs low price, fertility guaranteed, securely packed, parcel post or express. Mating list free. H. A. Sibley, Lawrence, Kan.

**ROSE COMB RED** eggs. From pens headed by \$10.00 to \$30.00 roosters. 15 eggs \$1.50, 30 \$2.50, 50 \$4.00, and 100 \$7.50. Good range flock \$4.00 per 100. W. R. Huston, Americus, Kan.

**FOR SALE**—Hatching eggs and baby chicks; Blue Ribbon strain. Single Comb Rhode Island Red. Order now to insure delivery. C. W. Murphy, 1751 New Hampshire St., Lawrence, Kan.

**SEARL'S ROYAL REDS** won, Kansas State Shows, 1910-1912, 4 firsts, 4 seconds, 4 thirds, 2 fourths, 1 fifth, 2 club cups best display. Cockerels and eggs. Lulu H. Searl, Wadron, Kan. Former address Caney.

**ROSE COMB REDS**, all yearling hens, Miller and New Combs strain. Free range, 45 eggs \$2.25, 100 \$4.00. Guaranteed 80 per cent fertile. James A. Harris, Latham, Kan., Box 65.

**SINGLE COMB RHODE ISLAND REDS**. Winners at Kansas State and other shows. Eggs 7 to \$3.00 per 15, \$4.00 per 100. Fertility guaranteed. Catalog free. Carl Spellman, New Albany, Kan.

**ROSE COMB REDS**. Choice scored pen. Headed by high scoring 9 lb. cock bird. Eggs 15 for \$1.50. From farm range flock, 15 for 75 cts., \$4.50 hundred, during season. Mrs. G. C. Talbott, Route 4, Onaga, Kan.

**MOORE'S REDS** won 12 prizes Kan. State Show, 1912 (including every 1st), our customers won 10 prizes 1913 State Show. Choice cockerels for sale. Get our 1913 mating list. Moore and Moore, 1235 Larimer, Wichita, Kan.

**STOVER & MYERS**, Rose Comb Reds, choicest quality. Winning 28 ribbons at Oswego, Tulsa, Fredonia and Kansas State Show. Eggs cheapest in West, quality considered. Yard A. & B. \$5.00 per 15; C. & D. \$2.50 per 15; Yard E. \$4.50 per 100. Free circular. Fredonia, Kan.



## Reliable Poultry Breeders

## LEGHORNS.

S. C. BUFF LEGHORN eggs from cup winners. F. Weeks, Belleville, Kan.

SINGLE COMB BROWN LEGHORNS. Eggs 100 \$5. Mrs. Mattie Story, Cleo, Okla.

ROSE COMB WHITE LEGHORN cockerels \$1.00 each. Mack Posey, Larned, Kan.

S. C. BROWN LEGHORN eggs for hatching. \$3.50 per 100. Mrs. C. Stinton, Geneva, Neb.

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

S. C. WHITE LEGHORNS. Choice stock. Eggs 15 \$1.00, 100 \$4.00. J. E. Lynch, Galatin, Mo.

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

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

S. C. BUFF LEGHORNS. State Show winners. Circular free. Hillcrest Farm, Blackwater, Mo.

SINGLE COMB WHITE LEGHORN eggs. Fifteen \$1. Hundred \$5. C. O. Thomas, Zurich, Kan.

BUFF LEGHORNS. Baby chicks 12 1/2 cts. each. 100 eggs \$5. Mrs. John Wood, Solomon, Kan.

PURE BROWN ROSE COMB Leghorn eggs 3 1/2 cents each. Laura A. Hazen, Hollis, Kans.

WYCKOFF WHITE LEGHORN eggs \$4 hundred. Western Home Poultry Yards, St. John, Kan.

S. C. WHITE LEGHORNS. Choice stock; eggs, 15 \$1.00, 100 \$4.00. Chas. Hangartner, Garber, Okla.

THOROUGHbred S. C. Brown Leghorn eggs \$3 per 100. Hulda Kearns, Girard, Kan., Route 2.

SINGLE COMB WHITE LEGHORN eggs \$1.00 15, \$5.00 hundred. Mrs. Flora Smith, Amorita, Okla.

ROSE COMB BROWN LEGHORN eggs 50 each. \$4.00 per hundred. Tillie Wilkins, Miltonvale, Kan.

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

ROSE COMB BUFF LEGHORN cockerels for sale. \$1 to \$5. L. M. Hewitt, R. R. No. 1, Pleasanton, Kan.

PURE S. C. B. LEGHORN eggs \$3.00 per 100. Safe delivery guaranteed. C. V. Douglas, Tecumseh, Neb.

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

ROSE COMB B. LEGHORN eggs. Quality first class. Specialty 11 years. Olive Hoskins, Fowler, Kan.

ROSE COMB BROWN LEGHORNS. Cockerels \$1.00, six \$5.00. Eggs in season. B. F. Evans, Wilsey, Kan.

S. C. BUFF LEGHORNS. Eggs from choice birds. 30 \$2.00, 100 \$4.50. J. A. Reed, Route 2, Lyons, Kan.

SINGLE COMB BUFF LEGHORNS. Eggs \$1 per 15, \$5 per 100. Chas. M. Childs, Pittsburg, Kan., Route 3.

EGGS from pure bred White Leghorns. Both combs. 16 \$1.00, 100 \$4.50. R. J. Edgar, Dodge City, Kan.

ROSE COMB White Leghorn eggs 15, \$1.00; 100 eggs \$5.00. Mrs. J. B. Barmettlor, R. No. 1, Ralston, Okla.

FOR SALE. 50 S. C. W. Leghorn hens and pullets. \$1.00 each. Extra fine, closing out. A. E. Ford, Argonia, Kan.

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

SINGLE COMB Brown Leghorns. Free Range. Eggs 15, 75c; 100, \$4.00. Mrs. Henry Wohler, Hillsboro, Kansas.

SINGLE COMB White Leghorns exclusively. 15 eggs \$1.00; 50, \$3.00; 100, \$5.00. R. E. Davis, Holton, Kans., Route 5.

PURE Single Comb White Leghorn eggs \$1.00 per 15, \$4.00 per 100. Also cockerels \$1.00. R. H. Volkman, Woodbine, Kan.

PURE S. C. WHITE LEGHORN eggs \$1.00 and \$2.00 per 15. Hens score from 91 to 95. E. A. Sprague, Prairie View, Kan.

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

ROSE AND SINGLE COMB Brown Leghorns. Winners. Eggs, 75c per 15, \$4.00 per 100. Mrs. Ida Standiford, Reading, Kan.

EGGS FOR HATCHING. Single Comb White Leghorns. Only bred on farm. Satisfaction guaranteed. Miss Skelley, Della, Kan.

SINGLE COMB BROWN LEGHORN eggs, 75 cents for 15, \$3.00 per 100. Choice stock, fertility guaranteed. Barker Bros., Indianola, Iowa.

S. C. BUFF LEGHORNS. Shape and color specials and silver cup won wherever shown. Eggs, 15 \$1.00, 100 \$5.00. Geo. Dorr, Osage City, Kan.

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

## Reliable Poultry Breeders

## LEGHORNS.

G. F. KOCH'S S. C. Brown Leghorn eggs and baby chicks from pens scoring 92 to 94%. Write for free mating list. Ellinwood, R. No. 3, Kan.

SINGLE COMB BROWN LEGHORNS. 52 prizes at Newton, Arkansas City, Hutchinson, Wichita. Eggs \$5.00 per 100. W. J. Roof, Maize, Kan.

BUFF LEGHORNS, raised exclusively 7 years. Choice birds. Hens, \$1 each, \$10 dozen. Eggs, 15 \$1, 100 \$4. Cyrus Gittings, Winfield, Kan., Route 1.

EGGS HIGH-SCORING S. C. White Leghorns, (also stock) 15, \$1.00, 100 \$5.00. S. Sp. Hamburgs, grand pen, 15, \$2.00. Vira Bailey, Kinsley, Kans.

ROSE COMB BUFF LEGHORNS exclusively. Vigorous, heavy laying strain; 15 selected eggs \$1.50. Goldenrod Poultry Farm, Mesa, Colo.

IF YOU are looking for blue blood write me for latest mating list and show record. Bradshaw, the Single Comb White Leghorn man, Ellsworth, Kan.

DORR'S prize Rose Comb White Leghorns, grand champion silver medal winners. Eggs \$1.00 per 15, \$5.00 per 100. A. G. Dorr, Osage City, Kan., Route No. 5.

S. C. BROWN LEGHORNS. Mated pens from prize winners and utility eggs reasonable. Fertility guaranteed. Circular free. Chas. Lorenz, Hitchcock, Okla.

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

SINGLE COMB BROWN LEGHORNS. Standard birds. Farm raised, vigorous, extra heavy layers. Eggs \$4.00 per 100. Mrs. J. A. Jacobs, Manchester, Okla.

SINGLE COMB WHITE LEGHORNS. Finest cockerels. Eggs. Old Trusty incubator agent, hurry orders. Lowest prices. Mrs. Albert Ray, Delavan, Kan.

S. C. W. LEGHORNS of quality. Standard bred, heavy egg producers. Eggs. Orders booked now. Prices right. Mating list. Freeman & Post, Colony, Kan.

ROSE AND SINGLE COMB Brown Leghorns. Prize winners and egg production. Guaranteed 90 per cent fertile. Eggs, \$1.25 15, \$5.00 100. M. Earnshaw, Lebo, Kan.

SINGLE COMB BROWN LEGHORNS exclusively for 10 years. High-scoring, heavy laying strain. None better. Eggs at farmer's prices. J. F. Crandall, Barnes, Kan.

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

SINGLE COMB WHITE LEGHORNS, from prize winning stock. Cockerels, hens, \$1 each. Eggs, \$1 per 15, \$5 per 100. Mrs. Fred Bursack, Udall, Kan., Route 3, Cowley Co.

WHITE LEGHORNS. Leading strains, bred for large size, vitality, heavy laying. Selected eggs \$6.50 hundred. Interesting circular free. Olden Oak Farm, Route 2, Kansas City, Mo.

SINGLE COMB White Leghorns. High scoring birds, winners of silver cup. Eggs \$1.00 for 15 or \$5.00 per 100. I make a specialty in packing. Mrs. C. R. Clemmons, Coffeyville, Kan.

ROSE COMB WHITE LEGHORN eggs for sale. Pen No. 1 \$3.00 for 15 or \$4.00 for 30; pen No. 2, \$1.50 for 15 or \$2.00 for 30; pen No. 3, \$1.00 for 15 or \$1.50 for 30. Mrs. W. E. Masters, Manhattan, Kan.

## ORPINGTONS.

PURE BRED Buff Orpington eggs 90c for fifteen. Albert Schabbe, Fairview, Kan.

S. C. BUFF ORPINGTON eggs, \$4.50 per 100. Andrew Eskeldson, Ramona, Kan.

CRYSTAL WHITE ORPINGTON eggs \$1.50 per setting. Geo. C. Fisher, Custer, Okla.

CLOSING OUT all my Invincible White Orpington winners. Arthur Haurey, Newton, Kan.

PURE BRED Buff Orpington eggs, \$1.00 for 15. C. O'Roke, Fairview, Kan., Brown Co.

THOROUGHbred White Orpington cockerels for sale, \$1.50. M. Rathbun, Lucas, Kan.

CRYSTAL WHITE ORPINGTONS. Write for prices on stock. Fred Baile, Fredonia, Kan.

S. C. BUFF ORPINGTON eggs from prize winners, for hatching. Mrs. E. C. Eckart, Humboldt, Kan.

S. C. KELLERSTRASS strain White Orpington eggs for hatching. Mrs. Harry Kelley, Humboldt, Kan.

ROSE COMB WHITE ORPINGTON cockerels. Egg strain. \$2.00 each. Austin Talbert, Exeter, Mo.

WHITE ORPINGTONS (direct from Kellerstrass) stock and eggs. Mrs. Geo. Church, Burlington, Colo.

S. C. BUFF ORPINGTON eggs from prize winning strain, \$1.25 per 15. Mrs. G. B. Wengert, Lebo, Kan.

WHITE ORPINGTON eggs. Large stock. Setting \$1.50. Hundred \$7. Mrs. Helen Lill, Mt. Hope, Kansas.

S. C. B. ORPINGTONS. Owen strain. Large, good color. Eggs \$1.00 per 15. Mrs. J. Drennan, Liberty, Kan.

CRYSTAL WHITE ORPINGTON beauties; Single Comb. Eggs, pullets and cockerels. Oscar Zschelle, Burlington, Kan.

## Reliable Poultry Breeders

## ORPINGTONS.

BUFF ORPINGTON eggs 15 75c, 100 \$4.00. Emma Denton, Goff, Kan.

CRYSTAL WHITE ORPINGTON eggs from extra fine birds. Circular free. Ed Schaller, Toronto, Kan.

SINGLE COMB Golden Buff Orpingtons. Cook's strain. 30 eggs \$1.75, 100 \$4.75. White House Poultry Farm, Salina, Kan.

ROSE AND SINGLE COMB White Orpingtons, winter laying kind. Eggs for sale. H. A. Bogle, Pawnee City, Neb.

SINGLE COMB BUFF ORPINGTON eggs, \$1.00 per 15; D. H. Axtell, Sawyer, Kan. Chase Phone 1406.

CRYSTAL WHITE Orpington eggs \$2 per 15, \$10 per hundred. Mrs. Thad Wamsley, Conway Springs, Kan.

EGGS from prize winning, high scoring, imported stock of White Orpingtons, \$2.00 per 15. Wm. Reeble, Emporia, Kan.

SINGLE COMB BUFF ORPINGTONS. Cook strain. Eggs \$1.50 per 15, \$6.00 per 100. Mrs. Otis Russell, Canton, Kan.

KELLERSTRASS White Orpingtons. Young stock for sale from winners. \$2 each. Eggs in season. J. Strathmann, Palmyra, Mo.

KELLERSTRASS White Orpingtons from \$30 settings. Cocks two dollars. Eggs same per setting. P. C. Stephens, Columbus, Kan.

SINGLE COMB BUFF ORPINGTONS. Owen stock direct. Eggs, \$1.00 setting, \$5.00 per hundred. Mrs. Earl Vaughn, Esbon, Kan.

KELLERSTRASS White Orpingtons. Eggs \$2 for 15; \$3.50 for 30. Free illustrated catalogue. Phillips Poultry Farm, De Soto, Kan.

WHITE ORPINGTONS (Kellerstrass strain). Eggs \$1.50, \$2.00 per 15. Cockerels \$1.00, \$2.00 each. Herman Thompson, Galva, Kan.

CHOICE scored stock, White Orpingtons (Kellerstrass), also White Wyandottes. Eggs \$1, \$2 fifteen. Mrs. M. Garnant, Kilder, Mo.

HIGH CLASS Buff and Black Orpingtons. Winners K. C. International. Eggs reasonable. Mating list free. C. A. Scoville, Sabetha, Kan.

CRYSTAL WHITE ORPINGTONS. Fine pen direct from Kellerstrass; \$4 per 15 eggs. Book orders early. Mrs. Fred Smith, Ogalah, Kans.

EGGS FOR HATCHING from heavy laying strain Crystal White Orpingtons. Farm raised. Prices reasonable. Gustaf Nelson, Falun, Kan.

BUFF ORPINGTON ducks lay, weigh, stay, pay. No crow's eggs—every egg white. Eggs \$2.00 for twelve. Sylvia Hall, Fredonia, Kan.

KELLERSTRASS White Orpingtons. Eggs, first pen 15 \$1.50, delivered parcel post. 100 \$6.00, express unpaid. Mrs. John Jevons, Wakefield, Kan.

SINGLE COMB BUFF ORPINGTONS. Two pens mated Jan. 1st. Eggs, \$1.50 per 15, \$5.00 per 100. Wm. Sinclair & Son, Neosho Falls, Kan.

SINGLE COMB WHITE ORPINGTON eggs. From extra fine quality range flock. \$6.00 per hundred, \$1.50 per setting. Mrs. David Foley, Norton, Kan.

ORPINGTONS, Buff and White. Eggs two dollars up, from first prize birds American Royal. Mating list ready. Mrs. E. H. Jones, Pleasanton, Kan.

BUFF ORPINGTONS. Prize winners. 12 firsts and two silver cups at two shows. Splendid layers. Catalogue ready. August Petersen, Churdan, Ia.

BUFF ORPINGTONS make you money. Larger chickens, more winter eggs. One breed exclusively. \$1.50 per setting. E. F. Crain, Dodge City, Kan.

WHITE ORPINGTONS. Cook and Kellerstrass. Eggs from proven heavy winter layers. \$1.50 setting. Express paid. J. H. Lansing, Chase, Kan.

CHOICE BUFF ORPINGTON eggs for sale, two dollars per sit. Also choice pullets one to three dollars each. Geo. D. Page, Manhattan, Kan.

S. C. BUFF ORPINGTONS. Cook strain, direct. Grand prize winners. Mating list free. Mrs. Edward Brown, Della, Kan. (Former address Maple Hill.)

EGGS FOR HATCHING from heavy laying strain, prize winning, Crystal White Orpingtons, reasonable. Catalog free. P. H. Anderson, Box M-53, Lindsborg, Kan.

SINGLE COMB BUFF ORPINGTONS. Owens farm hens headed by Cary cockerel. Few settings from this choice pen \$2.50. Walter Pine, R. No. 5, Lawrence, Kan.

GERTRUDE GEE'S Gold Nugget strain S. C. Buff Orpingtons; winners sixty premiums, two silver cups. Farm range; no pens. Eggs \$1.50 per 15. Winfield, Kan.

SINGLE COMB BUFF ORPINGTONS. Prize winning, egg laying strain; special matings. 15 eggs \$4. Range flock, 15 eggs \$1.50. Circular free. John Tuttle, Princeton, Mo.

KELLERSTRASS strain Crystal White Orpington eggs. Pen No. 1, \$4.00; No. 2, \$2.00 per 15; less than 70% hatch will duplicate orders once for half price. R. D. Hall, Lyons, Kan.

PLEASANT HILL POULTRY FARM Buff Orpingtons are known as prize winners all over the state. Eggs and baby chicks from high scoring pens and utility stock. Mating list free. Ellinwood, Kan., R. No. 3.

SINGLE COMB BUFF ORPINGTONS. 11 years for eggs and quality. Eggs from fancy matings \$3.00 per 15. High class utility \$7.00 100. Ask for free mating list. Also strawberry plants cheap. J. F. Cox, Topeka, Kan., Rt. No. 8.

## ORPINGTONS.

COOK STRAIN Single Comb Buff Orpingtons. Extra good layers. Eggs. Special mating \$3 per 15. From farm range flock \$1 per 15, \$6 per 100. Satisfaction guaranteed. Frank Fisher, Wilson, Kan.

SINGLE COMB BUFF ORPINGTONS and Crystal White Orpingtons. Winners of first prize and Missouri state special prize, north-west Missouri Poultry association, Mating list free. F. W. Oney, Maryville, Mo.

PRIZE WINNING Crystal White Orpingtons. Utility eggs \$1, hundred \$5.50. First pen \$3, second pen \$2. Eggs been hatching 100 per cent. Baby chicks. Order direct or write Mrs. Gertie Racus, Parsons, Kans.

DON'T OVERLOOK OVERLOOK FARM! Home of better Orpingtons—buff, black, white. Eggs from my mated pens containing winners at Omaha, Kansas City, Sedalia, Topeka, Lawrence and Hutchinson, at \$3, \$5 and \$7.50 per setting. Get my mating list before ordering elsewhere. Cockerels at \$3 to \$15 each. Overlook Farm, Chas. Luenegene, Prop., Box B 149, Topeka, Kan.

## LANGSHANS.

WHITE LANGSHAN eggs, \$1.00 per 15. Wm. Wischmeyer, Mayetta, Kan.

BLACK LANGSHAN eggs for hatching. C. C. Cunningham, Kinnard, Neb.

PURE BLACK LANGSHANS. 15 eggs \$1, 100 \$5. Mary McCaul, Elk City, Kansas.

BLACK LANGSHANS (Shoemaker) cockerels \$1.50. Mrs. Annie Pearce, Kildare, Okla.

WHITE AND BLACK LANGSHANS. Cockerels and eggs. Mrs. Geo. Church, Burlington, Colo.

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

GOOD farm raised Black Langshans. Eggs, 15 \$1.50, 100 \$7.50. Mrs. Geo. W. King, Solomon, Kan.

IMPERIAL BLACK LANGSHANS. Eggs, \$6.00 per hundred. Martha Haynes, Grandview Farm, Grantville, Kan.

KLUSMIRE'S Ideal Black Langshans. Eggs from choice matings. Write for prices. Geo. Klusmire, Holton, Kan.

BLACK LANGSHAN eggs for sale from stock that scores from 94 to 97; line bred. James Bruce, Arnett, Okla.

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

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

BLACK LANGSHAN eggs from high scoring stock. \$1.50 per setting, \$5.00 per 100. Geo. W. Shearer, Elmhurst Farm, Lawrence, Kan.

BUFF AND BLACK LANGSHAN eggs \$2.00 15, \$6.00 100. Positively no better Langshans in America. John Lovette, Mullinville, Kan.

TENNEHOLM LANGSHANS. The big, black kind. Eggs, \$1.50 per 15, \$2.50 per 30. A few good cockerels left. Mrs. E. S. Myers, Chanute, Kan.

BLACK LANGSHANS. Prize winners, 36 ribbons in five shows. Eggs pen 1 and 2 \$2.50. Pen 3 \$1.50. Baby chicks for sale. W. L. Bush, Osage City, Kan.

## TURKEYS.

CHOICE M. B. TURKEY toms. Vira Bailey, Kinsley, Kan.

WHITE HOLLAND Turkey eggs, \$2.00 per 12. Mrs. M. L. Leonard, Haddam, Kan.

WHITE HOLLAND turkeys. Toms \$4.00; hens \$3.00. Mrs. R. A. Lewis, Bison, Kan.

WHITE HOLLAND eggs from grand stock, 25 cents each. Mrs. Chas. Hall, Fredonia, Kan.

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

BOURBON RED turkey eggs, \$3 for 11; with directions for raising them. Mrs. C. B. Palmer, Uniontown, Kan.

PURE BRED Bourbon Red turkey eggs from two year old stock, \$3 per 11. Mrs. D. W. Shipp, Belleville, Kans.

BOURBON RED turkey eggs \$2.50 for eleven. S. C. Red eggs .75 for fifteen, \$4 for 100. Lorenzo Reed, Kanopolis, Kan.

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

## MINORCAS.

S. C. B. MINORCA eggs for sale. Mrs. Hallren, Utopia, Kan.

SINGLE COMB BLACK MINORCA chicks. \$3.00. Eggs \$2.00 15. A. L. Liston, Garden City, Kan.

BLUE RIBBON BLACK MINORCAS and Buff Rocks. Choice Minorca cockerels and eggs. Henry Blauer, Bern, Kan.

ROSE COMB BLACK MINORCA eggs. \$3.00 15, \$5.75 30. Satisfaction guaranteed. Fred Kelm, Seneca, Kan.

WHITE MINORCAS. Good layers of large white eggs. Stock first class. \$1.50 15. A. Manley, Cottonwood Falls, Kan.

SINGLE COMB Black Minorca eggs 15, \$1.25; 30, \$2.00; 50, \$2.50. Baby chicks 15 cts. Sarah Peters, Nashville, Kan.



## Reliable Poultry Breeders

## PLYMOUTH ROCKS.

WHITE ROCK cockerels \$1.50 each. F. G. King, Olivet, Kan.

PURE BARRED ROCK eggs, \$1.50 per 15. W. J. Rye, Albany, Mo.

BARRED ROCK eggs 15, \$1.00; \$5.00 per 100. Bertha Evans, Lyons, Kan.

BUFF ROCK eggs from prize winners. Mrs. W. A. White, Uniontown, Kan.

PURE BRED Barred Plymouth Rock eggs \$1.50 per 15. Fred Warren, Todd, Okla.

BUFF ROCK eggs \$1 per setting, \$5 per hundred. William Small, Wilson, Kan.

BUFF ROCK eggs from weathers, layers, payers. Mrs. Lloyd Clark, Hazelton, Kan.

PURE BARRED ROCK eggs \$1 for 15, 100 for \$4.50. G. M. Shepherd, Lyons, Kan.

QUALITY WHITE ROCKS. Eggs for hatching. J. A. Kauffman, Abilene, Kan.

BUFF ROCK eggs from good quality stock. Mrs. Perry Myers, Fredonia, Kan.

SHELLEY BROS.' pullet line. Eggs, 15 \$1.50, 50 \$5.00. Oscar Daub, Elmdale, Kan.

BUFF PLYMOUTH ROCK eggs, four dollars hundred. Thos. Moore, Osage City, Kan.

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

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

BARRED ROCKS exclusively. Eggs, 100 \$4.50, 30 \$1.75. Catherine Beightel, Holton, Kan.

BARRED ROCK eggs \$4.00 per hundred. Fine large birds. Chas. Cornelius, Blackwell, Okla.

PURE BRED White Plymouth Rock eggs. \$1 per 15. 100 \$4.50. Mrs. Henry Ogle, Norwich, Kan.

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

FANCY BARRED ROCK eggs, mated pens, \$1.50 to \$2.50 per setting. M. P. Thielens, Russell, Kan.

PERLESS WHITE ROCK cockerels for sale; very large size. Julius Michelson, Hanover, Kan.

WHITE ROCK cockerels and eggs. Fine, pure white. Write W. J. Lewis, Lock Box 153, Lebo, Kan.

BARRED ROCKS, prize winners. Eggs, \$1 for 15, \$5 per 100. E. O. McKinney, Lafontaine, Kan.

PRIZE WINNING White Rocks. Sixteen eggs \$1.00, delivered by parcels post. Lillie York, Lowrey, Okla.

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

PURE BRED Barred Plymouth Rocks exclusively. Eggs, 15 75c, 100 \$3.50. S. B. Shaw, R. 3, Goff, Kan.

BARRED PLYMOUTH ROCK eggs \$1 per 15, \$5 per 100. Farm raised. Eliza Thomas, Silver Lake, Kan.

FOR SALE—Pure White Rock eggs. Price 15 for \$1.50, 100 \$5.00. Ida Baugh, Kincaid, Kan., Route 2.

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

BUFF ROCKS—Eggs for hatching \$1.00 per setting. Mrs. S. H. Hendrickson, Okeene, Okla., R. F. D. No. 1.

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

BUFF PLYMOUTH ROCKS—Eggs and baby chicks at reasonable prices. Mrs. Fred Miller, Wakefield, Kan.

EXTRA FINE White Rock eggs for sale setting \$1 or \$5.00 100. Mrs. W. H. Foster, Garnett, Kan., R. No. 2.

BARRED ROCKS—Eggs \$1.00 15, \$2.50 50. Scored stock \$2.00 15. Mrs. A. M. Markley, Mound City, Kan.

WHITE ROCKS—Scored to 94½ by Stoner. Eggs, 100 \$4.00, cockerels \$1.50. Mrs. J. W. Hoornbeek, Winfield, Kan.

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

BARRED ROCK hens and pullets. Write for 1913 mating list for price of eggs. Mrs. E. C. Wagner, Holton, Kan.

BUFF ROCK bargains. Fine stock at reasonable prices. 50 eggs \$4.00. Write me. W. F. Alden, Ellsworth, Kan.

TWO DOZEN thoroughbred Barred Rock hens and pullets mixed, \$10 per doz. Mrs. O. M. Chilcott, Mankato, Kan.

BARRED ROCK EGGS. Utility stock. Fifteen \$1, fifty \$2.25, one-hundred \$4. A. D. Morrison, Route 2, Iola, Kan.

IVORY WHITE ROCK eggs from special mating, \$3.00 15. Grand farm flock, \$5.00 100. Minnie Clark, Haven, Kan.

BIG TYPE BARRED ROCKS. Thirty-five years' scientific breeding. Eggs and stock. A. H. Duff, Larned, Kan.

IVORY WHITE ROCKS. 1st prize winners. Eggs 1st pen \$2.50, utility \$1.00 per 15. Herman Stecker, Woodbine, Kan.

PURE BRED WHITE ROCKS. Farm raised. Eggs, 15 \$1.25, 100 \$4.00. Satisfaction guaranteed. G. M. Kretz, Clifton, Kan.

## Reliable Poultry Breeders

## PLYMOUTH ROCKS.

BIRD BROS.' Partridge Plymouth Rock cockerels greatest winners on earth at \$2 each. C. O. Crebbs, Stafford, Kan.

WHITE ROCK EGGS, best strains, extra layers, \$1 for setting, \$5 per one hundred. Mrs. E. E. Williams, Sabetha, Kan.

PARTRIDGE ROCKS—Winners 18 ribbons Oklahoma, Enid, Caldwell. Eggs \$2, \$3, 15. D. G. Dawson, Hennessey, Okla.

WHITE ROCKS EXCLUSIVELY—Bred 12 years. Eggs well packed \$1.00 per 15, \$5.00 per 100. S. M. Chestnut, Holton, Kan.

BARRED ROCKS, Blue Jacket Binglets laying strain. Eggs for hatching, pen and utility. Mrs. P. A. Pettis, Wathena, Kan.

PURE BRED BARRED ROCKS; farm raised. Eggs, 15 \$1.25, 30 \$2.00, 100 \$5.00. Mrs. John Yowell, McPherson, Kan.

BARRED ROCK eggs; fine exhibition matings; fifteen eggs \$3.00, 30 eggs \$5.00. Frank McCormack, Morrowville, Kan.

EGGS from Thompson's Imperial "Ringlets" at very reasonable prices. Also baby chicks. W. F. Wright, Spirit Lake, Iowa.

BUFF ROCK eggs by parcel post from quality stock at reasonable prices. Write today. William A. Hess, Humboldt, Kan.

THOMPSON'S "Ringlet" Barred Rocks. Best layers, finely barred. Fifteen eggs \$1, 100 for \$5. Tracy's, Conway Springs, Kan.

PURE BRED BARRED ROCKS exclusively. Eggs \$1.00 per 15, \$4.00 per 100. Safe arrival guaranteed. C. E. Romary, Olivet, Kan.

WHITE IVORY ROCKS. Two pens mated from prize winners past season. Settings reasonable. A. F. Holmgren, Nickerson, Kan.

WHITE ROCKS exclusively. Eggs from my three special matings, containing prize winners \$1.50 per 15. Frank Lott, Danville, Kan.

EGGS FOR HATCHING from pedigreed Barred Rocks, \$1.50 per 15. Express add. Mating list free. Gus Schoback, Atchison, Kan.

BABY CHIX AND EGGS—Rocks, Reds, Buff Orpingtons, White Wyandottes, Light Brahmas. Kansas Poultry Company, Norton, Kansas.

BARRED ROCKS—Weigher-layer. 103 premiums. Eggs \$1.00 15, \$5.00 100. Special matings \$3.00 15, \$5.00 30. W. Opfer, Clay Center, Kan.

BARRED ROCK eggs. Cockerels from choice scored stock; red eyes, yellow beaks and legs. Latham strain. Mrs. H. Schmidt, Humboldt, Kan.

WHITE ROCK eggs from best mating, \$1.50 per 15, \$5.00 per 100. "Fishel strain." Satisfaction guaranteed. Mrs. Wm. Lemkull, Fairfield, Neb.

WHITE ROCKS only for 16 years; large flock. Can fill large orders promptly. \$1.00 per 15, \$4.00 per 100 eggs. Josias Lambert, Smith Center, Kansas.

PURE BRED Barred Plymouth Rocks exclusively. Pen and range eggs. Baby chicks. Write for mating list and prices. Mrs. C. N. Bailey, Lyndon, Kan.

PLYMOUTH ROCKS that are Barred. State Show winners. Both matings. Eggs \$2.50 per 15 up. Write for mating list. C. V. Ladow, Fredonia, Kan.

THOMPSON'S "Ringlet" Barred Rocks, great layers, finely barred. Fifteen eggs one dollar; one hundred, five dollars. Tracy's, Conway Springs, Kan.

STANDARD BRED Rocks. Single Comb Barred Rocks. Bred for utility. Eggs 15, \$1.00; 50, \$3.00; 100, \$5.00. 12 years a breeder. E. B. Dorman, Paola, Kan.

BUFF P. ROCKS. Eggs from prize winners, high scoring birds, won silver cup for best pen in American class. Write for special price. J. S. Humphrey, Pratt, Kan.

BARRED PLYMOUTH ROCKS and W. F. B. Span. fowls. Have some choice chicks and pullets for sale at \$1.50 up. Satisfaction guaranteed. Gus H. Brune, Lawrence, Kan.

SHELLEY BROS.' BARRED ROCKS won 82 premiums, 35 firsts, specials and sweepstakes, at Kansas' largest shows. Eggs, 15 \$3.00, 30 \$5.00. Circular free. Elmdale, Kan.

BUFF ROCKS exclusively for eleven years. Eggs from high scoring pens, \$3 per fifteen, \$5 per thirty. Farm range, \$3.75 per hundred, \$2 per fifty. Mrs. Homer Davis, Walton, Kan.

FOR SALE. Buff Rock eggs. Write for prices. Pens 2 and 3, selected females, headed by fine male birds direct from Shoemaker's stock, Freeport, Ill. W. A. Tawney, Ogallah, Kan.

PARTRIDGE PLYMOUTH ROCK stock and eggs for sale. Prize winner of Chicago. St. Louis, Mo., Detroit, Boston and many other places. All farm raised. Paul Lafromboise, Mt. Pleasant, Mich.

BUFF ROCK eggs. Three pens selected hens and pullets. Fine chicks, one direct from Poley. Pen eggs as they come \$2.00 per 15. Range flock \$1.00 per 15, \$5.00 per 100. Herbert H. Smith, Smith Center, Kan.

WHITE ROCKS. Pure white, big boned, farm raised cockerels \$1.50 to \$5.00. Pullets at \$1.50 to \$2.00. Eggs at \$1.00 for 15, \$5.00 a hundred. Baby chicks 15 to 20 cents each. Good laying strain; prize winners. B. E. Miller, Newton, Kan.

## BUFF COCHINS.

FOR SALE—Buff Cochins of quality. Send for mating catalog. J. C. Baughman, Topeka, Kan.

BUFF COCHIN cockerels \$2.50 to \$5.00. Pullets \$2.00. Housel, Smith Center, Kan.

## Reliable Poultry Breeders

## DUCKS.

FAWN AND WHITE I. R. drakes. Mrs. T. N. Beckey, Linwood, Kan.

INDIAN RUNNER duck eggs, \$1 for 15. White eggs. W. T. Maynes, Densmore, Kan.

15 FAWN INDIAN Runner Duck Eggs \$2.00 prepaid. James Clifton, Russellville, Ark.

WHITE INDIAN Runner ducks. Snyder and Grier strain. 13 eggs \$3.00. B. F. Graff, Erie, Kan.

INDIAN RUNNERS, fawn and white. Eggs \$1.00 per 15. Baby ducks 25c each. J. W. Fretz, Bosworth, Mo.

INDIAN RUNNER ducks and White Cochins Bantams. Catalogue. Harry E. Duncan, Humboldt, Kan.

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

WHITE EGG strain. Fawn and White Indian Runners. Eggs \$1.00 per 13, \$3.00 per 50. Sharp, Iola, Kansas.

INDIAN RUNNER ducks. Fawn and White. American Standard. Pure white eggs, \$1.50 15. A. M. Niey, Cottonwood Falls, Kan.

INDIAN RUNNER duck eggs. Fawn and white. \$1.25 per 13, \$4.00 per 50, \$7.00 per 100. G. Richmond, Alma, Kan.

FAWN AND WHITE Indian Runner ducks (white egg strain). Eggs \$6 hundred. Western Home Poultry Yards, St. John, Kan.

HIGH SCORING White Pekins. Drakes \$1.50, \$2.50. Eggs \$1.00. Special prize mating \$2.00 per 15. Miss M. Kragh, Driftwood, Okla.

INDIAN RUNNERS of quality; light fawn and white. White egg strain. Send for egg circular. Dr. E. H. Killian, Manhattan, Kan.

INDIAN RUNNER drakes from best laying white egg strains, white and fawn, \$1 each. Eggs \$1 per 13. Col. Warren Russell, Winfield, Kan.

INDIAN RUNNER duck eggs and stock for sale. Also Barred Plymouth Rock eggs. Prices reasonable. Mrs. E. A. Anderson, Simpson, Kan.

INDIAN RUNNERS, American standard light fawn and white. White egg strain. Eggs \$1.50 per 13, \$4.50 per 50. Mrs. Otis Russell, Canton, Kan.

LIGHT FAWN AND WHITE Indian Runner eggs, fine color, shape and markings, \$1.50 per 15. Penciled \$1.00 per 13. Walter Wright, Bronson, Kan.

INDIAN RUNNER ducks; pure white and fawn and white. Mottled Anconas and Buff Rocks. Stock and eggs for sale. G. W. Skinner, Baxter Springs, Kan.

WHITE INDIAN RUNNER ducks (Fishel strain). No stock for sale. Eggs three dollars per 10, five dollars per 20; always white. A. E. Kroth, Havensville, Kan.

LIGHT FAWN AND WHITE Indian Runner eggs. Fine color, shape, and markings. \$1.50 per 15. S. C. Buff Orpingtons, \$1.00. Ethel Hammons, Bronson, Kan.

HIGHCLASS INDIAN Runners. White eggers. American Standard and pure English type. Eggs \$1.00 to \$3.00 per 15. Free circular. Lillie Greve, Earlton, Kans.

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

FAWN AND WHITE and Brown and White Indian Runners, prize winners. White eggs exclusively. Eggs, 13 for \$1.50, \$8.00 per 100. E. O. McKinney, Lafontaine, Kan.

FAWN AND WHITE RUNNERS. White eggs. Won 3 blue ribbons State Show, 1913. Per 15, \$2.50. Pen 2, \$1.50. Rose Comb Reds, excellent stock, 15 \$1. Julia Little, Conway Springs, Kan.

EGGS BY PARCEL POST. Fawn and White Runner ducks, \$1.25 per 11. Silver Wyandottes, pen \$2.25, range \$1.25 per 15. Bourbon Red turkey, \$3.25 per 11. Mrs. Cecile McGuire, Pratt, Kan.

FAWN AND WHITE Indian Runners, white eggs. Yard A, exhibition quality, \$2.50 per 15; yard B, \$1.50 per 15, \$4 per 50, \$8 per 100. Pure White Runners, eggs \$3.00 per 12. Free circular. Stover & Myers, Fredonia, Kan.

## ANCONAS.

MOTTLED ANCONA eggs. Winter layers. \$1.50 per 15. Walter Wright, Bronson, Kan.

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

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

ANCONAS. Sheppard strain eggs, 15, \$1.00; 100, \$5.00. Mrs. H. M. Buchele, Cedar Vale, Kansas.

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

## HAMBURGS.

SILVER SPANGLED Hamburg eggs. Chas. Gresham, Bucklin, Kan.

SILVER SPANGLED Hamburgs, fine cockerels, eggs and baby chicks. Mrs. Geo. Church, Burlington, Colo.

## Reliable Poultry Breeders

## SEVERAL VARIETIES.

ROSE COMB REDS, Silver Lace Wyandottes, \$1 each. Eggs, 17 \$1. Mrs. Ola Elliott, Delphos, Kan.

BLACK AND WHITE Orpingtons, Indian Runner Ducks. Eggs one dollar a setting. F. Kremer, Manchester, Okla.

BREEDER AND JUDGE of all land and water fowls. Terms and catalog free. C. W. Brehm, Route 4, Harvard, Neb.

WHITE WYANDOTTES, S. C. White Leghorns. Eggs 15 \$1.00, 100 \$4.00. Satisfaction guaranteed. R. W. Gage, Garnett, Kan.

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

BRED TO LAY, vigorous, farm raised, thoroughbred Barred Rocks and Single Comb Reds. Eggs \$1.00 setting; guaranteed. Reece Van Sant, Belmont Farm, Topeka, Kan.

SINGLE COMB White and Buff Leghorns, White Wyandottes, Buff Rocks. Eggs 15 \$1.00, \$5.00 100. Buff Wyandottes \$2.00 15. V. M. Davis, Winfield, Kan., Route No. 2.

WHITE WYANDOTTES, white Langshans, eggs. High scoring stock \$2 setting. Wyandotte cockerels. Mrs. Howard Erhart, Independence, Kan.

E. F. HODNETTE, Austin, Texas, breeder of Runner ducks and Brown Leghorn chicks, the greatest laying fowls known. Birds that lay are the kind that pay. Eggs \$1.00 per setting.

EGGS, CHICKS—All Thoro'-bred Houdans Orpingtons, Reds, Leghorns, Wyandottes and other varieties. Satisfaction guaranteed. Custom hatching. C. & K. Lee, Hastings, Nebr.

INDIAN RUNNER ducks, American Standard, Fawn and White, white egg strain. Bourbon turkeys. Single Comb Brown Leghorns. Eggs for sale. Mrs. Elmer McGinnis, Blackwell, Okla.

EGGS from White Rocks, White Wyandottes, White Cochins Bantams, White Holland turkeys, White guineas, White China and Embden geese, White Indian Runner and Pekin ducks. A. T. Garman, Courtland, Kan.

THE LINWOOD POULTRY FARM, Ewing, Mo., offers eggs for hatching from prize winners. Single Comb White Leghorn, Single Comb Rhode Island Reds and Indian Runner ducks. Also breeder of American fox hounds and Engl. bloodhounds. Joseph Keller, prop.

WHEN better poultry is had we will have them. Eggs from Rhode Island Reds, Barred Rocks, Buff Orpingtons, White Wyandottes, Brown Leghorns, White Leghorns and Indian Runner ducks. Write for catalog. Everman & Everman, Gallatin, Mo., R. No. 5.

SUNNY DELL Farms purebred poultry eggs. S. C. R. I. Reds, big bone, red to skin, \$1.00 15, \$5.00 100. S. C. B. Leghorns/Excellent layers, \$1.00 15, \$4.00 150. Bourbon Red Turkeys, extra fine color, big, hardy and gentle, \$3.00 12. Mrs. T. I. Wooddall, Fall River, Kansas.

POLAND CHINA pigs (the big, easy keeping kind), \$3.00 each, \$15.00 a pair (not related). Eggs for hatching, Rouen ducks, Barred Rocks and Brown Leghorns (best egg laying strains). Strictly pure-bred stock. Eggs \$1.50 per 15, \$2.75 per 30. The Hillside Farm, St. Peter, Minn.

EGGS from choice stock, Silver Spangled Hamburgs, S. C. White Leghorns, White Rocks, Partridge Cochins, Partridge Rocks and Houdans. Some fine Partridge Rock stock for sale. Cockerels and pullets. Write. Eggs \$2.00 per fifteen. Lloyd's Poultry Yards, 702 B West, Hutchinson, Kan.

THE LINWOOD Poultry Farm, Ewing, Mo., offers eggs for hatching from blue ribbon winners, S. C. W. Leghorns, S. C. R. I. Reds and Indian Runner ducks. I guarantee fertility and eggs from pens ordered. Send for free catalogue; also breeder of English blood hounds, American fox hounds and Duroc-Jersey hogs. Joseph Keller, prop.

EGGS S. C. Black Orpingtons, \$2 per 15; S. C. White Orpingtons \$1.50 per 15; S. C. R. Island Reds \$1.50 per 15; White Crested Black Polish \$2 per 15; R. C. Silver Spangled Hamburg \$2 per 15; R. C. Partridge Wyandottes \$2 per 15; Pearl White Guinea \$2 per 15. Shipping station LeRoy. Postoffice Neosho, Mo. J. L. Carman.

## BARRED ROCKS.

Our birds again demonstrated their high quality at this season's shows. Very best laying strains. Pens mated for the coming season. Send for descriptive circular. Pen eggs \$3 per 15. Utility eggs \$4 per 100. C. C. LINDAMOOD, WALTON, KANSAS.

\$1.50 For Neighbors' Names sent with egg orders. All leading varieties. Circular. POULTRY LAND, Madison, Kan.

## White Orpington and Indian Runner Ducks

Eggs \$6 per hundred. Turkey and Geese eggs \$1.75 per setting. We breed all leading varieties of Standard Poultry. Plymouth Rocks are our leaders. Stock of highest quality at let live prices. Write for descriptive circular. Address W. F. HOLCOMB, Mgr. Nebraska Poultry Co., Clay Center, Neb.

## Cook's Barred Rocks

My last exhibit at Topeka in Jan., 1911, I won 1st, 3rd chl.; 2nd cock; 4th, 5th hens; 3rd pen, silver cup for best display, and GRAND CHAMPION MALE. TOPEKA CHAMPION was declared by expert opinion to be beyond question the best cockerel ever shown in the west; he won \$24 in cash, a beautiful silver cup and silver medal for best cockerel in the show. His blood greatly predominates in my flock. Better try some eggs which I am selling at \$1.50 per 15, \$3.50 per 50 and \$6 per 100. CHAS. J. COOK, Box B, Marysville, Kan.



## 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 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.

Tired of winter cooking and want something new? Why not make a little hotbed, just big enough for one window sash, and plant some lettuce and radish seed?

Did you see the splendid letters on summer flowers that were published in last week's Mail and Breeze? They had two pages all by themselves. This week we have another letter, and there are many other good ones yet to come.

The spring hats are different from anything we have had in a long time. They set down well over the head and they are very small. And whatever they are trimmed with, whether ostrich plumes, quills, ribbon, flowers, silk, or braid there is always something that stands up very straight and stiff and high. The effect is rather startling at first but on the whole they are decidedly pretty.

I have a letter from a reader recommending salicylic acid for canning beans. The use of salicylic acid in canned goods that are to be sold is absolutely prohibited by the United States government and by the Kansas state board of health, because it is dangerous. If beans are cooked properly, they will keep all winter as easily as fruit; so why should we poison ourselves by putting them up with a preservative?

Some time when your stomach has a hard time taking care of its usual food, surprise it by giving it some milk and raw egg. Now don't turn up your nose, please! Take a cup of milk. Beat up the egg, and add to the milk. Add sugar, a couple teaspoons or so, and some flavoring, such as almond extract or nutmeg, stir it up well, and drink it. If it is too "eggy" use one egg for two glasses of milk. Take this for a day or two instead of your regular food, and you will feel better.

## The Bride's First Biscuits.

[Prize Letter.]

The first time I ever made biscuits was when I was a bride of a month. We were living on a lonely farm. A friend of my husband came to stay over night. We used the last scrap of bread for supper, so I knew I must make biscuits for breakfast; and I pondered far into the night on how to proceed. After searching in vain through every paper, magazine and cook book in the house I decided to rely on myself.

I knew I had seen my mother put soda in them and I had recently heard a woman say she could make better biscuits with cold water than any other way. I don't remember exactly how those biscuits were made, but I know

that I used cold water and soda and that they refused to rise.

When I placed them on the table I told my husband there was some work in the cellar that required my immediate attention, and would they kindly excuse me? But he insisted that I must dine with him and his guest, which I very ungraciously did. The latter was very polite, but as he lifted the second biscuit I saw that an uncontrolled smile played around the corners of his mouth. I was deeply hurt and would have cried then and there. But my husband, who had quickly taken in the situation, hastened to say that the biscuits were fine—"there are times in life when the friend who lies is the only friend that's true"—and explained that they were my first attempt. I did not cry, but my heart was as heavy as my biscuits.

If any bride is searching for a recipe for extra fine biscuits I hope she will find this one. It is my own, learned by experience: Sift  $\frac{1}{2}$  teaspoon soda and 2 heaping teaspoons baking powder into a quart of flour. Mix well by shaking the pan, then mix in 2 table-spoons lard, as for pie crust. Add 1 pint thick, sour milk. Stir with spoon and handle just as little as possible, being careful not to make a stiff dough. Roll very thin; cut out and place in pan in two layers, which will make them break evenly and neatly in the middle when ready to be buttered.

Jennings, Kan. Pearl Chenoweth.

## Fruit Bread Pudding.

[Prize Recipe.]

Take 2 cups of stale bread crumbs, pour on water or milk to cover and let stand 10 minutes. Then add 2 cups finely sliced apples,  $\frac{1}{4}$ -cup sugar, 1 even tablespoon cornstarch, 1 teaspoon cinnamon, a little grated nutmeg. Bake half an hour in a moderate oven. Any other fruit may be used in place of apples. This makes an excellent dessert served with any preferred sauce, and is a great improvement over the plain bread pudding which so many dislike. Mrs. John Doege.

R. 2, Tonganoxie, Kan.

## Cherry Pudding.

Drain the juice from a quart of cherries by turning into a colander. Take 1 cup sugar,  $\frac{1}{2}$  cup meat fryings, 1 cup sweet milk, 2 teaspoons baking powder, and flour to make a thin batter. Flour the cherries, add to the above mixture and bake in a shallow tin. While warm cut in squares and serve with sauce.

To make the sauce pour the juice of the cherries into a saucepan, add 1 cup sugar, and thicken to the right consistency with cornstarch or flour.

Niles, Okla. Mrs. Floyd Baker.

## Canning Powders Dangerous.

Dr. S. J. Crumline, secretary of the state board of health, is receiving so many inquiries concerning Mrs. Price's canning powder, which was mentioned in a letter published two weeks ago, that he has asked the Mail and Breeze to publish something about it. Two or three years ago the state board of health issued a bulletin about this canning powder, which showed so conclusively the danger of using it that no one who read the facts there given would ever think of using it again. The powder renders the canned goods useless as food. It has preserved them for months in the can and continues to preserve them after they are in the stomach, so they cannot be digested. But worse than this, they actually injure the stomach. Dr. Crumline says:

"A package of these canning powders contains 30 grams, or about 1 ounce, of commercial boric or boracic acid. Since the contents of the package are claimed to be sufficient for 4 quarts of canned

goods there would be about 8 grams to each can of vegetables or fruit. Supposing eight persons are served from one can, each person would receive 1 gram of this chemical preservative at one meal. Since the makers of this powder advise using it for vegetables, catsups, sweet pickles, fruits, and anything that is liable to ferment, it might easily happen that enough foods containing this preservative would be eaten at one meal to increase the amount of boracic acid received by one person to 2 or 3 grains. This quantity has been shown by Dr. Wiley, chemist for the United States department of agriculture, to be very detrimental to health. Many experiments have been conducted to learn the effect of this acid, and people receiving such amounts showed numerous signs of derangement of the digestive tract. For a child to receive such an amount of the preservative might be very dangerous. Such substance being sold for use in a household where its nature is not known or understood cannot be too severely condemned."

## Possibilities of a Back Yard.

How many of us think to beautify our back yards? With most of us, all our flowers and choice bulbs go into the front yard. It is with our front yards as it is with our front windows. We seldom think to put a pot of flowers in our kitchen windows.

For two summers now we have planted all the ground we could spare from our garden to all kinds of old fashioned flowers, and how we have enjoyed them. It became necessary one year for us to put a small chicken pen close up by the back door. The pen was of wire netting 8 feet high, and was an eye sore in our otherwise beautiful back yard. But around two sides of the pen we planted first two rows of cosmos, then several rows of cannas, with a caladium on each side. Then we put in a bed of bright red geraniums and salvias, or flowering sage. As the cannas and caladiums are such free and rapid growers we had a complete screen for our chicken pen, besides a thing of beauty for all our friends. The bed is near the well and we throw all the waste water on it, and on wash day I put all the rinse water on the plants. For this reason they make a wonderful growth in a short time.

Across from this bed, on the other side of the walk, we planted a large bed of marigolds in rows 8 inches apart one way and 12 inches the other, with four o'clocks and asters, and beyond this is a long bed of nasturtiums. We also have petunias, chrysanthemums, gladiolus, tuberous rooted begonias in boxes, golden glow, tiger lilies, and others. If any one will try my plan of beautifying the back yard for just one summer, I know it will not be the last. We have only one lot. But besides our flowers we have a splendid garden and a strawberry bed, with a few gooseberry bushes, some blackberries, and 26 raspberry vines, and we have 12 roses of the choicest kinds.

Manhattan, Kan. W. M. Barber.

[When we remember that a lot in Manhattan, the space Mrs. Barber had at her disposal, is 50 feet wide and about 125 feet long, we shall understand how carefully she has used her ground.—Editor.]

## Things Other Women Know.

Break up all your old broken dishes, crockery, etc., and see how quickly the hens gobble it up.—Mrs. Susie A. Lewis, R. 1, Hoisington, Kan.

Sorghum molasses and powdered alum will give instant relief from croup. Give a teaspoonful.—Mrs. W. S. Dalton, Winfield, Kan.

To remove rust quickly put lemon juice on the spot and hold over the spout of a steaming tea kettle.—Mrs. George D. Kuns, Oskaloosa, Kan.

When I want to separate the white of an egg from the yolk I open the egg in a saucer and lift out the yolk with a tablespoon.—Mrs. George D. Kuns, Oskaloosa, Kan.

When the furniture needs cleaning take equal parts of varnish and benzine, add half as much vinegar as varnish and shake well. Use by dipping a soft rag into the liquid. Rub the furniture until it is glossy looking, and you will be pleased.—Hattie Suprenant, Clifton, Kan.

I do not put sharp knives and the can opener in the drawer where they

may cut the fingers. I tack a narrow leather strap near the table, leaving loops between the tacks large enough to let the blades pass through but not the handles. I can easily choose the one needed and see when one is missing.—Mrs. F. T. Edson, R. 2, Lone Wolf, Okla.

## HOME DRESSMAKING

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



- 6150—Girls' Dress, 4 sizes, 6 to 12 yrs.  
6784—Ladies' Dress, having six-gore skirt, 6 sizes, 32 to 42 inches bust measure.  
5535—Six-Gore Skirt, 5 sizes, 22 to 30 inches waist measure. Size 24 measures 2 1/2 yds. around lower edge.  
5988—Child's Dress, sizes 2, 4, 6, 8 yrs.  
6146—Ladies' Waist, 5 sizes, 34 to 42 inches bust measure.  
6143—Ladies' Skirt, 5 sizes, 22 to 30 waist.  
6096—Misses and Small Women's Dress, sizes 14, 16 and 18 yrs.  
2952—Child's Apron, 6 sizes, 2 to 12 yrs.  
5580—Tight-Fitting Corset Cover, 7 sizes, 32 to 44 inches bust measure.  
6021—Ladies' Shirtwaist, 6 sizes, 34 to 42 bust.

## USE THIS COUPON FOR PATTERN ORDERS.

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

Miss Mary Bidwell Breed, who was adviser of women at the University of Missouri last year, has been elected a member of the board of directors of Bryn Mawr college.



## Sensible Prices

are the rule at the Big Store, and our prices to Mail Order customers are exactly the same as to those who come to the store. We also pay Parcel Post or Express charges in Kansas, so that mail shopping is just as shopping in person, and our thorough Mail Order Service makes it just as satisfactory. We give you the best the stocks afford—and you may return any merchandise that proves unsatisfactory. All letters answered promptly and fully.

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Topeka, Kansas.



# MARKET PROBABILITIES

**Cattle Found a Fluctuating Market Last Week But Shortened Receipts Brought an Advance the First of this Week—Hogs Have Passed \$9 and Packers Seem to Have Lost all Control of the Market—Corn Going Up, Wheat Falling**

[Written for Farmers Mail and Breeze.]

The heavy storms throughout the North and Northwest which demoralized train schedules resulted in a sharp decrease in receipts of livestock at the five western markets Monday. The greatest decreases showed in Omaha and Chicago, though all markets were affected.

Cattle prices were quoted up 10 to 15 cents, in many cases showing a recovery of the net loss that occurred last week. Trade was active. It is believed that supplies will increase later in the week, as train service improves.

The cattle market last week was very unsettled, and while prices showed no decided net change fluctuations from day to day were the greatest of the season. The week opened with a heavy run in Chicago, and on Tuesday was liberal at other markets. Wednesday receipts were short all around and the loss that occurred the first two days was regained at mid-week. Thursday and Friday a net decline of 10 to 15 cents occurred. Taking the week throughout the market was so full of uncertainties that the unevenness gave the general trade a far worse appearance than conditions justified. Killers were vociferous in explaining that the beef trade was demoralized, that just before Easter there is always a slack demand and that they are well ahead of orders. However, no serious conditions have interfered in beef requirements except an advance of 1/2 to 1c a pound in the wholesale price has restricted the outlet. Eggs are higher, poultry correspondingly high, and both pork and mutton are scarce. Packers claim they have a fairly large surplus of beef on hand. Supplies have not been sufficient at any time to create a surplus, and with no increase indicated for the next two months it will be a hard hand to mouth deal with them. On the other hand feeders should use discrimination in marketing their fat steers. Another heavy Monday's run will put the fat steers on a lower basis, and where killers want them. Most of the fat steers are selling at \$8 to \$9, a few as high as \$9.25, and some as low as \$7.75. Steers from below the quarantine line are bringing \$7 to \$8.10, and the hay fed Western and sugar beet pulp steers \$7.50 to \$8.50.

## Butcher Cattle Prices Lower.

Last week killers lowered prices for butcher cattle 15 to 25 cents. Sales as much as 25 cents down were exceptions, and the bulk of the loss was in the vicinity of 15 cents. Packers were more pleased in getting this moderate concession than with anything they have accomplished in a long while. Butcher cattle is the greatest problem of the very high market and the general scarcity of cows and heifers has practically precluded killers from getting anything in the beef line at low prices. Cows sold at \$4 to \$5, and killing heifers at \$5 to \$6.60. The tidy weight steers and heifers mixed, and prime heifers were steady. Veal calves recorded top prices of \$10.25 at Missouri river points and \$12 in Chicago. Bulls were in active demand with top price \$7 to \$7.50.

## A Time of Big Cattle Deals.

The Southwest country continues its record-breaking pace in cattle deals. Last week Crocker Brothers of Chase county, Kansas, bought 5,000 4-year-old steers from Wilson & Popham, Amarillo, Tex., for \$300 a head or \$60 a head. The steers will be shipped to Kansas pastures in April.

B. Dawson of Shattuck, Okla., bought the 1913 calf crop of S. Dorsey, Canadian, Tex., at \$25 a head last week. The calves are unborn, but the contract was signed for November delivery. Mr. Dorsey has 2,200 cows on his ranch and expects to deliver 2,000 calves, or \$50,000 worth, next November.

Several corn belt feeders are in the Ozark mountains in Arkansas, Missouri and Oklahoma looking up stock hogs.

The above are only some of many deals going on in the livestock business, which makes the year of 1913 look like a record disturber. General scarcity, abundance of feed and high prices are incentives to buy.

## Hog Market at Top Prices.

Hog prices were up 10 to 20 cents and a \$9 or better top price was returned at all markets the first of the week. The top price in St. Louis was \$9.30, Chicago \$9.25, St. Joseph and Kansas City \$9.05 and Omaha \$9.

Packers uncovered their hand in the hog market last week, and prices reached new high levels for the year and were the second highest ever recorded in March. Nine dollars and better was paid in Chicago and St. Louis and \$8.90 was recorded at Missouri river markets. The week opened with a sharp decline. Chicago, Monday received 70,000, but elsewhere runs were light. However, 10 to 20 cents came off quotations early, but before the trade closed packers were in eager competition for supplies and additional advances occurred after Tuesday. The inability of packers to hold Monday's advantage is fairly strong proof that the market is beyond their control,

and that April will see still higher prices. In March, 1910, the highest prices ever known were recorded, but the run thus far this year has decreased the supply more rapidly than in 1910, and the high market this year is expected to fall a month later than in 1910. The quality of the hogs coming is good. A few inches still show sickness, and further sickness will show up as green feed comes on. Much apprehension has been felt in the past two stormy days on account of the young pigs, and in some localities heavy losses were reported.

## Hesitating Demand For Feeders.

The continued high prices for stock and feeding cattle has restricted the demand materially, and the market though only slightly lower than a week ago closed last week the dulllest in some time past. Countrymen still need cattle, but owing to the high prices many would rather do without. On the other hand those who have thin cattle are tempted to dispose of them and take a sure profit rather than feed, and risk uncertainty later. However, there is plenty of trade going on but bunches of cattle have sold so many times that it is hard to estimate the supply in final hands.

## Nine Dollar Lambs Again.

There was an active demand for sheep the first of the week with prices 10 to 15 cents higher.

Last week put the nine dollar lambs back in the list of quotations again, but in the final dealings they were less of a factor than at mid-week. Sheep scored a big 25 cent advance, and retained their firmness up to the close of the week. For fat lambs it is an \$8 to \$9 market, for ewes \$7 to \$7.75, wethers \$6 to \$7, and yearlings \$6.50 to \$7.75. Some prime light weight yearlings would go as high as \$8. Colorado, Montana, and the Northwest are the principal sources. The storm of the past few days fell at an inconvenient time for next week's loading and a lighter movement is expected. Most of the Colorado supply has been full fed, and the Northwest offerings are hay feds. Killers claim that offerings from the Northwest will last for sometime yet, and that the supply of young stuff from the south will be ready to move before final Western shipments are made. Some spring lambs sold in St. Louis at \$14 a hundred pounds, and a few more bunches will reach the various markets next week.

## The Movement of Livestock.

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

	Cattle	Hogs	Sheep
Kansas City	32,750	44,000	37,800
Chicago	50,300	148,000	82,000
Omaha	20,400	54,900	58,800
St. Louis	14,200	55,000	7,900
St. Joseph	8,250	29,100	9,500
Total	125,900	331,000	196,000
Preceding week	110,150	297,800	187,400
Year ago	109,500	358,075	209,600

The following table shows receipts of cattle, hogs and sheep at each of the five western markets Monday, March 17:

	Cattle	Hogs	Sheep
Kansas City	8,000	3,000	9,000
Chicago	16,000	30,000	17,000
Omaha	1,800	2,500	3,300
St. Louis	2,500	7,500	2,200
St. Joseph	500	600	
Total	28,800	43,600	31,500
Week ago	49,200	103,600	61,000
Year ago	43,460	77,500	48,600

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

	Cattle	Hogs	Sheep
Per 100 lbs.	1913 1912	1913 1912	1913 1912
Chicago	\$9.25 \$8.75	\$9.25 \$8.97 1/2	\$7.85 \$6.40
Kan. City	9.00 8.40	9.05 6.90	8.00 6.15

## Big Trade in Horses and Mules.

The movement of horses and mules through markets in the past week was the largest of the season, and prices were quoted down \$5 to \$15 a head. The medium and plain kinds predominated, and against them the bulk of the decline was directed. Plain quality usually shows up at this season, and is in keeping with the movement farmward. Dealers say they expect a recovery in prices as soon as receipts lighten. Southern demand is not very urgent, but the east is still after heavy drafters.

## Corn Higher; Wheat Lower.

The past week afforded ample moisture over the entire wheat belt for the start of the new crop, and with reserves on farms from last year's crop still large cash wheat prices were weak. There was little demand on either export or domestic account. The inability of farmers to get much corn to shipping points caused strong prices. Oats were quoted steady. The hay market still shows a

dull turn. Receipts have been small but demand is correspondingly light. The following prices prevail for grain in Kansas City and St. Louis.

	Kansas City	St. Louis
Wheat		
Hard No. 2	\$1.35 1/2 @ .86 1/2	\$1.38 1/2 @ .89 1/2
Soft No. 2	1.00 @ 1.07	1.05 @ 1.10 1/2
Corn		
White No. 2	.50 @ .51	.51 1/2 @ .52
Mixed corn	.49 @ .50	.49 1/2 @ .50 1/2
Oats		
No. 2 white	.34 @ .34 1/2	.34 @ .34 1/2
No. 2 mixed	.32 1/4 @ .33	.32 1/4 @ .33

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

	Wheat	Corn	Oats
	1913 1912	1913 1912	1913 1912
Chicago	\$1.04 \$1.13	51 1/2 67 1/2	34 1/2 54
Kan. City	1.06 1.09 1/2	50 1/2 70	34 1/2 53 1/2

## Hay Prices in Kansas City.

The following is the range of quotations on the Kansas City hay market:

Prairie, choice	\$10.50 @ 11.00
Prairie, No. 1	9.50 @ 10.00
Prairie, No. 2	8.00 @ 9.00
Prairie, No. 3	6.00 @ 7.50
Timothy, choice	12.50 @ 13.00
Timothy, No. 1	11.00 @ 12.00
Timothy, No. 2	8.00 @ 10.50
Timothy, No. 3	5.90 @ 7.50
Clover mixed, choice	12.00 @ 12.50
Clover mixed, No. 1	10.50 @ 11.50
Clover mixed, No. 2	8.50 @ 10.00
Clover, choice	11.00 @ 12.00
Clover, No. 1	9.50 @ 10.50
Clover, No. 2	7.00 @ 9.00
Alfalfa, fancy	17.00 @ 18.00
Alfalfa, choice	15.50 @ 16.50
Alfalfa, No. 1	14.00 @ 15.00
Alfalfa, No. 2	11.00 @ 13.50
Alfalfa, No. 3	7.00 @ 10.50
Straw	4.50 @ 5.00
Packing hay	4.50 @ 5.00

## Broom Corn Market Lifeless.

The trade in broomcorn continues to hold to an uninteresting and lifeless course. Some few traders are in the region of production buying but country roads have prevented any movement of the brush. Warehouse men say that broom makers are taking only such supplies as their immediate trade requires. Prices are quoted nominally steady. Choice, green, selfworking corn is quoted at \$85 to \$95 a ton; fair to good \$45 to \$80; common to fair \$20 to \$40 a ton.

## Seeds.

Kafir corn, No. 2 white, 81c a cwt.; No. 3 white, 79c @ 80c a cwt.; alfalfa, \$9 @ 12 a cwt.; flaxseed, \$1.05 a bushel; timothy, \$1.50 @ 1.75 a bushel; cane seed, 55c @ 90; red top, 75c @ 95; millet seed, \$1.00 @ 1.30.

## Livestock in Kansas City.

A net loss of 10 to 15 cents occurred in cattle prices last week, and the market each day showed practically an independent level of the preceding day. Receipts were liberal in the first two days of the week, but in the last four days less than 10,000 cattle arrived. The top price for native steers was \$9, several loads going at that price, and the bulk of the native steers brought \$8 to \$8.75, a few loads at \$7.50 to \$7.85. Quarantine steers brought \$7 to \$8.05. Demand for stockers and feeders weakened some. Feeders are quoted at \$7.25 to \$8.40, stockers \$6.75 to \$8.15. Butcher cattle were 15 to 25 cents lower, cows at \$4 to \$8, heifers \$5 to \$8.60, bulls \$4 to \$7.25, and calves \$5 to \$10.25.

Hog prices here Saturday were steady with Friday the high point of the week, and showed a net advance of 15 to 20 cents. The top price was \$8.85 and sales at \$8.60 to \$8.85 included the bulk. Only 1,000 were on sale.

The following table shows the range in hog prices in Kansas City in the past two weeks:

	Last week.	Preceding week.
Monday	\$8.30 @ 8.60	\$8.25 @ 8.50
Tuesday	8.40 @ 8.70	8.20 @ 8.50
Wednesday	8.40 @ 8.70	8.25 @ 8.50
Thursday	8.45 @ 8.85	8.30 @ 8.55
Friday	8.50 @ 8.90	8.35 @ 8.70
Saturday	8.60 @ 8.85	8.40 @ 8.75

Sheep prices at mid-week were up 15 to 25 cents, but in the next two days the advance on lambs was lost and sheep remained strong. Fat lambs are quoted at \$8 to \$8.75, wethers \$6 to \$6.85, ewes \$5.75 to \$6.65, yearlings \$7 to \$7.85.

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

	1913.	1912.	Inc.	Dec.
Cattle	333,145	312,328	20,817	.....
Calves	19,557	17,887	1,670	.....
Hogs	543,508	702,470	158,962	.....
Sheep	395,764	449,947	54,183	.....
H. & M.	26,758	24,139	2,619	.....
Cars	23,041	24,575	1,534	.....

## Livestock in St. Louis.

Prime steers this past week sold up to \$9.10, and several bunches brought \$8.75 to \$9. The market was quoted weak to 15 cents lower, but better quality gave the appearance of a higher level. Receipts were about as expected. A good many Southern cattle are coming. Prime steers are quoted at \$8.75 to \$9.10, good to choice \$8.25 to \$8.70, and fair to good \$7.25 to \$8.25. Cows and heifers bring \$5.50 to \$8.60. Texas and Indian steers are quoted at \$5.25 to \$8.25, and Texas and Indian cows \$4.25 to \$7.50. Stockers and feeders sold at \$5.50 to \$7.75.

Local hog prices last week were close to the \$9 mark on the average, and closing prices were top \$9.10 and bulk \$8.85 to \$9.05, a net advance for the week of 20 to 25 cents. Except Monday, trade was active.

Sheep prices were firm the entire week and made a net gain of 25 cents. Demand was active. Receipts were about normal. Lambs are quoted at \$7 to \$9.25, yearlings \$7 to \$8, muttons \$5.50 to \$7, and culls and bucks \$3 to \$4.75.

The following table shows receipts of cattle, hogs and sheep in St. Louis thus far this year compared with the same period in 1912.

	1913.	1912.	Inc.	Dec.
Cattle	188,618	145,961	42,657	.....
Hogs	573,221	689,979	116,758	.....
Sheep	143,429	199,224	55,795	.....
H. & M.	45,338	52,129	6,791	.....
Cars	15,479	15,565	86	.....

## Livestock in St. Joseph.

The cattle market early in the week was unsettled but after Tuesday the market strengthened and closing prices were 10 to 15 cents lower. Receipts have been fairly liberal, but demand is broad. Steers are quoted at \$7 to \$9, cows and heifers \$4 to \$8.50, calves \$5 to \$10.25, bulls \$4 to \$7, stockers and feeders \$5.75 to \$7.75. The hog market Saturday was the highest of the week. The top price was \$8.85, and bulk of sales \$8.65 to \$8.85, or 20 cents higher than quotations at the close of the preceding week.

Both sheep and lambs closed the week 5 cents higher, after an active six days' market. Lambs are quoted at \$8 to \$9.00, wethers up to \$6.75, and ewes \$6.50.

The following table shows receipts of cattle, hogs and sheep in St. Joseph thus far this year compared with the same period in 1912:

	1913.	1912.	Inc.	Dec.
Cattle	97,395	104,874	7,479	.....
Hogs	385,631	522,775	137,144	.....
Sheep	180,679	162,227	18,452	.....
H. & M.	8,746	12,818	4,072	.....
Cars	10,135	11,846	1,711	.....

## Butter, Eggs and Poultry.

Elgin, March 17.—Butter this week is firm at 34 cents.

Kansas City, March 17.—Prices this week on produce are:

Eggs—Firsts, new white wood cases included, 17 1/2 @ 18c a doz.; current receipts, 17 @ 17 1/2 c; seconds, 13 @ 14c. Butter—Creamery, extras, 34 @ 35c a lb.; firsts, 31 @ 32 1/2 c; seconds, 30 @ 31c; packing stock, 22 @ 22 1/2 c. Live Poultry—Broilers, 24 @ 26c a lb.; spring chickens, 15 @ 16c; hens, 13 1/2 @ 14c; roosters, 8 @ 8 1/2 c; young turkeys and turkey hens, 17 @ 18c; old toms, 14 @ 15c; cull turkeys, 7 @ 8c.

## Produce Prices Now and One Year Ago.

	Butter	Eggs	Hens
	1913 1912	1913 1912	1913 1912
Chicago	35 1/2 29	19 20 1/2	16 1/2 15
Kan. City	35 28	18 19 1/2	16 13

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**WRITE for big printed list of corn and alf. farms in rain belt of Kansas. Biggest list choice farms in state. Kenyon & Holtsman, Concordia, Kan. (Pioneer Kan. farmers.)**

**CENTRAL Southern Kan. alfalfa lands. 220 a. valley land, 200 suitable for alfalfa, \$8,000. 160 a. in valley, 120 in cult., \$4,500. For free list write P. H. THORNTON, Coldwater, Kan.**

**LIST YOUR FARM, city property and general stock of goods with me. Give full description and location in first letter. Be sure to say whether want me to trade or sell it. Hundreds of farms and city properties for sale anywhere you want them. C. HOLLIDAY, Woodbine, Kansas.**

**FINE 640 acre grain and stock ranch in Russell Co., Kansas, all fenced and cross fenced; 7 room house, large barn and other outbuildings; good well and mill. 360 farm land, 140 in wheat; balance pasture; 2 1/2 miles from good R. R. town on U. P. R. R., 1 mile from school. Will take \$35 per acre, 1/2 cash, balance to suit. Chas. L. Wolf, 4121 Hooker St., Denver, Colo.**

## Stevens County

Write for prices on R. R. lands. Easy terms. Santa Fe Land Co., Hugoton, Kan.

**ALFALFA FARMS** Write for list of farms and ranches near the best college town in the state.

**CATTLE RANCHES** T. B. GODSEY, Emporia, Kan.

## A REAL BARGAIN

To make division of property, will sell 400 acres of bottom land in heart of famous Artesian Valley of Meade County. Improved. Fine pump well and flowing well. 200 acres cuts two crops fine prairie hay. Adapted to alfalfa. Write PAUL R. WALTERS, Fowler, Kan.

## Sedgwick County Farm Bargains

200 a. farm, all good land, fair improvements, good location, only \$45.00 per acre. Just the price of grass land. 145 a. farm, good 7 room house, 2 barns, mostly alfalfa land, fine location, \$62.50 per a. Terms to suit. 240 a. farm, all alfalfa land, good improvements, only 10 miles to Wichita, the biggest snap in Kansas at \$60 per a. \$4,600 handles this. Come quick for this. Call on or write H. E. OSBURN, 227 E. Douglas Ave., Wichita, Kansas.

## 400 ACRES FOR SALE

Two sets of improvements in fair condition; plenty shade trees. 2 good wells, windmills and concrete water tanks; also creek water at each place. 240 a. of bottom alfalfa land and 160 a. of upland (black soil). 200 a. in wheat, 30 a. alfalfa, 60 a. pasture, bal. corn land, all tillable. 2 mi. town. Phone. Level roads. Will sell part or all. Terms on part. Price \$80 per acre. T. F. JOHNSTON, Garfield, Kan.

## KAW RIVER BOTTOM LAND

303 acres 2 miles east of Manhattan, in high state of cultivation. The land will produce 70 bushels of corn to the acre. Alfalfa 1 1/2 to 2 tons at a cutting. Soil is rich sandy clay loam, 25 feet deep. Fair set of improvements. Only \$125 per acre. Also 550 acres, 5 miles east of Manhattan, exactly same kind of land; improvements not so good. Will sell at \$110 per acre. Will divide this farm. Owner a non-resident and anxious to sell. Liberal terms of payment. WILLIAM O. TRAINER, Exclusive Agent, 844 Commercial Bank Bldg., Chicago, Ill. Commission to Brokers.

## Bargain of the Hour

One-half section, all in cultivation, 290 acres in wheat, 10 acres in alfalfa and the balance for spring crop; one-third of the crop to purchaser. This is one of the finest half sections of land in Pawnee Co., one mile from station on Santa Fe Ry.; has all ways been priced at \$65 per acre but the owner on account of his age has authorized us to put it to \$47.50 for 10 days. Why go to western Kansas and pay from \$25 to \$35 per acre for grass land and of an inferior quality, when you can buy this in one of the best counties in the state and nearly all in wheat from which you get returns in four months? Incumbance is \$5,600, 7% which runs over 4 years yet. Bal. cash. NO TRADES on this one. We do however make trades of all kinds. KIMMEL & GARTH, Larned, Kansas.

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

480 A. stock farm cheap; \$60 per a. 4 mi. from town; have other bargains. Send for list. Walter Hanson, Sabetha, Kan.

100 IMP. and unimp. farms for sale in Edwards, Ford and Hodgeman Cos. \$1,100 1/4 up. For further information and list call on or address THOS. DARCEY, Offerle, Kan.

CASH BARGAIN. 240 a. well improved, bottom land close to town. No waste. Part time. Price \$84. E. changes. Write JESSE SIMPSON, Scandia, Kan.

FOR SALE. 1,600 acres pasture in Ellis Co., Kansas. Fenced; watered. \$10 per acre, easy terms. W. W. BEMIS, Owner, Hays, Kan.

A BARGAIN—680 acres, 3 miles from town; 150 acres in wheat, balance in pasture. Price \$15 per acre if sold soon. Write PIONEER REALTY CO., Protection, Comanche Co., Kansas.

OWNER MUST SACRIFICE—Fine, whole section; 100 a. in fall wheat. Ideal community. 4 mi. from good town. Price \$7,200. Better than railroad terms. Investigate. WINONA LAND CO., Winona, Kansas.

DO YOU WANT this 80 acre farm? It is well improved, 1/2 mile of town. Fine schools. A small payment will handle it. Ask about it—you will be surprised. F. D. GREENE, Longton, Kan.

A SNAP. 240 acres valley and alfalfa land, running stream, small house and barn, 2-3 in cultivation, close to town, 70 a. in wheat, price \$32.50 per a. Half-cash, easy terms. TAYLOR & BRATCHEL, Coldwater, Kan.

672 ACRE farm, 3 sets improvements, near Arkansas City, Kan. 65 in alfalfa. Best of terms. Ask about this good farm. 80, 160, 240, 320, 400, 620, all above farms are good prices from \$20 up to \$56 per a. WM. GODBY, Arkansas City, Kan.

840 A. 7 mi. Minneola, 350 a. wheat—1/4 goes. 300 acres rough, fine pasture, bal. good farm land. This is a snap for a short time. Price and terms are right. Write for price and terms. ROY C. BEARD LAND CO., Minneola, Kan.

158 ACRES 5 miles of Ottawa, all tillable smooth land, 35 acres bluegrass, 40 acres timothy and clover, orchard, 9 room house, barn 40x60; double corn crib; holds 3,000 bu. corn, other outbuildings; buildings in good condition. Owner must sell; will loan \$8,500 6%. Price \$85 per acre. MANSFIELD, Ottawa, Kansas.

280 A. 2 1/2 mi. from Garfield, Kan. In great Arkansas river valley. About 1/2 bottom land, remainder upland; about 200 a. broke, bal. pasture. Good new 7 room house; other outbuildings in good repair. This is an ideal location for a stock or dairy farm being close to main line of A. T. & S. F. R. R. Priced for quick sale at \$30 an a. Address owner, C. R. MURRAY, Garfield, Kan.

COFFEY COUNTY, EASTERN KANSAS. Good homes and investments. Corn, tame grass and ranch lands, \$30 to \$40 per a. List free. LANE & KENT, Burlington, Kan.

50 FARM BARGAINS. Montgomery Co., Kansas; all sized tracts. Easy terms. \$30 to \$60 per acre. FOSTER BROTHERS, Independence, Kans.

WHEAT, ALFALFA AND GRAZING LANDS \$1,600 to \$4,000 a quarter. New railroad now building. Write for full information. H. J. HANSON, Hugoton, Kan.

IN JEFFERSON COUNTY, KANSAS. Best \$3,480 stock of drugs in best location, in best town in county. At a sacrifice. Address P. O. Box 203, Valley Falls, Kan.

COMANCHE COUNTY BARGAIN. 480 a. improved, 9 miles from Coldwater. 1 1/2 a. fine growing wheat, all goes, for quick sale, price \$27.00 per a. Terms if desired. C. A. HEATON, Larned, Kansas.

MONEY-MAKERS AND GOOD HOMES. Lands in Oklahoma, Texas and Kansas for sale, no exchanges. City property and stocks of mdse. to exchange. List free. JABEZ F. BRADSHAW, Lenexa, Kan.

SOUTHWEST KANSAS FARM LANDS. Honest prices. Where wheat leads the world. Corn crop values beat wheat and alfalfa growing leads the continent. LISTON DENNIS, Stafford, Kan.

BARGAINS. We have a large list of ranch land and improved farm land in Central Southern Kansas for sale at right prices. Write us for description and particulars. THE TETTERMAN LAND CO., Willmore, Kan.

ELLIS COUNTY, KANSAS. 240 acres, choice wheat farm, improved. 320 acres, unimproved. 400 acre dairy and wheat farm, improved. My best bargains. Write for description. H. W. OSHANT, Hays City, Kan.

## \$1.75 Per Month

for 10 months buys guaranteed, level, well located lot in Plains Kansas. "Special Bargains"—Only a few to be sold at this low price. ACT QUICKLY. JOHN W. BAUGHMAN, Desk G. Plains, Kan.

## Along the New Railroad

5 quarters in Haskell, Grant and Stevens counties, near new railroad towns on D. C. & C. V., for \$7 per acre, on easy terms. Can sell single quarters. HAVE GOOD PROPOSITION FOR AGENTS. DON VAN WORMER, Richfield, Kan.

160 A. bottom farm, improved, \$9,500. 440 acres first and second bottom, improved. 485 acres, highly improved, close to town. 160 acres, improved, \$8,500. All fine farms. Other fine farms, low price. No better for alfalfa, grain, fruit and vegetables. LOCK BOX 285, Wellington, Kansas.

4 STOCK FARMS for sale at \$30, \$41.50, \$60 and \$62.50 per a. PRALLE BROS., Bremen, Kansas.

IF YOU WANT TO BUY LAND in western Kan. for \$6 to \$10 an a., write Geo. M. Lynch, Co. Treas., Tribune, Kan.

KANSAS RANCHES FOR SALE. We have Kansas ranches for sale from 1,000 to 25,000 acres. Prices \$12.50 to \$30.00 per acre. Write for free list. V. E. NIQUETTE, Salina, Kan.

A REAL BARGAIN. 50 acre farm 6 miles Parsons, 3 1/2 miles good small town, new house, new barn, plenty fruit and water, \$3,000. DONAHUE REALTY CO., Mound Valley, Kan.

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

ALFALFA AND WHEAT LANDS at \$20 up. Grass lands \$10 up. Crops are good; prices are rapidly advancing—NOW'S the time to buy. List free. A few exchanges considered—they must be gilt edge. WILLIAMS & PICKENS, Meade, Kan.

LINN AND BOURBON CO. FARMS. Biggest bargains in Kan. Corn, wheat, timothy, clover, bluegrass land \$15-\$30. Coal, wood, gas, abundance good water. Fruit, everything that goes to make life pleasant. Large illus. folder free. EBY-CADY REALTY CO., Pleasanton and Ft. Scott, Kan.

FARMS AND RANCHES. 160 acres, 110 acres in alfalfa; about 50 acres in grass; good 6 or 7 room house; good barn and good fences. Plenty of water on farm; close to school and church. 4 mi. of a good town of 1,200. Price \$130 per a. Write or see T. L. Thompson, Augusta, Kan.

GOOD SMALL STOCK MDSE. FOR SALE. \$3,000 stock of merchandise, consists of some shoes, dry goods, ladies' underwear, notions, groceries, etc. In a good town in Anderson county, Kansas. Will give a discount for cash. Fine opening for right man. No trades. Address Lock Box 72, Colony, Kan.

## OKLAHOMA

INDIAN LANDS eastern Okla. rain belt. Write J. J. Harrison, Pryor, Okla.

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

30 FINE farms, bargains. N. E. Okla. valley. Dennison & Griswold, Claremore, Ok.

KAY COUNTY corn, wheat and alfalfa lands, \$20 to \$75 per acre. New list free. N. E. SAYLOR, Newkirk, Okla.

320 ACRE well improved farm, 2 1/2 miles N. W. of Nowata for \$50 an a. Terms. Would trade for Iowa or Illinois farm. Other snaps. WILKINSON BROS., Nowata, Okla.

IMPROVED 240 a. farm in E. Oklahoma for sale. Running water. Price \$45.00 per a. For full description write or see Troy L. Powell, Raymond Bldg., Muskogee, Okla.

800 ACRES black land, 2 1/2 miles from railroad. 450 acres in cultivation, 4 sets of improvements. \$30 per acre. E. HOLCOMB, Durant, Oklahoma.

320 ACRES creek bottom, alfalfa land, 6 miles two good towns, 200 in cultivation. 25 in alfalfa, more prepared. Moderate improvements. \$35 per acre. ROBERT L. KNIE, Cordell, Okla.

640 A. 3 mi. Hodgins, Okla., on main line Ry. In fine grass and timber; part tillable close to oil and gas well drilling. For quick sale \$5 per a. W. F. Colmon, Heavener, Okla.

BARGAINS on farms in New Eastern Oklahoma. Good wheat, alfalfa and small grain land. 47 inch rain belt. Fine, grass and several large ranches, cheap. Write today. Union Security Co., McAlester, Okla.

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

SEVERAL FINE FARMS FOR SALE in the best corn and cotton belt of Eastern Oklahoma; 80 to 600 acre tracts, \$25 to \$60 per acre. R. B. HUTCHINSON, Checotah, Okla.

INDIAN FARMS for sale in rain, corn and oil belt of N. E. Oklahoma at from \$15 to \$35 per acre. Easy terms. A perfect title is guaranteed. For description and prices write the owner, W. C. WOOD, Nowata, Oklahoma.

560 A. 9 mi. R. R. town, this county. 300 a. smooth and level, bal. not very rough. Splendid pasture. Mostly timber, but very scattering. No underbrush; some tillable; 1/2 million ft. Yellow Pine timber. Cheapest grazing proposition in Oklahoma. \$3.25 per a. Terms. SOUTHERN REALTY CO., McAlester, 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

FOR SALE: Well imp. 240 a. near city, \$12.50 a. J. A. Webb, Russellville, Ark.

FARMS and fruit lands. All sizes and prices. T. A. Bayley, Ft. Smith, Ark.

CHEAP homes. Send for literature. F. & M. Bank and Trust Co., Horatio, Ark.

OZARK fruit farm. Income \$7,000 in 1912. Heart's delight. H. Hall, Waldron, Ark.

GOOD farms, low prices, home mkt. Elevation. Health. Map. Lit. Hodge, Mansfield, 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.

160 A. valley farm \$1,700. 47 a. valley farm \$850. 160 a. valley farm 1 1/2 mi. out, \$2,500. Terms. Box 67, Hatfield, Ark.

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

DO YOU want a home? Do you want unimp. land for an investment? Let us show you some bargains. Some exchanges. Star Land Co., Gentry, Benton, Co., Ark.

DO YOU want a farm in Arkansas? If so, write for my illustrated book. Imp. and unimp. prairie, timber and rice lands. Write me today. Olaf H. Kyster, Stuttgart, Ark.

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

ATTENTION. We have selected list of very best bargains in farm, fruit, alfalfa and timber lands in Ark. Get our list of bargains. A. W. Estes Co., Little Rock, Ark.

160 A., 70 in cultivation, 10 pasture, bal. timber. 5 room house. Good barn well fenced. Excellent water. R. F. D. phone. Near school. Price \$20 per a. Write HUDSON REAL ESTATE CO., Cabott, Ark.

DE QUEEN, Ark., center best fruit and gen. farming country in Ark. Average price of land \$10 a. Write for information. Farmers & Merchants Bank & Trust Co., De Queen, Ark.

157 A. improved rich valley farm; 57 cultivation; bal. timbered; 2 mi. Ry. on public road; white neighborhood; \$12.50 per acre. SESSIONS BROS., Winthrop, Ark.

274 A. dark and red loam. 200 a. in cultivation, 6 room residence, 4 renter houses, barns, outhouses, wells, springs, orchard and pastures, on graveled road, railway and phone line. 1 mile from town. \$6,000.00, easy terms. H. M. McIVER, Texarkana, Ark.

Arkansas Land \$5 to \$40 per acre. 1913 land list free. J. E. DOW & CO., Cotter, Arkansas.

For Sale in Southwest Arkansas 80 improved farms at a price ranging from \$15.00 to \$40.00 per acre. Write for literature. SOUTHERN REALTY & TRUST COMPANY, Ashdown, Arkansas.

HOMESTEADS 261,230 acres subject to entry in North-west Arkansas—home of the big red apple. No swamps; no negroes; pure water. Home-seeker's Guide and Map showing location of vacant land, postoffices, railroads, public roads; giving synopsis homestead, timber and stone and isolated tract law, tells how and who is entitled to homestead under new three year act. Price \$1, post paid. OZARK HOMES, LOCATING & PUBLICITY CO., Dept. Y, Harrison, Ark.

## ARIZONA

ARIZONA for good government land. Climate healthy, summers cool, winters mild, soil fertile. Grain, fruit and dairy. 200 mile auto ride through valleys. ELGIN COMPANY, 723 Finance Bldg., Kansas City, Mo.

## CALIFORNIA

CALIFORNIA alfalfa and fruit lands. Only \$50 to \$110 per acre including water right. Terms, one-fourth cash, bal. 8 payments commencing second year. Send for booklet 161. Agents wanted. The Cal-Tex Inv. Co., 908 Security Bldg., Los Angeles, Cal.

## FLORIDA

FOR SALE BY OWNER: Four very desirable improved pieces of property in Alachua county, Fla. 90, 20, 30 and 30 acre tracts on large lake. Not to be classed with the ordinary Florida lands being offered for sale. Terms to suit customers. T. S. McMANUS, Waldo, Fla.

## NEW YORK

A MONEY MAKER, MUST GO 100 acres, 2 story house, 9 rooms, good condition. Well watered, piped to house and barn. Two basement barns, concrete floors, 46x40 and 20x40; granary, hen house, milk house, forty thousand feet saw timber, plenty fruit, one mile to railroad town; mow, rake, wagon, roller, plow, cultivator, horse fork, all for \$1870. \$1,000 cash, balance time at 5 per cent. Hall's Farm Agency, Owego, Tioga Co., N. Y.



## COLORADO

**BEAUTIFUL** trl. farms, fruit, sugar beets, grain, alfalfa. Ordway Land Co., Ordway, Col.

160 ACRES near Denver, \$3,500. Good improvements. Wells, fenced and cultivated. Fine soil, big crops. L. A. COBB INV. CO., 242 Century Bldg., Denver, Colo.

**EASTERN COLORADO**—The new home-stead law. Bargains in relinquishments. Farm land. You can buy it, if you try it; come and see it and you will do it. Lock Box 713, Garden City, Kan.

**LISTEN!** 1,240 acre ranch, 8 room plastered house, outbuilding, water in house, 130 alfalfa, orchard, grain land, 6 miles station. Open range. On telephone line and state road. Heirs want division. Plenty decreed and underflow water. Close to coal mines. **BIG BUY** at \$25,000.00. SEE HERE! Only \$5,000 cash, balance 6%. W. H. ALLISON, Rye, Pueblo Co., Colorado.

**GOLDEN opportunities** for a home and investments—NOW. Fine farms, ranches, \$2 to \$10 per a. A few relinquishments. Did you see "bleeding, alms-receiving Kansas" become the wealthiest state per capita? Only a few hours' west of Salina, no finer soil on earth; 50 schools, 4 banks, churches, best of Colorado. Now. Pamphlet. R. T. CLINE, Towner, Colo.

**A REAL INVESTMENT IN COLORADO.** 600 acre stock ranch with own water right, reservoirs and ditches. 85 acres in alfalfa, 300 acres can be irrigated. Plenty of timber for all purposes. One mile from school. 8-room house, barn, outbuildings, fences and orchard cost more than price asked. 3 miles northeast of La Veta in Huerfano Co., Colo. Plenty of free range for stock. Write us for further particulars of this and other bargains in stock ranches, irrigated farms. Gilmore & Co., 439 Century Bldg., Denver, Colo.

**THE INTERNATIONAL REALTY & INV. CO.** 618-20 Gas and Electric Bldg., DENVER, COLORADO. Write us for highly improved irrigated and dry farms, choice Fruit Tracts in Colorado, and City Property in Denver.

**SNAP** 160 acres; rich, level, fertile land; all fenced and cross fenced. 100 acres in high state of cultivation; fine young orchard, and several hundred young shade trees. House, barn, well and windmill, and other improvements. Located close to county seat and railroad division town with 1,200 pop. Produced 25 bu. of wheat per acre in 1912. A splendid farm and a genuine bargain for \$20 per acre. Write for terms and full description of this, and my list of 26 fine unimproved farms that I am closing out at a sacrifice on easy terms of payment. These lands pay for themselves in one year—from the proceeds of the first crop. Best of schools and finest climate in the U. S. Write for free information.

CHARLES E. PURDY, Box 359, Akron, Colorado.

## TEXAS

**FREE.** Taylor's Texas Investor (Magazine). A money saver, write now; six months free. H. S. Taylor, Houston, Tex.

**WRITE FOR FREE** literature describing choice lands in the Eagle Lake district. Send your name today. Fidelity Immigration Co., Eagle Lake, Tex.

**THE BEST** cheap land proposition in the United States today. Wheat yielding from twenty to forty bushels per acre, all other crops equally good. Write us for particulars. J. N. JOHNSON LAND CO., Dalhart, Tex.

**LISTEN!** Tarrant county, Texas, has more railroads, more inducements for homeseekers in good lands, plowed roads, good markets, health record, schools, churches, etc., all things considered, than any county in the Southwest. Ask for special list of farms, ranches and dairy propositions, close to this great city. KITCHEN-VAUGHN-SEAVER CO., Fort Worth, Texas.

**OVER 8 million** acres land for sale in West and South. Tracts from 40 a. to 200,000. Price \$1.25 per acre and up. We are agents for the Famous Yellow House Ranch, in the shallow water belt of Texas. Best alfalfa and wheat land on earth. \$20 to \$25 per acre. Ten years' time. We want reliable, live wire agent in every county in Oklahoma, Kansas, Nebraska, Missouri, Iowa, Illinois, Indiana, Michigan, Ohio and Wisconsin. References given and required. Good contract to right man. Real estate men preferred. 1913 catalog now ready. EDWARD F. WEBSTER REALTY CO., 411 Commerce Bldg., Kansas City, Mo.

**BUY COAST FARM LANDS.** We make a specialty of locating the best for the money for the homeseeker and investor. For list and free information write C. H. Stanciliff Land Co., Houston, Tex.

**HALF THE PRICE** You pay in the North, or less, will purchase prairie land, 160 acres up. Will yield 40 bushels corn per acre, only \$40 per acre. Plenty rain, fine climate. Have some exchanges. See or write JNO. C. PENN LAND COMPANY, Houston, Tex.

**PROFITS IN GULF COAST LAND.** Wonderful production, large increase in value, an attractive home. Get our Free Booklets, "The Road to Prosperity" and "A Pointer on Where to Buy Land." Will send you free "The Gulf Coast Bulletin" for 6 mo. Write THE ALLISON RICHIEY LAND CO., 2nd Floor Carter Bldg., Houston, Tex.

**All About General Farming in the Mid-Coast Country of Texas** Write for our illustrated booklet. **Mid-Coast Colonization Company** A. A. Highbarger, Mgr., Bay City, Texas.

## MISSOURI

80 A. Improved farm \$1,000 cash. F. H. Brown, owner, Mayview, Mo.

25 OZARK bottom farms. List free. Write J. H. Wright, Marshfield, Mo.

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

160 A. farm, \$1,800, imp. Write for picture. Box 594, Mountain View, Mo.

**HOMESEEKERS** farm list. Southwestern Land & Imml. Co., Springfield, Mo.

**WELL** imp. 160 acre farm, 6 1/2 miles out; \$4,500, on easy terms. Write for particulars. DeMotte Realty Co., Mountain Grove, Mo.

**FREE.** "The Ozark Region." Contains new list cheap lands, and valuable information. Durnell & McKinney, Cabool, Mo.

**WRITE** for list improved farms in heart of Corn Belt (Northwest part of State), H. J. Hughes, Trenton, Missouri. Seller of Missouri Black Dirt.

**LAND BARGAINS**—\$5 down, \$5 monthly buys 40 acres, good timber land, south Missouri; price \$200. Perfect title. Write for list Mo. lands. Fred Jarrell, Mt. Vernon, Ill.

**VALLEY FARMS.** \$25 to \$50; unimproved lands, \$5 to \$20; orchard and berry farms, \$40 up; water and climate unexcelled. Literature and free list. ANDERSON REAL ESTATE CO., Anderson, Mo.

**I HAVE** for sale fine farms from 40 a. to 1,000 acres, at \$5 per a. and up, in one of the best counties in the state of Missouri; new railroad now building. For list and particulars write W. D. Blankenship, Buffalo, Mo.

**ONE OF THE BEST** 200 acre farms in Howell Co., Mo. 160 a. cult. Good house, large barn, other buildings. Fine water, all fenced; plenty fruit. Near county seat. 3/4 mi. school, 3 mi. town. \$6,500. Terms. No trade. A. P. COTTRELL LAND CO., Pomona, Howell Co., Mo.

**A SNAP FOR THE CASH.** 200 acres, 160 fenced, 120 cultivation. 2 1/2 miles to postoffice, 1 mi. to school, 10 to county seat. Good house and barn; everlasting spring, fruit; price \$4,000. Will give terms. KIRWAN & LAIRD, West Plains, Mo.

## 530 ACRES

Taney Co., Mo. 9 miles from r. r., 3 miles Co. seat. 100 a. under fence. Log house, stable, grided well; 75 a. in cult., 200 more tillable. Bal. good grazing land. Well watered by springs and White River. Cedar and oak timber. Price \$15 per a. Write L. A. ATKINS, OWNER, HOLLISTER, MISSOURI.

# FOR SALE OR EXCHANGE

**GROCERIES** for land or land for mdse. F. Gass, Joplin, Mo.

**EXCHANGES**—all kinds—free list. Foster Bros., Independence, Kan.

**OZARK** farms and mdse for sale or trade. Noah Atkinson, Marshfield, Mo.

**FOR** sales or exchanges anywhere write Co-operative Realty Co., Humansville, Mo.

**FOR** results list your property for sale or exchange with S. H. Rhea Real Estate and Auction Co., Moline, Kan.

**FREE**—Loose Leaf Exchange Book. It will match your trade. Write Desk A. E. P. JOHNSON, Ordway, Colo.

**LISTEN!** Have you land, mdse., any other prop. for ex.? Write particulars. A. W. Groeneman, Box 913, Colorado Springs, Colo.

**\$16,000** GENERAL merchandise, never changed hands; for good Kansas land. A. W. BREMBYER, McPherson, Kansas.

960 A. Trego Co.; 200 creek alfalfa land, impr. \$24,000. Would consider good 160 acre farm for part. Stevens & Ruby, Stockton, Kan.

**TOUCH** a live wire. Our Red Letter Special will trade your property. List today. Guaranteed deal. Write for particulars. Midwest Realty Exchange, Riverton, Neb.

**HOMESEEKERS** or investors, buy or trade for Kansas land now before the rise which is sure to come. Send for cash or trade lists. Buxton Land Co., Utica, Ness Co., Kan.

**WOULD** you trade your farm; city residence, rental property; mdse.; hotel; steam plow; auto or other property for good land? Write Kysar Realty Co., Goodland, Kan.

**WHAT** have you to trade for Arkansas level cutover land? Close to railroad; no overflow; no negroes; no rocks. Shaeffer Land Co., 640 Reserve Bk. Bldg., Kansas City, Mo.

**BOOK** 1,000 farms, etc., everywhere, for ex. Get our fair plan of making quick square trades. Graham Bros., Eldorado, Kan.

**FOR SALE**—Choice wheat, corn, and alfalfa lands, in Clark, Ford, and Meade Cos. Write for list, trades. NATE NEAL, Real Estate, Minneola, Kan.

**CHOICE** alfalfa land for sale or exchange; from 40 acres to a section. Also a few extra good bargains for cash. CHAS. D. GORHAM, Garden City, Kan.

**FOR SALE AND EXCHANGE** Ozark lands in tracts to suit, \$4.00 acre up. List free. Anna E. Hockensmith, Ava, Mo.

**FOR SALE AND EXCHANGE.** Washington Co. improved farms at \$50 to \$180 a. Write F. E. Beeson, Washington, Ka.

**WANT ARKANSAS LAND** in exchange for good improved 160 acres Phillips Co. Other exchanges. I. R. ELDRED, Phillipsburg, Kan.

**FARM BARGAINS.** Farms, ranches, city property and merchandise; for sale or exchange, any size, any price, anywhere. Write for large free list. SEWELL LAND CO., Garnett, Kan.

**REAL ESTATE EXCHANGES.** List your farms, merchandise, income property with us. Write for our exchange book. We trade anything, anywhere. OWNER'S SALE & EXCHANGE, Independence, Kan.

## MISSOURI

**STOP!** Listen! 80 a. creek farm \$850; terms. Other farms. McGrath, Mountain View, Mo.

**\$5 DOWN \$5 MONTHLY** buys 40 acres near town; grain, fruit, stock and poultry land. Price \$200.00. Other bargains. BOX 372-R, Carthage, Mo.

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

## Public Land Acquired Without Residence

Write for particulars of organization forming for securing large block public agricultural land at government appraisalment; \$500 represents 140 acres. KELLY & KELLY, Sharp Bldg., Kansas City, Mo.

## A Remarkable Bargain

320 A. all level land, 65 a. in cult., 80 a. pasture; bal. saw and tie timber. 180 fenced, wire and rail; 9 room house, good well at house; barn 10x76; good well at barn; smoke house, other outbuildings; phone in house; handy to school and church; 6 mi. to North View on Frisco R. R. 5 mi. to Fairgrove; 8 mi. to Co. seat, Marshfield; price \$17,500. Incumbrance \$5,000, 5 per cent, due 6 years; will exchange for good Kansas farm. Will assume as much as \$9,000. What have you to offer? See or write PURDY & COMPANY, Springfield, Mo.

## S.E. Mo. Corn Lands

We are in the heart of the drained lands of S. E. Mo. The soil is a fine black, sandy loam and adjoins town of Malden; population 3,000. Five thousand acres have been sold and is in cultivation. A Kansas farmer said he would not take \$1,000 for his bargain. The price on this land is \$30 per a. 1-6 cash, bal. one, two, three, four, five years at 6 per cent. Write for literature. MALDEN REAL ESTATE CO., Malden, Mo.

## Ozark Unimproved Farm Bargain

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

**IF YOU** have mdse., income property or land to trade, list it with Triplett Land Co., Garnett, Kansas.

**FOR SALE OR TRADE.** A fine large 28 room hotel on 3 lots in Co. seat town of 900. Electric lights, water system, other bldgs. \$15,000. For a ranch or farm up to value. W. A. DOERSCHLAG, Ransom, Kansas.

**FOR EXCHANGE**—160 acres improved, 3 1/2 miles Dunlap, Lyon Co., Kansas, and 320 acres 5 miles Burlington, Colo. Smooth, unimproved. I will exchange either one or both on cash basis for eastern or central Kansas farm adjoining town. J. N. SMITH, Larned, Kansas.

**FIRST CLASS HOTEL FOR SALE.** 20 rooms in the best small new town in south Florida. New and modern, completely furnished, good water connections in house. A rare opportunity for a hustler. FLORIDA DEVELOPMENT COMPANY, Davenport, Fla.

**FOR EXCHANGE.** 160 a. in Anderson Co., Kansas, 4 mi. of Goodrich, improved, good farm; wants resident property in Topeka or Kansas City. 320 a. timber land, smooth, in Christian Co., Mo., 5 mi. of Chadwick. Price \$6,400. Want mdse. SPOHN BROTHERS, Garnett, Kan.

**Buy or Trade** with us—Exchange book free. Bernie Agency, Eldorado, Ka.

**OIL BUSINESS** Good paying business; one man can handle. Want small farm. Box 587, Larned, Kan.

**For Sale or Exchange** Land in the great corn belt of Missouri, Kansas and Nebraska. Also Ranches. If you wish to make an exchange address M. E. NOBLE & SON, 507 Corby-Forshee Bldg., St. Joseph, Mo.

# Wanted

To trade 160 acres extra fine, level, bottom land in east end Hodgeman Co., Kansas. Timber and running water on one side, share 100 acres wheat, for stock or groceries. Don't write unless you mean business. M. W. PETERSON, Hanston, Kan.

## FOR SALE OR TRADE

2,100 a. ranch in eastern Nebraska, 20 mi. from O'Neill, Holt Co., all bottom land and good grass and hay land. This is the making of the best ranch in the state. One-third equitable trade, some cash and carry bal. Also \$4,200 first mortgage on 313 a. farm, St. Clair Co., Mo. Due in less than 2 years at 6%. Will take mdse., hardware preferred. Submit your offers. W. L. BOWMAN REALTY CO., King City, Missouri.

## Kansas City Income Property

Should you want to trade for a flat or business corner, we can furnish you with an inventory of actual and assessed value of same for \$10, an amount less than to make the trip. Information to your advantage from a disinterested standpoint. 20 years' experience on leases, assessment, taxation and insurance for the Kansas City Stock Yards Co. and other Boston interests. J. W. MERCHANT, Agent, 213 Massachusetts Bldg., Kansas City, Mo.

## MISSOURI

**BATES COUNTY FARMS**—ranging from 40 to 800 acres; \$40 to \$75; located 60 miles south of Kansas City, Mo. J. D. SAGE, Amsterdam, Mo.

**OZARK LANDS FOR SALE.** 40 a., all fenced with woven wire, 38 a. in cultivation, bal. pasture, new 5 room house, large barn and other outbuildings, fine water, 1/4 mi. school; mortgage \$500 due 4 yrs. at 5 1/2%. Price \$1,400. List free. JAS. B. WEBB, West Plains, Mo.

## LOUISIANA

**DON'T** be a renter; we sell finest improved corn land in North Louisiana on 15 years' time. Write HUGO JACOBSON, Salina, Kansas, immigration agent.

## Ruston, Louisiana

Is the best place for a tenant farmer that only has a little money to own a farm. Rich fertile soil—Ample rainfall.

## Healthy Climate

Two crops a year—Good markets. \$19.00 to \$25.00 an acre, easy terms. No floods, mosquitoes or swamps. Write for illustrated literature. NORTH LOUISIANA REALTY & INV. CO. RUSTON, LOUISIANA.

## There is Lots of Louisiana Land That Will Produce Three Times Its Cost Every Year

Louisiana is in a class by itself. For rich land, big crops, low prices. It makes no difference if you are rich or poor, an owner or tenant, where you live, or what you are interested in, Louisiana offers you more opportunities, more show to get ahead, bigger returns for your work and investment, than any other section on the North American continent, barring none.

We have soil here that is so rich it could be used to fertilize your northern farm. We can raise the biggest kind of crops of corn and alfalfa; fatten hogs and cattle for half the money it costs in North or Middle West, and this land can be bought from \$10.00 to \$25.00 per acre.

We have issued a nice illustrated booklet with a number of fine photo engravings showing the splendid growing crops of this country. It tells FACTS in big letters about this section in a simple and a plain way. It is free to you just for the asking. Every farmer should read this book for the information undoubtedly will prove to be of great value to you; it probably will give you the opportunity of making an investment, the best you ever made in all your life. Farm for yourself; farm in Louisiana and particularly farm in Alexandria district. Sit right down now and write us a letter for full information about this most wonderful section of the country. COOK-ALEXANDER LAND CO., Alexandria, Louisiana.

## CANADA

**CANADA** For sale, improved farms, ranches and raw lands in Southern Alberta. LYNN W. BARRETT, Aldersyde, Alberta.

## Flax For Dry-Land Farmers

PROFESSOR BOLEY'S ADVICE.

That flax is going to play an important part in the development of the dry-land West, is the belief of Prof. H. L. Boley of North Dakota Agricultural college, one of the country's flax experts. Dry-land farmers east of the Rocky Mountains are overlooking a source of good income if they do not include flax as one of their profitable crops, he thinks.

"The crop is specifically drought resistant by nature," says Prof. Boley, "and the conditions necessary to best seed quality are found under those of the semi-arid foothills of the Rocky Mountains, where dry land agriculture is being practiced—dry air, cool nights, warm, sunshiny days and a firm subsoil. I am convinced that there are few crops, other than hoed crops, which can withstand the amount of drought that the flax seed crop can and yet produce a paying crop. It is my belief that it can be produced in paying quantities further west and higher on the foothills of the great plains than can any other of the small grains."

Success with flax depends a good deal on whether or not plump, clear-colored acclimated seed is used. The seed should also be disinfected with formaldehyde and planted in a solid, moist seedbed. Rotation should be practiced that will bring it on the same land not more than once in five or six years and one of the crops during this period should be of a nature that requires thorough cultivation. Corn and pasture land seem to leave the ground in the best possible condition for a crop of flax.

That the prices of flax will always remain high is attested by the fact that the demand for linseed oil, oil meal, and various other flax products is constantly increasing.



# FARMERS CLASSIFIED PAGE.

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

## HORSES, CATTLE, HOGS, SHEEP.

SHEPHERD ponies. Write for prices. Charles Clemmons, Coffeyville, Kan.

FOR SALE—Fine registered Holstein bull calf. J. T. Meierdicks, Marion, Kan.

GOOD 2-year-old jack for sale. Guaranteed to work. Write N. A. Littleton, Leeds, Kan. 13 miles south Moline.

DUROC HOGS, Bronze turkeys, Barred P. Rock and Brown Leghorn chickens for sale. J. M. Young, Fall River, Kan.

GOOD BIG JACK fifteen, one standard 8 yrs. Right every way. Priced to sell. \$600.00. L. Cox, Concordia, Kan.

CHOLERA IMMUNE fall Duroc boars. Best blood lines with quality. Write for particulars. G. M. Shepherd, Lyons, Kan.

FOR SALE—Eight Jersey bull calves; some from high producing dams; some ready for use. Chester Thomas, Waterville, Kan.

FOR SALE OR TRADE—Two large Mammoth jacks and one imported Percheron horse. Call or address Doolin Bros., Harris, Kan.

TWO three-year-old Galloway bulls raised at Capital View, Topeka, for sale at 100 dollars per head by Conrad Kruger, Pfeiffer, Kan.

FOR SALE—Two big, heavy boned jacks, coming two and three years. One coming four, cheap. Will trade. Geo. W. Siders, Moran, Kan.

FOR SALE. Percheron stallion, bred good, from 2 year and over, coach mare and filly. Scotch collier pup. Address A. W. Toews, Inman, Kan.

YEARLING Angus bulls for sale, sired by Eden Erica 70723; registered stock and good individual; ready for service. W. L. Maddox, Hazelton, Kan.

FOR SALE—25 small Jennets, blue and black, five or six hundred lbs. Twenty-five apiece or trade for big jack or Shetlands. Write quick. Ronald Smith, Route 1, Box 37, Wichita, Kan.

FOR SALE—Registered Percheron stallion, dark steel grey, coming three, weight between nineteen and twenty hundred. Sure foal getter, extra fine individual. A. C. Williams, Valley Falls, Kan.

FOR SALE—5 head of registered Percheron stallions. All blacks and fine individuals, ranging in age from one to four yrs. old and priced from \$175.00 to \$400.00. H. J. Wahlenmaier, Rt. 3, Arkansas City, Kan.

FOR SALE—1 Bay stallion wt. 950 lbs. 10 years old, known as Winsor Walnut. Been tracked. Has a low rec. 2:13 I am told. A money maker for some one. Reason, I am leaving the state. Address 274 Washington, Kan. Information as to pedigree can be had.

## POULTRY.

BRED TO LAY S. C. W. Leghorn eggs and baby chicks; will exchange for Kaffa. Okla. City, Route 8, Box 62.

## DOGS.

WOLF HOUND pups for sale. Geo. Vernon, Simpson, Kan.

SCOTCH COLLIES. Western Home Kennels. St. John, Kan.

WOLF and coon hounds for sale. Jesse Ashburn, Garnett, Kan.

SCOTCH collier pups, from registered working stock. Box 66, Inman, Kan.

COLLIE pups dirt cheap. Registered stock. C. Holliday, Woodbine, Kan.

WANTED—White Esquimo-Spitz puppies under eight weeks old. Brockways Kennels, Baldwin, Kans.

AT STUD or for sale. Bismark pedigree English bull Terrier. A fine individual. Box 323, Halstead, Kan.

FOR SALE CHEAP—Collie pups, eligible to registry. From working stock. Belden Bros., Hartland, Kan.

REGISTERED English bloodhounds; young stock, guaranteed to make man-trailers. Best blood in world. Max J. Kennedy, Fredonia, Kan.

## SEEDS AND NURSERIES.

SEED CORN. Laptad Stock Farm, Lawrence, Kansas.

WHIPPOORWILL cowpeas \$2.50 per bu. H. C. Ruppel, Inola, Okla.

HAND threshed red Kafir corn \$1.00 per bushel. James Grennan, Burlington, Kan.

SPANISH PEANUTS for sale 5c per lb. F. O. B. Aline, Okla. John W. Burkes.

CHOICE hand threshed New Era cowpeas \$2.30 bushel. Fred Pacey, Miltonvale, Kan.

GERMAN Millet, High Grade. Write at once for price. L. E. Webb, Bloom, Kan.

CHOICE FRUIT TREES, ornamentals, berry plants. Waverly Nurseries, Waverly, Kan.

DWARF straight neck milo heads \$2.00 per 100, sacked. Frank Franklin, Vinita, Okla.

SOY BEANS—Ebony variety. Write for samples and prices. B. Freeland, Dalton City, Ill.

## SEEDS AND NURSERIES.

50 BUSHELS of re-cleaned alfalfa seed \$8.00 per bu., sacks free. John Ryman, Dunlap, Kans.

WHITE PEARL seed corn, choice, carefully selected and tested seed. W. A. Hunter, Manhattan, Kan.

SEED CORN—Iowa Gold Mine and White Cap; \$1.25 per bushel, sacks free. H. A. Hamilton, Yutan, Neb.

SEED SWEET POTATOES. Six best varieties. Also cantaloupe seed. Grown by E. H. Pixley, Wamego, Kan.

WHITE SWEET CLOVER seed 15 cents per pound F. O. B. Axtell, Kan. W. H. Connet, Dealer in Grain and Seed.

CHOICE improved Blackbush White Kafir. Bushel or more, \$1.00 per bushel, sacked. F. O. B. Ross Arthur, Buffalo, Kan.

HOME GROWN alfalfa seed, finest quality. In any quantities. Write for sample and prices. D. Badger, Eureka, Kan.

SEED OATS. New Kherson. Very early. Productive. Price very reasonable. Sample free. F. M. Riebel & Son, Arbela, Mo.

MAMMOTH black hulled White Kafir. Hand threshed. Selected for early maturity 17 years. J. G. Mitchell, Lafontaine, Kan.

McGEE TOMATO—1200 bushels per acre. Please send me your address for full particulars. M. C. McGee, San Marcos, Texas.

NO. 1 alfalfa seed for sale. Free from weed seed. Price \$1.50 per bushel. Sample free, sack free. Wm. Littlefield, Belvue, Kansas.

SWEET SEED Potatoes, large or small. Early Golden, Red Bermuda, Vineless. All in fine condition. Markham's Gardens, R. 7, Pittsburg, Kan.

SPANISH PEANUTS. Re-cleaned for seed. \$5.50 per 100 lbs. Freight paid. Best feed for dairy cattle and hogs. Write for method of culture. M. Feigel, Wellston, Okla.

SEED CORN. Reid's Yellow Dent, Shendoan Yellow and Boone County White. All corn is carefully picked, tipped and graded. Price \$2.00 per bu. A. C. Hansen, Willis, Kan.

IF YOU want pure Spanish peanuts for seed, get them from us. We have 12,000 bushels of selected seed, \$1.25 bushel, Comanche, Comanche Grain and Elevator Co., Comanche, Okla.

300 BEST VARIETIES strawberry plants. \$1.50 express paid fall bearing strawberries, dozen \$1.25, 100 \$8.00. 25 Black Raspberries never winter kill, \$1.00. W. H. Koell, Box 740, Hampton, Iowa.

PURE SEED CORN. Hildreth Yellow, Kansas Sunflower Yellow, Boone Co. White, Commercial White, White Pearl, also Kafir. Write for free sample and circular. J. M. McCray, Manhattan, Kan.

JOHNSON CO. WHITE, selected at husking time; guaranteed pure and satisfactory. Germination test 99%. Won first at Manhattan. In ear sacked or crated \$2 per bushel. H. H. Neumann, Hanover, Kan.

SEED CORN—Early selected and well cured, fire dried since selected, seed in ear testing 96 per cent, sold on approval. Also clovers, timothy and field seeds. Samples and circulars on request. L. C. DeWall, Gibson City, Ill.

FOR \$1 I will send you 8 apple, pear, peach, plum or cherry 2 yr. 4 to 6 ft. trees or 75 raspberry, blackberry or dewberry or 20 grape, gooseberry, currant or rhubarb, or 100 asparagus or 200 strawberry plants, or 25 Red cedar or other evergreens or 8 Rambler roses. Catalogue free. Nicholson Nursery, Manhattan, Kan.

SEED CORN for sale. Reid's Yellow Dent, Hiawatha Dent, Golden Beauty, 90 Day Yellow Dent and Boone County White. Nubbed and graded. Price per bushel \$2.00 sacked. F. O. B. Atchison, Kan. In ten or more bushel lots per bushel \$1.75. Manhattan test 96 to 100 per cent. I grow this corn. John Brox, R. F. D. No. 6, Atchison, Kan.

FOR SALE—1,000 bushels Boone County White Seed corn. 200 bushels Hildreth's Yellow Dent Seed Corn. 50 bushels Black Hull White Kafir corn for seed. All guaranteed 95 per cent to Germinate. All at \$1.00 per bushel shelled on board Cars, Humboldt, Kans. Cash with orders. Josiah Wood, Dealer in Hay, Grain and Seed corn a specialty.

## LANDS.

A SNAP. 440 acres 2 miles from town, well improved \$35.00. Box 72, Spivey, Kan.

FOR SALE OR TRADE—Locust grove at Kremlin; 15 lots Tulsa, Okla. A. T. Jones, Sentinel, Okla.

\$10 AN ACRE for good Kansas land; terms easier than renting. C. Post, Mound City, Kan.

FAMOUS Boise valley ranches for sale by owner. \$75 and up. Krulish Bros., Meridian, Ida.

FOR SALE—Eight fine building lots adjoining college campus. Riley Ingraham, Manhattan, Kan.

IMPROVED ranches and farm lands, large cattle ranches a specialty. Prices right. Ask C. K. Gwinn, McAlester, Okla.

FOR SALE—640 acres. Improved. Two miles of Andale, Kans. All or part. \$100 per acre. M. Lill, Mt. Hope, Kans.

## LANDS.

BARGAIN—¼ section of land in Haskell County, Kansas, near new railroad; 5-room house. 1304½ McGee, Kansas City, Mo.

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

960 ACRES Artesian Valley, Meade County, some improvements. 125 acres in cultivation, for sale or rent. P. J. Lee, Meade, Kans.

IF you want to know about Ashley Co., Ark., send 10c in stamps for Hamburg Budget for 3 months. Ad. Budget, Hamburg, Ark.

FOR SALE—Good farm, worth \$5,000 must sell, \$1,000 cash, \$2,500 time buys. For particulars write T. L. Turner, Cheyenne, Okla.

DESIRABLE farms at improvement cost. Productive, warm, healthy. Purchaser's price. Long time. Description free. Called north. Owner, Box 96, Toledo, Okla.

RANCH FOR SALE. ¼ sec. deeded, 1 sec. leased, 5 sec. applied for; nearly 600 sheep; everything on ranch very cheap. Wm. Keys, Lockney, New Mex.

FOR SALE—A hog and chicken ranch of a fine A. alfalfa, suburban tract in Rice Co. Well improved. A bargain. Address Ranch, Care Mail and Breeze.

\$1,000 CASH, balance easy terms. 174 a. E. Harper Co., Okla. Will consider another \$1,000.00 in trade. Good farm, all tillable, 150 a. in wheat. ¼ to purchaser. Price \$5,000. Address Box 372, Pryor, Okla.

FOR SALE—275 acres wheat land 4 ½ miles west of Holsington, 1 mile south of Boyd. 175 acres in cultivation, 10 acres alfalfa, well improved, all fenced. Price \$15,000. W. O. Smith, owner, Olmitz, Kan.

WRITE for new illustrated catalog of New York state farms located in St. Lawrence county, the leading dairy county of the United States. Russell, Real Estate, Ogdensburg, N. Y.

IRRIGATED LAND—\$45 and \$50 an acre. Eight year payments. Perpetual water rights. Big crops each year. County seat. Literature approved by state officials. Write us now. Wyoming Development Co., Wheatland, Wyo.

CANADA LAND. Write for our 32 page booklet containing 63 photographic views, and statistical and detailed information about our lands in east central Saskatchewan. It's free. The Walsh Land Co., Winnipeg, Canada.

ADVERTISE YOUR PROPERTY in Kansas Weekly Capital for quick and sure results. 200,000 circulation guaranteed—among best farmers in Kansas. Advertising rate only 40c per line of seven words. Address Kansas Weekly Capital, Adv. Dept., Topeka, Kan.

GOVERNMENT FARMS FREE. Our 112-page book "Vacant Government Lands" describes every acre in every county in U. S. How secured free. Latest diagrams and tables. All about free government farms. Official 112-page book. Price, 25c postpaid. Webb Publishing Co., (Sta. K), St. Paul, Minn.

IF WE would give you a 40-acre farm free, along our line of railroad, would you be willing to tell your friends about our land opening? For particulars address Mr. J. B. Clark, Land Commissioner, Live Oak, Perry & Gulf Railroad Company, Box 136, Live Oak, Florida.

VALLEY STOCK FARM, stock and tools included, taken from a list of 1,500 farms for sale in southern New York. Farm 260 acres 6 miles from town of 2,500 population where there is a good high school, milk market and railroad, ¼ mile from district school and creamery. 183 acres tillable sloping and rolling and in high state of cultivation, 75 acres timber, estimated 300,000 ft. hard and soft wood. 12 room house painted in good condition. 7 room tenant house fair condition. Basement barn 62x32, also four other barns 26x36, 30x10, 26x36 and 10x40 granary, hen house and hog house. There is an orchard of one acre of choice fruit, large also will support 50 head of stock. Taxes \$50.00 a year. Included in the price 30 head grade Holsteins, 2 horses, 2 hogs, 20 hens, all hay and straw, and a first class equipment of farming tools. This must be sold before April 15th. Send for our list. Price \$10,000. Terms \$4,000 down. Mintz Farm Agency, Phelps Bank Bldg., Binghamton, N. Y.

## FARM WANTED.

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

FOR SALE OR TRADE for land, two barns, stock, auto, registered stallion and Mammoth Kentucky jack. Write for information. E. H. Billing, Burns, Kan.

WANTED TO LIST—Your farm, city property or merchandise in exchange for Grand Valley fruit lands and homes. Hustling agents co-operate. Harry E. Lunt, Palisade, Colorado.

## FOR EXCHANGE.

WILL TRADE for a limited amount of Independent Harvester stock. S. B. Vaughan, Newton, Kan.

MODERN apartment building in steel district near Pittsburg. Want farm. N. Ruth-erford, owner, Findlay, Ohio.

## FOR SALE.

HOMER PIGEONS, \$1 per pair. Emery Small, Wilson, Kan.

MUST SELL—A job lot of bee supplies. Edgar Likes, Pomona, Kan.

LEAF TOBACCO to chew or smoke, 20 cents pound. True Cutler, Holt, Mo.

CARDS—25 with name in black or gold 20c. Holladay Novelty Co., Villa Grove, Ill.

A CARLOAD of good hedge posts. 10 cts. each. F. O. B. Winfield. Col. Warren Russell, Odessa Farm, Winfield, Kan.

FOR SALE—Three cars good, bright prairie hay. Eight dollars. F. O. B. Rock Island. Wilroods, Ford County, Kan., Elmer Riley.

FOR SALE—20 Horse Power Frick traction engine, also 5 gang plow—Oliver—almost new. Address Doctor, Care Mail and Breeze.

INVESTIGATE YORK kerosene tractors. Built the size you want instead of the size the builders want to sell you. S. B. Vaughan, Agent, Newton, Kansas.

15 HORSE Case engine and Case steel separator, nearly new, with complete up-to-date equipment, in good condition; to trade for land, livestock or small cash payment down. Dr. Wolfe, Mulhall, Okla.

ONE MAN and team in a day can load from 50 to 75 loads of manure or dirt, no hand work, with an Anderson Loader. Something new. Write for circular. Anderson Manufacturing Co., Osage City, Kan.

LUEBBEN (round) BALER in good shape run three seasons, 40 horse, 4 cyl. engine, high class machine in every respect. Cost \$1,300, take \$350, sure bargain. Investigate quickly. Will trade for any kind of young stock. W. A. Grogger, Solomon, Kan.

CIGARS from manufacturer direct, will send you in boxes of 50 by prepaid parcels post, on receipt of cash, and if unsatisfactory refund money. Material and workmanship first class. Mild "60" Havana filler \$1.75 box. Strong "Castelar" Havana filler \$1.75 box. Strong Havana Gems Key West Comb. \$1.25 box. Mild Melrose Key West Comb. \$1.25 box. Scrap cigar of making Havana cigars \$1.00 box. M. H. Shirk, Lincoln, Pa.

FOR SALE—Good livery barn, situated in nice little town, doing a good business. All livery equipment such as carriages, buggies, harness and horses; 3 good jacks; 3 extra good registered stallions, all young; one of the best breeding locations in the state. Just the time of year almost here when the jacks and stallions alone will make from \$20 to \$60 per day. \$2,500 will handle it all, balance long time; or will take some extra good mules. Harvey Beeler, Emmett, Pottawatomie Co., Kansas.

## FOR SALE OR EXCHANGE.

FOR SALE OR TRADE for cattle, mules or mares, 2 good jacks, 4 and 5 years old. Patrick McKiernan, Norwich, Kan.

FOR SALE or Exchange. Best irrigated alfalfa farms; Pecos Valley. Write me your wants. Brown, Dexter, N. M.

\$5,000 TO \$8,000 stock of merchandise, principally men's clothing, balance shoes, furnishings and dry goods, for sale or will trade for farm land. Can adjust size of stock to suit prospect. Address M, Mail and Breeze.

\$3,000 MDS. store bldg., residence to exchange for central Kan. land, Butler Co., Neb., doing good business; will sell stock and building. I have all kinds of trades and land to sell. Write for list. A. W. Loomis, Minneapolis, Kan.

## BUSINESS CHANCES.

FOR SALE—Restaurant with bakery attached on great White Way, 318 East 4th Ave., one of the best business streets in the city, 50,000 population. Restaurant business averages \$300 per month and with Bakery \$650 per month. Established 8 years. The Great White Way having just been completed insures an increase in business. Reason for selling, ill health. Address E. Battershill, 318 E. 4th Ave., Topeka, Kan.

## TYPEWRITERS.

OLIVER VISIBLE TYPEWRITER for sale cheap. Perfect condition and does splendid writing. Could send on trial. Write to Charley Rickart, Route 5, Rosedale, Kan.

## HOME AND MARKET CANNERS.

BEST Home and Market canners. All sizes. Latest methods. Cans and Labels. 1913 prices now ready. Address Royal Canner Company, 67 News Bldg., Chattanooga, Tenn.

## MALE HELP WANTED.

RAILWAY MAIL CLERKS wanted. Examinations everywhere May 3rd. Sample questions free. Franklin Institute, Dept. M 53, Rochester, N. Y.

WANTED—Reliable men in every County to sell nursery stock. Liberal terms. Outfits free. Experience unnecessary. Write F. H. Stannard & Co., Ottawa, Kans.

U. S. GOVERNMENT needs Railway Mail Clerks immediately to handle Parcel Post. \$90.00 month. Examinations everywhere May 3rd. Common education sufficient. Write for list of positions open. Franklin Institute, Dept. M60, Rochester, N. Y.



**MALE HELP WANTED.**

**WANTED**—Railway mail clerks. Examination May 3. Splendid salaries. I conducted gov't exam's. Can help you pass. Trial lesson free. Write Osment, 38, St. Louis.

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

**500 MEN** 20 to 40 years 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.

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

**SALESMEN**—To sell high grade guaranteed groceries at wholesale direct to farmers, ranchmen and all consumers. Earn \$4 to \$10 and up per day. A big chance to get into business for yourself. Save the buyers the retailer's profit. Every customer is a permanent one. Demand constantly increasing. Latest plan. F. M. Hitchcock Hill Co., Chicago.

**YOUNG MAN**, would you accept and wear a fine tailor made suit just for showing it to your friends? Or a Slip-on Raincoat free? Could you use \$5 a day for a little spare time? Perhaps we can offer you a steady job? Write at once and get beautiful samples, styles and this wonderful offer. Banner Tailoring Company, Dept. 192, Chicago.

**HELP WANTED.**

**MEN AND WOMEN WANTED** for government parcels post positions. \$90.00 month. Write for vacancy list. Franklin Institute, Dept. M 53, Rochester, N. Y.

**WOMAN**, moral, do housework in physician's country home, central Kan.; two in family; wages \$3.00 per week. Good home. Send references. Address Dr., care Mail and Breeze.

**MEN AND WOMEN WANTED** for government parcels post and other government positions. \$90.00 month. Annual vacations. Short hours. Thousands of appointments coming. "Pull" unnecessary. Farmers eligible. Write immediately for free list of positions open. Franklin Institute, Dept. M 53, Rochester, N. Y.

**AGENTS WANTED.**

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

**AGENTS** sell rich looking imported 38 by 68 rugs \$1 each. Carter, Tenn., sold 115 in 4 days. Profit \$57. You can do as well. Write for unique selling plan and exclusive territory. Sample rug sent by prepaid parcel post \$1. S. Condon, Importer, Stonington, Maine.

**AGENTS**—\$178 in two weeks, made by Mr. Williams, Illinois, selling the Automatic Jack, Combination 12 tools in one. Used by auto owners, teamsters, liveries, factories, mills, miners, farmers, etc. Easy sales, big profit. Exclusive county rights if you write quick. Automatic Jack Company, Box O, Bloomfield, Indiana.

**AGENTS**—Would you take a steady job where you can make \$30 weekly and chance to work up to district manager with yearly profits of \$3,000 or more. No experience required. My goods are snappy self-sellers that make and hold customers. Need fifty more agents now. If you want to make big money quick, write today. E. M. Davis, B 2, Davis Block, Chicago.

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

**PATENTS.**

**PATENTS** secured. Ideas bring wealth. Prompt service. Personal attention. Harry Patton Co., McGill Bldg., Washington, D. C.

**SEND FOR FREE BOOKLET**, All about Patents and Their Cost. Shepherd & Campbell, Patent Attorneys, 500 C Victor Bldg., Washington, D. C.

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

**PATENTS THAT PAY**. \$561,530 made by clients. Patent book—"What and How to Invent—Proof of Fortunes in Patents" free. 112-page guide. E. E. Vrooman, Pat. Att'y., 855 F St., Wash., D. C.

**MISCELLANEOUS.**

**IMMERSION Doctrine Exploded!** Latest book, 16c. Methodist Pastor, Batesburg, S. C.

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

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

**WHAT BREEDERS ARE DOING**

**FRANK HOWARD,**  
Manager Livestock Department.

**FIELDMEN.**

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

**PUREBRED STOCK SALES.**

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

**Poland China Hogs.**

Apr. 8—Roy Johnston, South Mound, Kan.  
May 27—H. C. Graner, Lancaster, Kan.  
Oct. 21—H. B. Walter, Effingham, Kan.  
Oct. 15—R. B. Davis, Hiawatha, Kan.  
Oct. 29—Walter Hildwein, Fairview, Kan.  
Oct. 30—Merton Williams, Valley Falls, Mo.  
Feb. 10—H. B. Walter, Effingham, Kan.

**Shorthorn Cattle.**

April 22—George Allen & Sons, Lexington, Neb., at South Omaha.

**Aberdeen Angus Cattle.**

April 29—Omaha, Neb., Am. Aberdeen Angus Assn., Chas. Grey, Manager, 817 Exchange Ave., Chicago, Ill.  
May 1—Chicago, Ill., Am. Aberdeen Angus Assn., Chas. Grey, Manager, 817 Exchange Ave., Chicago, Ill.  
May 2—East St. Louis, Ill., Am. Aberdeen Angus Assn., Chas. Grey, Manager, 817 Exchange Ave., Chicago, Ill.  
Oct. 22—W. F. Eckles, Green City, Mo.

**Kansas and Oklahoma.**

**BY A. B. HUNTER.**

Hammond and Buskirk, Newton, Kan., are offering fall yearling sows and gilts by the grand champion Tattarrax, bred for May litters. They are in pig to G. M.'s Tat. Col. by G. M.'s Carl Col. If you want sows that have growth, quality, and the blood that produces the winning type, these fall yearlings will suit you. Don't delay but write them today for full particulars, mentioning Farmers Mail and Breeze.

**Shorthorns in Good Demand.**

H. C. Lookabaugh, Watonga, Okla., has recently sold, to a party in Iowa, seven head of choice Shorthorn heifers and the same week he sold a car load of Shorthorn bulls and heifers to a ranchman near El Paso, Texas. The writer recently paid a visit to Mr. Lookabaugh's and came away feeling more than ever confident that the Pleasant Valley Stock Farm should be known far and wide as headquarters for the best Shorthorns in the entire southwest. A few years ago Mr. Lookabaugh took over several entire Shorthorn herds and when he bought the very tops of several of the best herds to be found his neighbors prophesied dire things for him financially and some of his closest friends whispered that they were

**MISCELLANEOUS.**

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

**WANTED**—Steam traction engine, 16 to 20 horsepower, good condition. J. VanSweringen, Holton, Kan.

**TUITION** may be paid out of earnings after course is completed. Dougherty's Business College, Topeka, Kan.

**ALL MAKES** safety razor blades, machine sharpened, better than new. Single edge blades 25c dozen, double 35c. Mail to Brunt Drug Co., Topeka.

**BAD DEBTS COLLECTED** everywhere on commission. Bank reference given. 24 years in this business, in this city. N. S. Martin & Co., Arkansas City, Kansas.

**PAYING 12c** for hens. Selling fancy apples \$3.00 barrel, choice \$2.50. Seed sweet potatoes one dollar per bushel. Ohio 75. Onions 75. Cope's Sales System, Topeka, Kan.

**\$250.00 PAID** for distributing 2,000 free packages Perfumed Soap Powder in your town. Reliable men or women. No money required. M. B. Ward & Co., 1770 Berteau Ave., Chicago.

**WATCHMAKING**, Engraving. Learn a trade that pays. Students earn while learning; positions secured. Kansas City Watchmaking School, 835 East 12th St., Kansas City, Missouri.

**LOUISIANA** pure sugar cane syrup. Put up at the mill in sealed pails. No glucose or any sulphur dioxide in our syrup. 12 one gallon pails for \$8.00. We pay all the freight. Mary & Tuma, Washington, Louisiana.

**THE DISEASE** that killed so many horses last year. Cause, prevention and cure. Cause will come again. Prepare to meet it. Satisfaction guaranteed. Send 25c for pamphlet to Dr. E. B. Mitchell, Sulphur Springs, Ark.

**LEARN** how to double your egg yield; how to mate and breed for best results; how to produce and market \$100 fowls. Get on the "big money" side of the poultry business. This is not a book-selling scheme. Full information free. Address R. V. Hicks, Dept. L, 801 Jackson-st., Topeka, Kan.

a little fearful of his sanity, but when they now look over the great lot of breeding stock and show cattle he has on hand and meet with Shorthorn breeders and buyers all over the country who come to Lookabaugh's for the best in the Shorthorn breeding stock, they are convinced as is the writer that Mr. Lookabaugh knew exactly what he was doing. Write your wants mentioning Farmers Mail and Breeze.

**Robison's Percherons.**

J. C. Robison, owner of White Water Falls Stock Farm, Towanda, Kansas, and the most extensive importer and breeder of Percheron horses in Kansas sends change of copy for his Percheron ad in this week's issue of Farmers Mail and Breeze. He says that private sales are good. That he had sold 14 head since his sale at Kansas City. Four of these went to Siloam Springs, Ark., and a good Casino stallion colt went to head the purebred herd of E. J. Lamunyon, of Enid, Okla. We recommend Mr. Robison and his Percherons to any of our readers. Look up his ad in this issue and write him your wants.

**Otey's Sale Great Success.**

The Good E. Nuff-Crimson Wonder sale of W. W. Otey & Sons, at Winfield, Kan., March 11, was perhaps the snappiest and certainly one of the best sales held in the southwest this year. A large number of breeders were present from all over Kansas and Oklahoma. The average on bred sows was \$77.50, on bred sows and gilts, \$52, and on all, including the fall boars, \$50. The most of the gilts were April and May farrow. About four-fifths of the entire offering went to breeders from a distance, and all but three or four of the rest to local breeders. It was certainly a great compliment to their great young boar, Good E. Nuff Again King, \$5200, that was only thirty months old when this sale was made. This firm moved its herd from Indiana in the fall of 1911, and now stands with the most progressive breeders of the southwest. Below is a list of representative prices:

5—Arthur A. Patterson, Ellsworth, Kan. \$65.00  
6—W. H. Williamson, Raymond, Kan. 45.00  
8—E. N. Farnham, Hope, Kan. 53.00  
7—Frank Ketcham, Haviland, Kan. 50.00  
9—Claude Pate, Winfield, Kan. 49.00  
3—C. E. Ticer, Oklahoma City, Okla. 81.00  
2—Frank W. Miller, Winfield, Kan. 70.00  
1—F. O. Johnson, Lyons, Kan. 80.00  
21—J. D. Shepherd, Abilene, Kan. 49.00  
19—A. Blank, Oxford, Kan. 50.00  
17—Geo. H. Cole, Winfield, Kan. 51.00  
27—J. R. Jackson, Kanopolis, Kan. 42.00  
18—C. G. Giddens, Winfield, Kan. 44.00  
26—J. U. Howe, Wichita, Kan. 39.00  
11—J. R. Peden, Winfield, Kan. 47.00  
41—Frank Robison, Winfield, Kan. 40.00  
30—W. H. Craig, Winfield, Kan. 40.00  
13—E. E. Blandford, Hayward, Okla. 43.00

**Kansas and Nebraska.**

**BY J. W. JOHNSON**

Col. Carey M. Jones, the well known and popular livestock auctioneer of Chicago, has conducted two big Kansas sales during the past three months. The C. W. Lamer & Co. sale at Salina in December and the C. G. Cochran & Son's sale at Salina last week. Carey M. Jones is one of the most successful auctioneers of the country and makes sales all over the United States and Canada. He is president of the Jones National school of Auctioneering, located at Chicago, which is one of the most successful institutions of the kind in the world. I know of several very prominent auctioneers in my territory that attended this school and at least two of them are in demand all over the country. In this institution they teach voice culture and everything that is necessary to make a high class auctioneer. If you think you have ability along this line and have aspirations to be a successful auctioneer, look up the card in the auctioneer section of Farmers Mail and Breeze and write him. The next term will start in July. Beginners could profit greatly by taking a course in this school. Their instructor in voice culture is said to be the best in the country.

**Saunders & Maggard Jacks.**

Saunders & Maggard, well known to Kansas people as reliable breeders of Mammoth bred, registered jacks are at Snider's livery barn, one block east of the National hotel, Salina, Kan., with 17 head of picked jacks right from Poplar Plains, Ky. They are a dandy lot, with plenty of bone and quality. They will be sold at private sale during the next two weeks and at reasonable prices. They will be glad to mail you their catalog upon request. Saunders & Maggard have been bringing jacks from Poplar Plains to Kansas for the past ten years and they are known to Kansas buyers as reliable and trustworthy men. The writer had the pleasure of talking to Mr. Maggard at Salina last week and is convinced that this offering of jacks at private sale at Salina affords the man in the market for a jack an unusual opportunity to buy the right kind at the right kind of a price. Write Saunders & Maggard, Salina, Kan., care of Snider's livery barn, mentioning Farmers Mail and Breeze, for their catalog and any other information and you will get it by return mail. But better still, go to Salina and call on them and look at their jacks. You will find Mr. Maggard a fine man and if you are at all interested you better do this.

**Lamer's Percheron Sale.**

C. W. Lamer's big sale of imported and home grown Percheron stallions and mares at his sale barn in Salina, Kan., last Thursday was well attended and was one of the big Percheron sales of the season. The average on mares was \$316.50, on stallions \$955.50 and the general average was \$641. The day was ideal and the attendance one of the best of the season. W. C. Curphy, with the assistance of Col. Crews of Topeka, conducted the sale. Mr. Lamer has rented his big building to the Rumley people, who are putting in a branch house in Salina and the building will be remodeled and put in condition for them at once. Mr. Lamer will build on his fine farm near Salina, during the summer, a model horse barn, where his business will be conducted in the future. There are very few importers and breeders in the west who have succeeded in building up the business that Mr. Lamer has built up during the last few years. His moving his business to his farm only means the opportunity for a larger and better business. Below is a list of the principal buyers:

1—L. J. Work, Carmen, Okla. \$400.00  
2—Ed. Crews, Lorraine, Kan. 280.00  
4—Fred Haut, Salina, Kan. 290.00  
7—O. D. McPherson, Topeka, Kan. 400.00  
8—L. J. Work, Carmen, Okla. 400.00  
11—E. S. Sloane, Fargo, Okla. 675.00  
17—Julius Shucky, Mound Ridge, Kan. 350.00  
19—O. L. Thiesler, Chapman, Kan. 365.00  
21—E. S. Sloane, Fargo, Okla. 675.00  
31—Will Hanson, Salina, Kan. 635.00  
32—Jacob Roman, Jiatne, Kan. 1850.00  
23—S. A. Hall, Gage, Okla. 1650.00  
36—H. H. McVey, Plevna, Kan. 1000.00  
42—W. P. Brassfield, Glasco, Kan. 900.00  
43—Will Myers, Beloit, Kan. 440.00  
49—Jacob Belzer, Inman, Kan. 165.00

**Cochran's Shorthorn Sale.**

C. G. Cochran & Sons, Plainville, Kan., held their sale of Shorthorn cattle in Lamer's sale barn, Salina, Kan., last Friday. The sale had been well advertised and there was a big attendance of breeders from all over central Kansas. But the attendance would have been much larger had it not been for the blizzard which was raging all that day and most of the night before. The offering was all that it had been advertised and was in excellent breeding condition. As has been stated in this paper it was a draft from one of the largest and strongest herds of Shorthorn cattle in the west. The Cochrans knew better than anyone else the valuable animals that they had selected for this sale and while they were not getting enough for their offering and would have been very glad to have had it back on their big ranch in Rooks county, 66 head sold for \$9,765. The average was \$147.90. The cows averaged \$157. The bulls, which were all young fellows averaged \$140. The top was \$300 and was paid by L. M. Noffsinger, Osborne, Kan., for lot 16 which was a very fine four-year-old cow. Below is a list of the principal buyers:

1—Neeland Bros., St. John, Kan. \$155.00  
3—John Nelson, Ada, Kan. 185.00  
4—Joseph McCauslin, Beloit, Kan. 110.00  
6—Richard Roenick, Morganville, Kan. 175.00  
7—Wm. Solomon, Zurich, Kan. 150.00  
9—Gus Hogland, Lindsborg, Kan. 155.00  
10—M. Collier, Nowata, Okla. 125.00  
11—Lindquist Bros., Lindsborg, Kan. 120.00  
13—M. S. Converse, Peabody, Kan. 220.00  
14—W. H. Bair, Ransom, Kan. 180.00  
16—L. M. Noffsinger, Osborne, Kan. 300.00  
17—C. A. Cowan, Athol, Kan. 295.00  
27—John Gustafson, Lindsborg, Kan. 145.00  
35—L. C. Merryfield, Minneapolis, Kan. 145.00  
41—E. G. Hagland, Lindsborg, Kan. 155.00  
43—J. A. Spellman, Gypsum, Kan. 110.00  
51—G. O. Stein, Gypsum, Kan. 140.00  
61—F. C. Merryfield, Minneapolis, Kan. 175.00

**Kansas, Missouri and Iowa.**

**BY C. H. WALKER.**

W. F. Eckles, the enterprising Aberdeen Angus breeder at Green City, Mo., announces October 22 as the date for his annual sale for this year. Last fall Mr. Eckles held one of the best Angus sales of the season, and breeders will be expecting a strictly high-class offering, in keeping with Mr. Eckles' reputation, in the coming October sale.

**Graner's Bred Sow Sale.**

H. C. Graner of Lancaster, Kan., whose big type Poland China herd is known among the best in the state, is preparing to hold a public sale of bred sows on May 27. This sale should be of special interest at this time on account of the big shortage and the few opportunities offered those in the market to secure good breeding stock. Full particulars of this sale will be given in these columns in due time.

**Scott's Jacks.**

G. M. Scott of Rea, Mo., has in his barns a great array of jacks and extends a cordial invitation for all those in the market to visit his barns. He says: "If you want the good kind, come to one of the oldest breeding barns in the state, where you will find the large, big boned, black fellows that will do your country good and at prices you can afford." Write him for prices and particulars and make the trip.

**Dean's Mastodon Poland Chinas.**

Breeders and farmers who are in the market for choice bred sows—the Mastodon kind—write or call on Clarence Dean of

**Farmers Mail and Breeze Pays Advertisers.**

Farmers Mail and Breeze, Topeka, Kan. Gentlemen—That reader you gave us sure started things this way. We received orders for four gilts and inquiries for seven more in one mail. Yours very truly,

F. S. COWLES,  
Breeder of Poland China Hogs.  
Lawrence, Kan., Feb. 28, 1913.

Farmers Mail and Breeze, Topeka, Kan. Gentlemen—Kindly stop my ad in your paper at the end of the first quarter. I have so much to do can't keep up with my correspondence. Have received many inquiries from the ads. Yours truly,

J. T. CARLTON,  
Real Estate Dealer.  
DeQueen, Ark., March 3, 1913.

Every week for years Farmers Mail and Breeze has printed voluntary letters from its advertisers and different letters are printed every week.



Weston, Mo. Mr. Dean is offering bred sows now, sired by and bred to his great trio of herd headers, that will please the most critical. They are the big type Polands bred that way for generations, fed right, with the heaviest of bone and the kind that farrow big litters. Write him your wants and kindly mention this paper.

#### Poland China Fall Pigs.

Joe Schneider, of Nortonville, Kansas, sends change of copy for his Poland China ad for this week's issue of Farmers Mail and Breeze. He says that he is having a splendid business, having shipped 5 head in the past two days. One of these went to M. M. Miller, Collinsville, Oklahoma, and two went to the well known Poland China breeder W. A. Davidson, Simpson, Kansas. Mr. Schneider says this takes all of his bred gilts but that he still has a nice line of fall pigs, both sows and gilts, all of breeding age, which he will sell in pairs or trios not akin and at reasonable prices. He reports 75 spring pigs to date and more sows to farrow. We cheerfully recommend Mr. Schneider as being absolutely on the square and his herd of Poland Chinas as being one of the best in the state. Write him your wants and mention Farmers Mail and Breeze.

#### Roan's Jacks Sold Well.

G. C. Roan's reputation for selling high class jacks and jennets, an offering that fully lived up to the pre-auction predictions and a beautiful sunshiny day combined to attract a large crowd to his fourth annual sale held at La Plata, Mo., Monday, March 10, and the result was one of the season's best sales. Because Mr. Roan makes every effort—and succeeds—in selling individuals of merit; because buyers have come to know they can depend on what he tells and sells them, his auction sales are recognized as headquarters for the best of this famous Missouri product. The sale was held in the new pavilion, said to be the largest exclusive jack sale barn in the world, and is a model of its kind. It seats about 400, but was packed to its limit and will undoubtedly prove inadequate for the future at Clover Leaf Valley Farm. It is

#### LIVESTOCK AUCTIONEERS.

Wm. H. Harper, LIVESTOCK AUCTIONEER, GLASCO, KANSAS. Phone for Dates.

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

COL. HOMER BOLES, Randolph, Kan. Livestock and General Auctioneer.

Col. D. F. Perkins, Concordia, Kan. Up-to-date methods in the Auction business. Purebred stock sales and big sales generally. Write for dates.

L. R. BRADY LIVESTOCK AUCTIONEER Manhattan, Kan. Write or wire for dates.

COL. S. B. YOUNG, Osborne, Kan. Livestock Auctioneer. Write for dates.

R. H. DENGATE, Lucas, Kan. LIVESTOCK AUCTIONEER. DATES CLAIMED ARE PROTECTED.

N. S. HOYT, Mankato, Kan. Livestock Auctioneer. Big Horse and other Stock Sales a specialty. Terms reasonable. Special service to breeders.

T. E. GORDON, WATERVILLE, KANS. Livestock and Real Estate Auctioneer. WRITE FOR DATES.

Will Myers, Livestock Auctioneer, Beloit, Kansas. Write or phone for dates. I am located right to give good service.

Col. J. R. LOYD, ATHOL, KANSAS. LIVESTOCK AUCTIONEER. Write for terms and dates, and reference.

Col. N. B. PRICE, Mankato, Kans. LIVESTOCK AUCTIONEER. Phone or write for dates. Bonney K. heads my Duroc-Jersey herd

G. A. DRYBREAD Elk City, Kans. Live stock and farm sales made anywhere. Give me a trial. Satisfaction guaranteed.

C. G. DENNEY GUIDE ROCK, Nebr. Livestock Auctioneer. Pure bred stock sales and big farm sales. Write or phone.

W. B. Carpenter, Live Stock and Real Estate Auctioneer. Also President Missouri Auction School. 14th and Grand Ave., Kansas City, Mo.

John D. Snyder HUTCHINSON, KANSAS. LIVE STOCK AUCTIONEER. Wide acquaintance and practical knowledge of draft horses and pure bred live stock, all breeds.

R. L. HARRIMAN Live Stock Auctioneer BUNCETON, MISSOURI

#### POLAND CHINA.

**A. D. JONES,**

OF DUNLAP, IOWA

has for sale sows and gilts bred to 1,000 lb. boars, and 600 and 800 pound dams. To farrow in March, April, May and June. Strictly Big Type Poland Chinas. I breed for length, bone and quick maturity. Send for price and description.

substantial and has about it an air of permanency suggestive of Mr. Roan's business. The summary shows an average on the jacks of \$488.43 and \$209.50 on the jennets. When it is considered that a large number of both jacks and jennets ranged from colts to 3 years old the average is all the more pleasing. The 10 top jacks averaged \$865 and the 10 top jennets \$334. R. E. Webb of Belmont, Ia., topped the sale on lot one, Clover Leaf Judge, a great 2-year-old, at \$1,300. W. A. Newkirk of Klowa, Kan., paid \$1,250 for Clover Leaf Chief, a half brother to lot one, a year older. Gus Pence & Son, King City, Mo., were liberal bidders and buyers and secured a number of good jacks and jennets. Col. P. M. Gross conducted the sale. Below is a complete list of buyers. R. E. Webb, Belmont, Ia.; W. A. Newkirk, Klowa, Kan.; J. M. Proctor, Braymer, Mo.; Wayne Davis, New Boston, Mo.; W. L. Wheeler, Quincy, Mo.; O. C. Bandell, Bloomfield, Ia.; C. A. Nelson, Nevada, Ia.; Gus Pence & Son, King City, Mo.; W. H. Romjue, Atlanta, Mo.; C. R. Porter, Novelty, Mo.; Fay Thompson, Sioux City, Mo.; D. R. Peffinger, Washington, Ill.; E. A. Gimple, Mankato, Kan.; Thos. McCue, Sterling, Ill.; Wm. Wilkinson, La Plata, Mo.; C. F. Morton, Union, Neb.; J. E. Davis, New Boston, Mo.; DeJenling & Otto, Queen City, Mo.; Stinson Ross, La Plata, Mo.; Emil Gustafson, Ethel, Mo.; Kearn Bros., Alexandria, Mo.; Thos. Moorehead, Lancaster, Mo.; Herman Carr, Brookfield, Mo.; Jas. Johnson, Elmer, Mo.; R. Wainwright, Jackson, Mo.; Wm. Shaugnessy, Rothville, Mo.; John Roan, Ethel, Mo.; Tom Davis, New Boston, Mo.

#### Iowa and Nebraska

BY GEO. W. BERRY.

Under date of March 13, Mr. J. G. Truman, general manager of Truman's Pioneer Stud Farm, Bushnell, Ill., writes: "Our second importation for 1913 left England on the 6th inst. and are due to arrive at Bushnell on the 19th. This shipment is composed entirely of Shire and Percheron stallions, the Shires coming direct from the great London show and the Percheron stallions are the very best that we could purchase in France regardless of price. I am pleased to say that our trade still continues brisk, the inquiries still being for strictly high class horses. We feel safe in saying that the importation now on the way is one of the best and most select lots of horses we have ever shipped. Advice from our Mr. J. H. Truman states that he has a very nice lot of horses ready to leave England so soon as we have the room for them here. Our importation received last month are getting over their long trip and are now in shape to offer for sale. One of the most interesting transactions in Percheron horses this season is the sale to Mr. Samuel Insull, president of the Commonwealth Edison Company, Chicago, of six imported Percheron mares and one imported Percheron colt which, together with one of the mares, is sired by the great horse Intitude that we sold during the International at \$10,000. We question very much if there can be found in America on any one farm three as good Percheron mares as are included in this transaction. They were bought regardless of price and will materially strengthen the Percheron department of Hawthorne Farm. The same gentleman purchased our black and white Hackney pony, Sthoreen Bawn, well known throughout America as one of the greatest and most attractive ponies ever exhibited. It will pay any breeder of purebred Percheron horses to call at Hawthorne Farm and see Intitude and his colts before they decide on mating their choicest mares. We were never stronger in high class Shire, Percheron, Belgian and Hackney stallions than at the present time. We shall be pleased to forward our 1913 catalog to any of your readers interested in high class draft horses."

#### Iowa and Illinois.

BY H. W. GRAHAM.

It seemed the weather man could not favor Wm. T. Trotter of Mt. Airy, Iowa, with a favorable day for his Jack sale this year. A blizzard and snow storm February 27, caused a postponement to March 13, when it rained most of the day. In spite of this there was a goodly crowd at the ring-side. The jacks were in good form and fully up to the advertised announcement. Had this sale been held further south the prices would have been much more than was realized. There were buyers there from Kansas, Iowa and Missouri. The average on the jacks was \$661.11 and an average of \$90 was paid for the jennets. The top price paid for jacks was \$1,000, for Jumbo Lad, a 3-year-old, sired by Keno and out of a Brigham Young dam, going to D. J. Hutchins, Sterling, Kan. Mr. Hutchins is one of the largest Jack breeders of that state and has been an extensive buyer of Missouri jacks for his breeding establishment. He also paid the top price for a jennet named this sale. The next three high priced jacks went to Missouri. Col. R. L. Harriman did the selling, and the final result of the sale was satisfactory to Mr. Trotter.—H. W. G.

#### Kansas and Missouri

BY ED. R. DORSEY.

We wish to call the attention of the readers of this paper to the advertisement of the O. I. C. hogs of W. W. Waltemire and Sons of Raymore, Missouri. They are not only breeders but exhibitors of this breed of hogs and Oxford sheep for more than thirty-five years, at all of the leading State fairs, American Royal and World's fairs. They have a few extra nice gilts, by Commodore and the owner says they are good enough to win at the large fairs. They are out of sows that have been winning at such fairs as the Missouri, Nebraska, and Kansas State fairs. They have a very excellent male pig just now old enough for immediate use that they are pricing right.

#### Clydesdales and Percherons.

We have an advertisement from R. O. Miller, owner of the Norwood Farm and importer of Clydesdale and Percheron stallions and mares, and being desirous to know the value of the Missouri Ruralist as an advertising medium in Iowa, we asked him to let us know the results of his ad. On the 6th day of March he wrote as follows: "I promised you that I would write you

#### POLAND CHINAS.

#### ALBRIGHT'S BRED SOWS AND GILTS

20 gilts bred to one of the good sons of Big Tom and Sensation; 8 tried sows bred to Cavett's Mastiff by King Mastiff. One extra good sow bred Oct. 16th.

A. L. ALBRIGHT, WATERVILLE, KAN.

100 SPRING PIGS Sired by King Hadley, King Blain, Jr., King John and Long John 2nd; orders booked for May and June delivery. W. Z. BAKER, Rich Hill, Mo.

#### Schneider's Poland Chinas

Can furnish choice summer and fall pigs, pairs or trios, not akin, by Guy's Expansion and Goldust Hadley. All of breeding age and priced to sell.

JOE SCHNEIDER, Nortonville, Kansas.

#### BIG TYPE POLANDS

Summer and fall pigs both sex, strong in the blood of Big Hadley and A. Wonder. Sows and gilts, the big, smooth kind, bred for early litters. Description guaranteed. Call or write A. R. ENOS, Ramona, Kan.

#### Big Type Poland Chinas

With unusual size and show yard quality. The kind you saw us win with at Topeka and Hutchinson. Don't you want some of them?

R. B. BAIRD, CENTRAL CITY, NEBRASKA

#### 45 BRED SOWS AND GILTS

Poland Chinas, in public sale, Thursday, April 8th. Also a few choice fall boars in same sale or at private sale. Hogs of a higher order but priced within the reach of all.

ROY JOHNSTON, South Mound, Kansas

#### Polands—Barred Rocks

Summer and fall pigs by Referendum and J. C. Metal and out of choice sows. Priced to sell. Also 50 Barred Rock Cockerels.

A. N. Waechter & Son, Riverton, Neb

#### KLEIN'S TABOR VALLEY HERD

Big Type Poland China fall boars and gilts for sale, priced right. Also S. C. Rhode Island Red Cockerels. Eggs 15 for \$1.00 or \$5.00 per 100. Write L. E. KLEIN, Zeandale, Kan.

#### Dean's Mastodon Polands

Poland China hogs, the big-boned type, will weigh when mature 800 to 1,000 lbs. Will sell a few boars of serviceable age, also choice brood sows and gilts, bred to my herd boars, for spring farrow. All

#### 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

#### BROOD SOWS

#### For Sale

Ten tried brood sows, ten fall gilts and ten early spring gilts all safe in pig to Forrest Wonder and Long King. Big Poland Chinas at reasonable price. Will not hold a winter brood sow sale. These are priced to sell. Our herd boars are Designer, Good Medal and Major Look.

C. S. NEVIUS, CHILES, KANSAS.

#### Robinson's Mammoth Poland Chinas!

My herd boars weigh from 800 to 1,025 lbs. Now have for sale, two good tried boars and a few extra good last fall pigs of both sexes. My terms are: If you are not satisfied return the hog and I return your money.

F. P. ROBINSON, Maryville, Mo.

#### MEADOW BROOK BERKSHIRES AT BURLINGTON, KANS.

200 bred sows, all bred to Premier Longfellow, King's 2d Masterpiece, True Type, King's 4th Masterpiece, King's X Masterpiece (the greatest yearling we ever raised), Forrest Count, etc. One hundred open sows and twenty extra nice males. Two extra good herd boars for sale (every one deep in breeding and rich in blood).

E. D. KING, BURLINGTON, KANSAS.

#### ROY JOHNSTON'S 12TH SALE

#### Pure Bred Poland Chinas

Consisting of 40 head of bred sows and gilts and some extra good summer and fall boars. These hogs come from the best of blood lines bred along same line long enough to insure of their producing true to type.

#### MR. HOG BUYER, DO YOU WANT TO BUY

- the best blood, tried and proven by men who are breeders, not guessers?
- hogs that produce from 450 to 550-pound sows and 700 to 800-pound boars, real weight, not height?
- as sow that will farrow and raise from 6 to 12 pigs?
- a boar pig that will make a good big boar, not a runt nor a monster? (It is hard to tell which is the more undesirable.)
- hogs that are free from any kind of disease?
- hogs at your own price? If so, do not fail to come or be represented at this sale at

#### SOUTH MOUND, KAN., APRIL 3RD

It has taken two men 15 years to build this herd; there is nothing of small size or of extreme big size used for we have proven to our satisfaction that they are both failures; these sows will farrow and raise these pigs because they have been bred, fed and handled with this aim in view. These hogs are free from disease because of sanitary pens and conditions, judicious feeding and housing; a strict rule of quarantining all new additions to the herd. And last but not least the absence of any kind of method of vaccination of dropping disease into good, well hogs. No disease here in four years. If you want to find disease go to where it has once gotten a hold then been kept there by a system of constantly shooting it into them by the vaccine methods. There should be a reward for its extermination rather than an appropriation for its use. The catalogue is ready and will be sent to any address for the asking. No postponement on account of weather—sale under cover.

Auctioneers—C. E. Bean, Garnett, Kan.; John D. Snyder, Hutchinson, Kan. Fieldman—Ed R. Dorsey.

Roy Johnston, South Mound, Kan.

#### POLAND CHINAS.

#### POLAND CHINAS

Select young boars. Gilts, bred or open. Prices right. Call or Address H. L. BROOKS, LARNED, KANSAS

#### LARGE WITH PLENTY OF QUALITY.

Handsome young boars, gilts bred or open. Best of large type blood lines. Some boars, herd headers. Satisfaction guaranteed on all breeding stock.

OLIVIER & SONS, DANVILLE, KANSAS.

NEBRASKA TYPE. A fine lot of summer and fall pigs by Hyden's Big Hadley 2nd, Pan Wonder and Neck Chief. Bargains in the best. C. C. Ingram, Bloomington, Neb.

#### HARRY HOAK'S POLAND CHINAS

A few large, Big Type boars, also some good sows and gilts bred for early litters. Fashionable Big Type breeding and priced right to buy. Call or write today.

HARRY HOAK, Attica, Kansas

#### POLAND CHINAS!

Bred sows at private sale. Also fall and spring boars. Sows bred to Tom Lipton, Welcomes, Iron Clad 2d and others. Priced right. Ask for prices and descriptions.

JOSEPH M. BAIER, ELMO, KANSAS.

#### DUROC-JERSEYS.

Duroc March Pigs \$9.00 and up, by Model Again, Long Lad and Tatarax Boy. R. W. Baldwin, Conway, Kan.

#### TATARRAX HERD DUROCS

Fall yearling sows and gilts, by Grand Champion, Tatarax and bred for May litters, to the good sire G. M. Tat Col. Write today for further particulars.

HAMMOND & BUSKIRK, Newton, Kan.

#### Perfection Stock Farm

Nov. boars and gilts, also 80 choice spring pigs, by State Fair grand and reserve champions. Pairs and trios not related. Ship on approval. Prices right. Write your

Geo. M. Glasen, Union City, Okla.

#### BEAVER VALLEY HERD DUROCS

Sept. and Oct. boars and gilts sired by Grand Master Col. 2nd No. 94903; Grand Champion of Oklahoma, both 1911 and 1912; Defender's Col. by Defender and Select Col. by Chief Select, the great show and breeding boar. Satisfaction guaranteed.

W. A. WILLIAMS, Marlow, Okla.

#### Bonnie View Farm

Duroc-Jerseys: Extra fall pigs.

Plymouth Rocks: Eggs in season.

Searle & Cottle, Berryton, Ka.

#### Quivera Place Durocs

A few, choice summer boars and gilts, sired by Quivera 106611.

E. G. MUNSELL, Herington, Kansas.

#### Dreamland Colonel

Stock for sale at all times. Oldest herd of Duroc-Jerseys in Mitchell county. Address LEON CARTER, ASHERVILLE, KANSAS.



**DUROC-JERSEYS.**

**A Fine Offering Bred Sows and Gilts**  
Also open gilts and summer pigs. Best of breeding.  
**R. C. WATSON, ALTOONA, KANSAS.**

**BRED GILTS** I have an exceptionally fine lot of Duroc gilts bred to my prize winning boars for sale, bred right and fed right. Write for prices and description.  
**CHAS. L. TAYLOR, OLEAN, MISSOURI**

**BIG TYPE DUROCS** All kinds for sale. Our customers must be satisfied. We have what you want. Write us. Fall sale Oct 17  
**MOSER & FITZWATER, Goff, Kansas.**

**Royal Scion Farm Durocs**  
Fashionably bred Durocs. Spring and Fall boars and gilts by the great Graduate Col. 28219 and Col. Scion 100471. Out of choice dams. **G. C. NORMAN, Route 10, WINFIELD, KAN.**

**Good E. Nuff Again King 35203**  
Heads our great herd. Sale average: March 11, sows, \$77.50, sows and gilts, \$52.00. Write for prices.  
**W. W. OTEY & SONS, Winfield, Kansas**

**HILSIDE DUROCS**  
Select young boars and fall gilts. A few good yearlings, sows and gilts, bred or open. Priced for quick sale.  
**W. A. WOOD & SON, Elmdale, Kansas.**

**College Hill Durocs**  
Bred sows and gilts for spring farrow for sale. Popular breeding. Farm adjoins agricultural college. Prices right.  
**W. W. BALES & SONS, MANHATTAN, KAN.**

**FALL BOARS BY DREXEL'S PRIDE**  
the sire of my show hogs. Spring pigs by him and Queen's Wonder 112317, a sensational Crimson Wonder Again yearling. All choice and priced right.  
**W. T. HUTCHISON, CLEVELAND, MO.**

**DUROC-JERSEY BOARS**  
10 head of well bred Duroc-Jersey boar pigs, healthy with good backs, feet, head and ears, dark cherry color, of popular breeding and priced reasonable, F. O. B. your station if wanted.  
**ARTHUR A. PATTERSON, Ellsworth, Kan.**

**Bancroft's Durocs**  
We hold no public sales. Nothing but the best offered as breeding stock. Tried sows and fall yearlings bred. Spring gilts bred or open. Fall pigs, either sex. Pairs or trios not akin. Prices right. Customers in 6 states satisfied. Describe what you want. We have it.  
**D. O. BANCROFT, OSBORNE, KANSAS.**

**BERKSHIRES.**

**LEON A. WAIT'S Berkshires**  
A good herd at Winfield, Kan., headed by Lord Duke 3d, 182802.

**Hazlewood's Berkshires!**  
Choice spring boars and gilts priced to sell. Write today.  
**W. O. HAZLEWOOD, R. 8, Wichita, Kansas**

**GOOD SOWS BRED**  
to champions and grand champions. I also have some splendid fall pigs that I will sell single or in pairs no kin.  
**C. G. NASH, Eskridge, Kan.**

**BERKSHIRES, SHORT-HORNS and JERSEYS**  
FOR SALE—25 boars by Robinhood Premier 2nd or Rival's Lord Premier, and out of sows representing such sires as Imported Bazon Compton, Berryton Duke and Premier Longfellow. Also a choice Shorthorn bull calf by Silk Goods and out of a show cow.  
**W. J. GRIST, :: OZAWKIE, KANSAS**

**O. I. C. SWINE.**

**O.I.C. Pigs** Pair, \$25.00. Harry Haynes, Meriden, Kansas

**GOOKIN'S O. I. C. HOGS.** Booking orders for different boars, out of sows not akin. Priced to sell.  
**F. C. GOOKIN, RUSSELL, KANSAS.**

**CHESTER WHITE HOGS**  
Good quality, either sex, the short nose kind. Write for prices.  
**FRANK PROCHASKA, Glasco, Kans.**

**STAR HERD O. I. C's.**  
Breeding stock of various ages, either sex. Best breeding, sent in this herd. Write your wants.  
**ANDREW KOSAR, GLASCO, KANSAS.**

**O. I. Cs., Oxford Down Sheep, BARRED ROCKS**  
2 good boar pigs, large enough for service of the big boned, growthy kind. Also a few extra good gilts, bred to Commodore and out of Climax, one of "The kind that wins."  
**W. W. WALTHAM & SONS, Peculiar, Missouri**

**O. I. C. 125 HEAD HOGS** Bred Sows and Service Boars  
**W. H. LYNCH, Reading, Kansas.**

**Neef's Cholera Immune O. I. C's.**  
Pure bred sows and S. C. R. I. Red. Hogs all ages for sale reasonable prices. Special on sows and gilts bred for spring farrow. Have choice lot Reid's Yellow Dent, Boone Co. White and Carter's seed corn at \$2.00 per bu. shelled and \$3.00 in ear. Recleaned Texas Red Rust Proof seed oats and seed rye. Some fancy S. C. R. I. Red cockerels at \$1.00 and \$2.00 each. Eggs for setting \$1.00 per 15. \$4.00 per 100.  
**Riverside Farms, J. H. NEEF, Boonville, Mo.**

and let you know how I was getting along I have sold everything I have in the mare line and all my coming two-year-olds and three-year-old stallions, but I have the son of Baron Alister, one of the greatest sons of Baron's Pride and a son of old McQueen also one son of Two-In-One, an international champion. I will take \$700.00 for either one of them. All coming four years old. Mr. Miller is a thorough horse man and perfectly reliable. This and right prices is the reason he is doing the horse business that he is. We hope more of our customers will patronize him, because he will give you a dollar in value for every dollar you place with him. If interested address him at Lucas, Iowa.—E. R. D.

**Lavelock's Hampshires.**

T. W. Lavelock, Princeton, Kan., who owns one of the largest and best herds of Hampshires in the state, has nothing for sale at present, but he soon will have 30 sows to farrow and he is now booking orders, to be shipped in May and June. At our recent visit we found a great lot of big, prolific sows of excellent markings and of the very best breeding known to this breed. At the head of the herd are the four great, big, massive hogs that look like cattle for size: Widow's Model 4781, Joe Bowers 10995, Duke of Hanley 11647 and Kansas Model 11583. With these massive sires and the big matured sows the owner expects to raise 250 pigs or more for this season's trade. Since the Hampshires have crowded their way to the front and have to be reckoned with the other four standard breeds they are becoming very popular. The sales the last two years have averaged as high in price as any other breed. Mr. Lavelock is a careful caretaker, is his own herdsman, does his own breeding and uses his own judgment in the mating and the combination is not only a winner with Hampshires but of any other breed or business.

**Johnston's Poland China Sale.**

Roy Johnston of Southmound, Kansas, will have a much larger variety of breeding for his Poland China sale, April 3rd, than ever before. Besides his own five herd boars that are so well known to the readers of this paper he will sell about twelve extra nice bred sows that will bring pigs by four outside males and all of the extreme Iowa and Nebraska breeding. Mr. Johnston bought these sows bred in order to give his regular customers some entirely new blood, not that he has made any improvement over what he has been selling but for the reason assigned. No other sale will be pulled off this spring representing so many families or blood lines that are so popular in Missouri, Kansas, Iowa, Nebraska and Oklahoma. This breeder is as well known throughout the United States as any breeder of Poland Chinas. While Mr. Johnston has only been in the business six or seven years he has attained a reputation equalled by only a few. He offers for sale only the very best individuals of the most popular and up-to-date breeding and not only this but every customer is a booster for Johnston, because he sells everything as represented and the general public knows this to be true. He has a quiet way of letting his friends and customers tell the value of his herd and what he is doing. This is the time of the year to have pigs farrowed in order to save all of the pigs; an April or May pig will grow to be much larger than a January or February pig that has had to face storms and not had the advantage of grass and sunshine. Mr. Johnston has bred most of these sows to farrow soon after his sale date, April 3rd. Write for his catalog and mention Farmers Mail and Breeze.

**Drybread Has Good Sale.**

Samuel Drybread & Sons of Elk City, Kan., owners of the noted Star Breeding Farm and breeders of Duroc-Jersey hogs and Hereford cattle, had a good sale of Duroc-Jersey hogs, making an average of \$50. This is extra good when conditions are considered. Most of the buying in this sale was done by mail bids and by breeders from a distance. The crop this year in southeast Kansas is poor and all of these sales are short on local support. Col. Reppert, Sheets and Clay did the selling. J. W. Johnson of Waldron, Kan., was a very liberal buyer and topped the sale on Mrs. Mitchell's Choice 2d 282356 at \$130. Marshall Bros. of Burden, Kan., were also liberal supporters and bought No. 3, Mrs. Mitchell's Choice L.n. for \$107. These were the only sows that sold for more than \$100. The bidding was spirited from start to finish as it generally is at Sam Drybread's sale with Col. Reppert on the block and Col. Sheets in the ring. Following is a list of the buyers: J. W. Johnson, Waldron, Kan.; Ed Molton, Neodesha, Kan.; Marshall Bros., Burden, Kan.; J. E. Reed, Lyons, Kan.; Reigen Bros., Petersburg, Ill.; H. B. Guyman, Windsor, Kan.; Jesse Bray, Neodesha, Kan.; W. Barrett, Elk City, Kan.; Wm. Warner & Sons, Harris, Kan.; Robert Coffett, Neodesha, Kan.; E. A. Start, Elk City, Kan.; Robert Watson, Altamont, Kan.; E. E. Blamford, Hayward, Okla.; C. L. Frieser, Oklahoma City, Okla.; D. M. Richards, Hollis, Okla.; W. A. James, Elk City, Kan.; G. L. Boyle, Thayer, Kan.; Par Knapp, Oxford, Kan.; J. H. Johnson, Waldron, Kan.; C. T. Miner, Selma, Kan.; W. J. Bookter, Coffeyville, Kan.; A. E. Trunk; Chas. Rogers, Petersburg, Ill.; J. R. Haney, Chickasha, Okla.; W. C. Witney, Agra, Kan.; F. M. Wheeler, Altamont, Kan.; Lewis McCullough, Kincaid, Kan.; J. D. Shephard, Abilene, Kan.

**Editorial News Notes.**

The Ross Bros. Seed Co. of Wichita, Kansas, are putting out a nice, illustrated catalogue this season. The Ross Bros. Company is one of the leaders in its line in this state. If you contemplate purchasing seeds, garden implements or poultry supplies this spring you should not fail to write for copy of their catalogue. See their ad on page — of this week's issue.

The farmers of this country who are contemplating the purchasing or building of silos will be interested to note that the courts have recently sustained the Harter patents, under which many of the silos manufactured in the United States are made. These cases have been pending for some time in the United States, and on several previous occasions, the courts, including the Court of Appeals of the Third Circuit, have sustained the patents, and this final decision would seem to settle the matter insofar as stave silo construction with continuous

**Lookabaugh's SHORTHORNS**  
Sold on Time at Private Treaty



On six or nine months' time. Yes, the early bird catches the worm. I mean it. If you can make a good note, write. I want to do an honest business with honest people. I want to scatter pure Scotch Shorthorns of the best breeding to be found in the Shorthorn herd books all over Oklahoma, and we have been doing it, too. Our sales for one week, the last week in January, 1913, were \$2655.00. I have just got started. I want you to realize that I am chuck full of business. I don't need the money. I have Shorthorns of all ages, priced from \$50 apiece up to \$500 and \$1,000. They are cheap at our prices. Why? Because the purchasers say so, by buying. Not one man has come this fall that did not buy. I want to please you. Give me a chance. A satisfied customer is a pleasure and a living advertisement. I cannot afford to treat you wrong. I am anxious for each little herd that I sell to make good. Why? Because I want to build my business on a solid foundation. That's why! Let me help you select a few to start with. They make money while you sleep and in five years, if you sleep that long, you will be awakened by the cry of "high-priced livestock." Big boned Poland China hogs and home-grown alfalfa seed in any quantities up to one carload. Mail orders guaranteed to suit, or animal may be returned if cared for properly and money will be refunded. Visitors always welcome at Pleasant Valley Stock Farm. Write your wants today. Address

**H. C. LOOKABAUGH, Watonga, Okla.**

**Registered GALLOWAY CATTLE**

We Breed Market Toppers." **JAS. & W. R. CLELLAND, New Hampton, Mo.**

**MULE FOOT HOGS.**

**Mule Foot Hogs** More premiums won in 1912, than any herd in the U. S. Bred sows, some extra spring farrow boars and pigs in pairs not related. Pedigrees furnished. **ZENE G. HADLEY, R. F. D. 5, WILMINGTON, OHIO.**

**MULE-FOOTED HOGS.**

The coming hogs of America; hardy; resist disease; the best rustlers known; pigs ten to sixteen weeks old, \$30 pair. Circular free. **DR. W. J. CONNER, Labette, Kan.**

**HAMPSHIRE.**

**WRITE J. F. PRICE, Medora, Kans.**  
For prices on Pedigreed Hampshire Hogs

**PURE BRED HAMPSHIRE**  
Breeding stock all sold. Booking orders for spring pigs.  
**ALVIN LONG, Lyons, Kansas**

**Pedigreed Hampshires**

of various ages, not a kin. Four boars, 8 months old.  
**C. E. LOWRY, Sumner County, OXFORD, KANSAS.**

**Hampshires All Sold**

I have sold every sow that we can spare. Am booking orders for May and June delivery. Low prices. First orders get March pigs.  
**T. W. LAVEROCK, PRINCETON, KANSAS.**

**GALLOWAYS.**

**G. E. CLARK, W. W. DUNHAM, CAPITAL VIEW GALLOWAYS.**  
12 Miles West of Topeka.  
Can furnish car of good bulls ranging in ages from calves to 2-yr.-olds. Can suit your wants. Write  
**CAPITAL VIEW RANCH, Silver Lake, Kan.**

**Fort Larned Herd**

40 REGISTERED BULLS. 20 GALLOWAYS and 20 RED POLLS. 10 to 20 months old. Priced to sell.  
**E. E. FRIZELL, LARNED, KANSAS**

**We Make Good Cuts!**

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

**ABERDEEN-ANGUS.**

**ANGUS CATTLE**

Bulls and females for sale; singly or in carload lots. Address **SUTTON & PORTEOUS Lawrence, Kan.**

**RIDGE PRAIRIE ABERDEEN ANGUS**

Rutger Heatherson 3d 118104, a choice bred Heatherson, 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.**

**HOLSTEINS.**

**Holstein Bulls**

cows and heifers at farmer's prices. 25 reg. bulls ready for service, as well bred and well grown as money can buy. 25 reg. cows, heifers and heifer calves. 50 high grade cows and heifers. All tuberculin tested and priced to sell. Write or come at once.  
**H. GLISSMAN, Sta. B, OMAHA, NEB.**

**SHORTHORNS.**

**SHORTHORN CATTLE**  
POLAND CHINA SWINE and CLEVELAND BAY HORSES. All stock pedigreed. Prices reasonable. **Thos. B. Murphy & Sons, Corbin, Kan.**

**SHORTHORNS**

8 bulls from 12 to 18 months. Roans and reds. Scotch Tops. Address, **L. M. NOFFSINGER, OSBORNE, KAN.**

**Shorthorn Bargain**

2 cows, 3 and 4 years old, by Pure Scotch bull, dam by Scotland's Charm. Both in calf to best roan son of Ingle Lad. Also 8 months' old heifer calf—all red. Fine condition. Recorded. Price \$250.  
**DIETRICH & SPAULDING, Richmond, Kan.**

**Pearl Herd of Shorthorns**

I have a select bunch of young bulls from six to 20 months old, well bred, well grown and the making of good useful animals. They are both reds and roans. Can ship via C. R. I. & P. A. T. & S. F. U. P. and Mo. Pac. Address

**C. W. TAYLOR**  
**ABILENE : : KANSAS**



## DAIRY CATTLE.

**HOLSTEINS FOR SALE** 50 head registered bulls, 98 head milking and coming fresh grade heifers and cows. M. P. KNUDSEN, Concordia, Kansas

**BANKS' FARM JERSEYS**

Quality with milk and butter records. One of the best sons of CHAMPION FLYING FOX, imported, at head of herd. Stock for sale.

W. N. BANKS, Independence, Kan.

**OAK HILL HOLSTEINS**

Bulls ready for spring service by Shadybrook Gerben Sir Korndyke out of A. R. O. dams. Heifers bred. Also a few fresh cows. All tuberculin tested.

BEN SCHNEIDER, NORTONVILLE, KAN.

**Neosho Breeze Stock Farm**

Offers for sale high grade Guernsey bull calves, 2 to 4 months old, \$15 to \$22.50. Reg. Duroc-Jersey Sept. 4 months old, \$15 and \$20 each. S. C. Buff Leghorn eggs \$1.00 per 15, farm range. John Perenoud, Humboldt, Ks.

**HOLSTEINS - CHOICE BULL CALVES**

H. B. COWLES, TOPEKA, KANSAS.

**LINSCOTT JERSEYS**

Only officially tested herd in Kansas. FOR SALE: A two-year-old Eminent bull, \$125. A two-year-old bred heifer \$125. cows \$150.

R. J. LINSCOTT, HOLTON, KANSAS

**BONNIE BRAE****Holsteins For Sale**

High grade cows, first and second calf heifers, some fresh, others coming fresh right along. Six choice heifer calves, six months old also registered bulls, five to eleven months of age.

IRA ROMIG, Sta. B, TOPEKA, KANSAS.

## RED POLLED CATTLE.

**Foster's Red Polls**

Write for prices on breeding stock.

C. E. FOSTER, R. R. 4, Eldorado, Kansas.

**Angus Bulls For Sale**

M. H. ARNOLD, TORONTO, KANSAS.

**RED POLLED BULLS**

and heifers by Actor 7781 and Launfal 13221. Cows large, plenty quality, represent best milking families. Also large type POLAND CHINAS. Pigs. Write or come.

CHAS. MORRISON & SON, Phillipsburg, 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.

**Prize Winning Polled Durhams**

One yearling bull and several bull calves sired by Roan Choice (Jr. Champion of '11) also a few young cows and heifers. All from the greatest show and prize winning herd in Kansas or the West.

C. J. WOODS, CHILES, KANSAS.

## HEREFORDS.

**Mathews Herefords**

We are offering 20 registered heifers about 11 months old. ANXIETY 4th blood predominates.

FRED MATHEWS & SONS, Kinsley, Kan.

**KLAUS BROS.' HEREFORDS**

A few choice young bulls and heifers for sale, sired by Fulfiller 3rd, Fulfiller 25th and Beau Onward. Our calf crop is the best we ever had.

KLAUS BROTHERS, BEUDENA, KANSAS.

**Star Breeding Farm**

HEREFORDS Headed by Tophon 4th. 90 Bulls, 14 to 30 mos. Single or carloads. Can spare a few females in lots to suit buyer.

DUROCS Of Model Top 7740s. Choice individuals of both sexes for sale at all times.

Sam'l Drybread, Elk City, Kansas

**Modern Herefords****ROBT. H. HAZLETT**

Hazford Place  
Eldorado, Kansas

## JACKS AND JENNETS.

**JACKS AND PERCHERONS**

25 of the biggest and best Mammoth jacks in Kentucky and a few Percheron stallions. Will cut prices from \$100 to \$300 on every one. A big stock of high grade Percheron mares, also Hampshire swine and Big Black pigs. Write your wants and visit the Cloverdale farm.

H. T. BROWN & CO., Lexington, Ky.

**50 Registered, big-boned, black JACKS AND JENNETS**

from colts to 16 hands high; fine body and style, best breeding. A certificate with each animal sold. Jacks, prices and terms right. Nothing better for Oklahoma and Texas as they are acclimated here.

KINGFISHER VALLEY STOCK FARM,

J. H. Smith, Proprietor, Route 3, Box 17, Kingfisher, Oklahoma.

opening reinforced door frame is concerned. A great many of the silo makers have been insisting for some time on the strict enforcement of these patents, and now that this late ruling has been made, they propose to carry the war into Egypt and up to the findings of the court in its recent decision. It has been the custom for some time for the different licensed silo manufacturers acting under these patents to specifically mark all of their silos with a name plate bearing the Harder patent numbers, to insure against infringement suits being brought against their customers, and this they intend to follow more strictly in the future than ever.

Mr. J. B. Thiery, the Piano and Organ man, Milwaukee, Wisconsin, is sending out, free, postpaid, his beautiful, new 1913 Art Style Book of Pianos. This book, without a doubt, is one of the finest books of pianos ever printed and it shows all the new 1913 Thiery pianos in mahogany, walnut and oak colors. Whether you are going to buy a piano for your home right now or later on, it will pay you to send to Mr. Thiery for this book and his special letter with straight-to-you-prices and easy terms of payment. Mr. Thiery is well known to the majority of readers of our paper and many of our subscribers have Thiery Pianos in their homes. The book that Mr. Thiery has just issued, contains scores of testimonials from homes that have purchased direct from him, telling of the satisfaction that will interest any home in the market for a piano. Mr. Thiery is conducting the most successful business of the kind in the country and will ship to you all freight prepaid, any Thiery Piano you choose on thirty days trial and test with no obligation on your part to keep it if you are not more than pleased. If you are not a cash buyer, he will give you from two to three years time to complete payment and arrange the payments at times of the year when it is most convenient for you to make them. His full page advertisement appears in this issue and if you are ever going to buy a piano, it probably will pay you to write to him at once for his style book and special price list.

**Fifth Year For Elkhart Carriage Company.**

This is the fifth year the Elkhart Carriage & Harness Mfg. Company of Elkhart, Indiana, have been manufacturing automobiles. Many of our readers have dealt with this company for a great many years, and if you are interested in cars it will no doubt be to your advantage to write for their catalogue. This catalogue shows photographic views of all their models and gives you the standards by which to value any car. Perhaps you have seen their advertisement in this paper. It appeared in last week's issue of Farmers Mail and Breeze. Mention Mail and Breeze when you write for copy of catalog.

**Getting Insurance At Cost.**

According to statements issued by the Farmers Alliance Insurance Co. of McPherson, Kans., that company has paid out since organization more than \$1,200,000 for farm losses and in the meantime has saved to its policy holders \$1,000,000 in premium money. In other words the members of this company, which is purely mutual, figure that the same amount of insurance if placed with the old line companies would have cost them \$1,000,000 more than it has in the Farmers Alliance—and that they now have just that much left for automobiles, good roads, etc.

**Seed Corn For Corn Growers.**

F. M. Riebel & Son, Arbela, Mo., write that they are better prepared to look after their customers this year than ever. In writing, they say, "we have bred our corn for high yields and show quality." They breed their corn along the most scientific lines. Their record of prize winnings since 1907 show that they have not failed in this respect. They carry in stock, Reid's Yellow Dent and Boone County White. In six years' showing at the State Fair and at Co-lumbia, they have carried off fifteen first ribbons and eleven second prize ribbons besides many sweepstakes. Write for their latest corn folder telling all about their methods.—H. W. G.

**A Farmers' Seed House.**

At La Crosse, Wisconsin, is the center of a rich farming district where the red clover and alfalfa flourish, where the barley and oats return year in and year out bountiful yields, where field peas and seed corn flourish, where the dairyman abundant crops, and where forage plants, like sand vetch, Billion Dollar Grass, hog clover, give yields that gladden the heart of the farmer and fatten his purse. And in this district the John A. Salzer Seed Company have for years grown their famous pedigree seeds, which have found a home upon every wide awake farm throughout the north and central west and everywhere have increased farm yields. This year the Salzers make a great specialty of seed oats, seed corn, seed barley, seed potatoes, field peas, sand vetch and alfalfa clover, all pedigree strains and bred right up to health, quality and big yields, and their 1913 catalogue, which is gladly mailed you upon request, bristles with seed truths. Write them today.

**Feed Crops in West Kansas**

(Continued from Page 6.)

ember than she did in summer on good pasture. One old Jersey cow I had been trying to fatten was put on the patch, with no other feed or water than melons and vines, and was fat enough to sell to a local butcher for beef the first of the year. I sold other stock for beef during December.

The best way to handle this land is to put all the manure on top of it as fast as it accumulates during the winter. Cut the trash with a disk but set it to run straight with your course. As soon as weeds appear kill them with a cultivator. A spring tooth harrow or broad, flat, sharp sweeps are also good. Whatever you do, keep the trash on top.

## JACKS AND JENNETS.

**Jacks and Jennets**

One of the largest selections of large Black Mammoth Jacks in the West, 15 to 16 hands standard. I have the large kind that all are looking for; the kind that bring the large high-class mule. Reference: the five banks of Lawrence.

AL. E. SMITH, LAWRENCE, KANSAS.

**JACK, FOR SALE OR TRADE**

Large, big boned, big feet. Mammoth and a good breeder. Owing to the destruction of my hospital and barn by fire I must sell or trade for team.

DR. E. M. BATES, COFFEYVILLE, KANSAS.

**JACKS AT PRIVATE SALE**

If you want the good kind, come to one of the oldest breeding barns in the state, where you will find the large, big boned, black fellows that will do your country good, at prices you can afford.

G. M. SCOTT, Rea, Mo.

**Mammoth Jacks and Jennets For Sale**

From 2 to 5 years—big boned, black Jacks with white points. 15 to 16 hands high. No better bred ones in the country. All of our Missouri, Illinois and Iowa prize winners for sale. Been breeding jacks for 30 years. Mention this paper and write or come to

DEIERLING & OTTO, QUEEN CITY, MO.

**20 Jacks**

Coming one to seven years. The big, rugged kind. Can sell you tried jacks, show jacks or herd leaders worth the money. Everything guaranteed as represented.

H. T. HINEMAN, Dighton, Kan.

**Jacks for Cash or Trade**

Two Mammoth bred Jacks, 4 and 5 years old. Will sell, worth the money, part terms to right party, or trade for good mares or pure bred or high grade cattle. Address

D. F. McALISTER, Severy, Kansas

**Leavenworth County****Jack Farm**

40 jacks and jennets for sale. 3 to 8 years old. Of good quality, bone and substance. Write for prices or come and see them.

Corson Bros., Potter, Kan.

**Oakland Stock****Farm**

The jacks on this farm are all raised there. This is strictly a breeding farm, and not an assembling place of other people's breeding. Five went out last week, with 25 more still there. We sell the good ones cheaper than anybody, because we raise them. Every jack is guaranteed a breeder. If he is not a breeder he isn't worth thirty cents, and the man who raises him should lose him and not the buyer. Will sell them from \$400.00 up; cash or time.

OAKLAND STOCK FARM, Chillicothe, Mo.

**60 - Bergner & Sons' Coach Horses - 60**

German Coach Stallions at prices you will be able to pay for at one season's stand. Also mares and fillies; all good bone with plenty size, style and action and the best general purpose horse that has ever been imported. The St. Louis Fair Champion Milon 2159 and the Kansas State Fair prize winner Mephistos 4221 at head of herd. We are pricing these horses to sell and guarantee satisfaction. Write today or call soon.

J. C. BERGNER & SONS, Waldoock Ranch, PRATT, KANSAS.

**Percheron, Belgian, Shire and Coach Stallions and Mares**

15 years in the horse business. Never had a law suit, have never sued a man for collection. Each sale is accompanied with a genuine good guarantee from Nolan. Our horses are from one to five years old.

J. M. NOLAN, PAOLA, KANSAS

**They Are So Different!**

All Imported, both PERCHERONS and BELGIANS. Last importation arrived Sept. 1st. The selects of both countries. I buy my own horses. All sound, big, flat boned. Ages, two and three years. Prices reasonable. Perfect guarantee goes with each horse and for two years at that.

W. H. RICHARDS, V. S., (Stables in the City) Emporia, Kansas

**Imported Stallions: Percheron, Shire, Belgian**

Each year we show our New Importation the same Month they land. Each year they win more than all other Exhibitors combined. At the American Royal this year, we won 2nd on 4-year-old Percheron, 1st, 3rd and 4th on 3-year-old, 1st and 3rd on 2-year-old, and 1st and Champion Group of Five Stallions. Our Horses are Handsome and the best to buy; Our Guarantee and Insurance the very best.

PERCHERON IMPORTING CO., Chas. R. Kirk, South St. Joseph, Mo.

## JACKS AND JENNETS.

**JACKS AND JENNETS**

20 head good black jacks for sale, ages from 2 to 5 years; large, heavy-boned, broken to mares and prompt servers. Prices reasonable. Come and see me. Barns 2 miles of town.

PHIL WALKER, Moline, Elk Co., Kan.

**PUREBRED HORSES.**

Good Percheron Stallions, Holstein-Friesian Bulls prices right. H. N. HOLDEMAN, Meade, Kan.

**200 Percherons**

Stallions and Mares For Sale.

Singmaster & Son, Keota, Iowa

**The Best Imported Horses**

One thousand each. Home-bred registered draft stallions—\$250 to \$650 at my stable doors.

A. LATIMER WILSON, CRESTON, IOWA.

**Clydesdale Stallions and Mares**

I have a number of Clyde Stallions, many of them of my own raising, that I will sell at less than 1/4 of the regular importer's prices. R. O. MILLER, LUCAS, IOWA.

**Truman's Pioneer Stud Farm****America's Largest Importers****Shire, Percheron and Belgian Horses**

Write for Illustrated Catalogue.

TRUMAN'S, Box E, BUSHNELL, ILLINOIS

**Percherons--Red Polls**

I will sell several choice Percheron stallions, Blacks and grays, of serviceable age (3 to 6 years), weighing from 1800 to 2200 lbs. and broke to service. Also a fine bunch of choice

**RED POLLED BULLS**

16 to 36 months old, good ones, all fully guaranteed and priced low for next 30 days. Address

GEO. W. SCHWAB, Clay Center, Neb.

**STALLIONS and JACKS**

Percherons and Belgians, also Mammoth Jacks and Jennets. State Fair winners and all at prices that will move them. Write today describing your wants.

C. F. COOPER

R. 4, Box 4, Hutchinson, Kan.

**FOR SALE AT****Riverside Stock Farm****10 Head of Young Registered****STALLIONS**

4 head of Percherons coming 3 years old, weighing from 1650 to 1800 lbs. Any one will make a ton horse. 4 head coming 2 years old; all black, weighing from 1500 to 1600; when matured will weigh from 2000 to 2200. They are the big bone kind. 2 black, registered, 4-year-old Percheron mares. 2 standard bred stallions that weigh 1250 to 1280. 4 head of young Mammoth bred black jacks from 15 to 18½, good, heavy boned and well broke. All these animals will be sold cheap for the quality. Pedigrees and breeding quality guaranteed.

O. L. Thistler & Sons, Chapman, Kan.

150 miles west from Kansas City, Mo., on the main line of the Union Pacific R. R.

150 miles west from Kansas City, Mo., on the main line of the Union Pacific R. R.





## 25 Percheron Stallions

At Greatly Reduced Prices

25 SERVICEABLE AGE STALLIONS AT BARGAIN PRICES FOR THE NEXT 40 DAYS. If you are in the market for a stallion come and see them. We sell you MORE HORSE FOR THE MONEY than any other firm in the United States.

**BISHOP BROS., Box A, Towanda, Kan.**

## Oldenburg German Coach Horses

We are the oldest and largest breeders of the Oldenburg German Coach west of the Mississippi River. Our 1912 winnings at the leading western shows exceeded those of any other individual horse exhibitor. We have stallions and mares of serviceable ages for sale. Write us. **JOS. WEAR & SON, Barnard, Kan.**

## Mammoth Jacks, Percheron Stallions

33 Head of Jacks and Percherons



The Jacks are 3 to 6 years old and from 15 to 16 hands high.

Percherons are from 2 to 6 years old and weigh from 1800 to 2000 lbs.

We have the kind that will please you.

Write for prices before you buy. Farm and sale barn on 21st Street, 1 mile east of Wichita Union Stock Yards. Write today.

**J. C. KERR, Wichita, Kansas**

## ROBISON'S Percherons

For sale now: Twenty-five good young stallions, either imported or American bred. Send for catalog of Farm.

Next sale, May 21. Fifty yearlings and two-year-olds

**J. C. Robison, Towanda, Kan.**



## Percherons and Royal Belgians



4 Black 2-year-olds imported by us in 1912.

We have decided to offer all of our state fair prize winners, 22 stallions and mares for sale. Every one of these horses has been shown and has been a prize winner at the shows of 1912. These stallions and mares will be sold at exceedingly low prices, quality considered.

We are showing some other good stallions and mares, which we offer at prices that defy competition.

We earnestly request you to look over our stallions and mares, before buying.

True photos from life on application. Address

**WOLF BROS.,**

ALBION, Boone Co., NEBR.  
IMPORTERS and BREEDERS

## Stallions and Mares at Bargain Prices

Percherons, Belgians and Shires

95 Head of Stallions and Mares

Forty Percheron Stallions, 2 to 4 years old, blacks, greys and a few bays all registered in the Percheron Society of America. Several of these 2 year olds will now weigh 1,800 to 1,950. Price \$500 to \$1,000. Three, a little higher.

Fifteen Belgian Stallions, 2 to 5 years old, bays and sorrels. Two-year-olds that are weighing a ton. Price, \$500 to \$1,200.

Thirty Percheron Mares 2 to 8 years old; blacks, bays and greys, all registered in the Percheron Society of America. Twenty-two showing heavy in foal. Price, \$300 to \$700.

Ten head Shire Stallions and Mares I will sell at bargain prices. All of these Stallions have been examined and found to be of pure breeding and sound and certificate as such will go with each horse; if you want a real bargain in an imported or American bred Stallion or Mare come right away as I mean business.

**L. R. WILEY, Emporia, Kan.**

## Lamer's Percherons

A choice lot of Stallions and Mares to select from. Owing to this time of season, we are quoting prices that will certainly interest you.

Inquire about them



**C. W. Lamer & Co.**  
**Salina, Kansas**

## Bargains in Jacks



17 head Mammoth bred, registered Jacks, right from Poplar Plains, Kentucky, from 3 to 6 years old with plenty of bone and quality. To be sold at private sale at Snyder's Barn, one block east of National Hotel

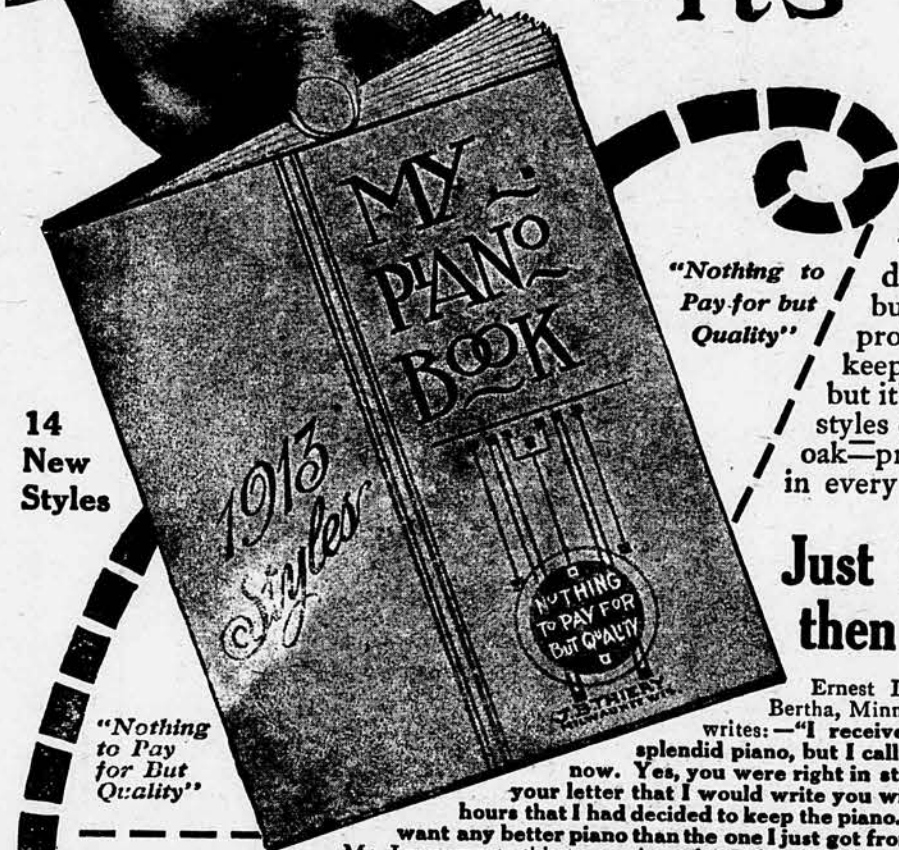
**SALINA, KANSAS**

We bring Jacks to Kansas every year and always keep our old customers. These Jacks must be sold at once. Come quick and get your choice at a bargain.

**SAUNDERS & MAGGARD**



# Write for this Book -it's Yours FREE



14  
New  
Styles

"Nothing  
to Pay  
for But  
Quality"

"Nothing to  
Pay for but  
Quality"

Simply fill out the coupon below and mail to me—I'll send it to you by return mail with special letter, telling you all about my 1913 buying plans and money-saving prices. Remember this—over seven thousand homes sent for Thiery Pianos and Organs on thirty days, freight prepaid trial, during 1912. "Nothing to pay for but quality" when you buy one—no agents—no middlemen—no fancy profits to pay. Get a Thiery Piano in your home and you'll decide to keep it before you've had it a week. You won't even need thirty days trial, but it's yours just the same. My new Style Book shows all the new 1913 styles of Thiery Pianos—shows them in genuine mahogany, walnut and oak—prints full descriptions and testimonial letters from pleased buyers in every state in the Union.

**Just Note Below What Buyers Write Me—  
then Send for My New Style Book and Offers**

Ernest Lange, Bertha, Minnesota, writes:—"I received your splendid piano, but I call it mine now. Yes, you were right in stating in your letter that I would write you within 24 hours that I had decided to keep the piano. I don't want any better piano than the one I just got from you." Mr. Lange wrote this to me three days after he got my piano. When he ordered, I told him that he would not even need the thirty days trial. He found out in twenty-four hours that the Thiery Piano was the most value for the money he ever saw.

Mr. John Nelson, a well known farmer and land owner at Wyndmere, No. Dakota, writes:—"The instrument reached me two days ago and found just as represented. My daughter, a music teacher, declares the tone to be unusually soft and sweet. It took but a short time to learn that the Thiery Piano was just as represented and I enclose draft in full for instrument."

Mr. Nelson sent for the piano Dec. 5th. I shipped piano Dec. 7th. He received it Dec. 17th—and just think—two days after he got the piano, check in full for the instrument was on the way to me, although he had thirty days trial before he was going to send me a cent. That's the kind of proof I furnish you about the quality of my instruments.

Just jot this down—get a Thiery piano in your home and it will be the same with you. You will decide to keep the piano before you have it a week, but you have the thirty days trial just the same. Here's another—read it. Mr. A. Schulz, Cowles, Nebraska, received a Thiery Piano Dec. 27th and Dec. 30th he writes:—"Received piano Dec. 27th and am greatly pleased. I send you today \$50.00 as first payment."

Mr. Schulz sent me this money on the piano twenty-seven days before it was due—three days after he got the piano. That shows the kind of piano quality a home gets in dealing direct with me.

You may be thinking of buying from an agent or dealer. You may figure that you can do just as well from them as you can from me. If you do, just read what Alfred Davidson, Farmington, Illinois, writes:—

"Piano received. My wife says it is the finest piano she ever played. I was thinking of buying a piano here for \$500.00, but I'm glad I didn't. I saved half my money by buying from you."

You can save from \$75.00 to \$200.00 by buying a Thiery Piano direct. I don't stretch things a bit—I give you the proof right here and I will give you all kinds of it when I send you my book and special letter.

Here's more proof from Mr. F. D. McCarney, Churdan, Iowa. "We received the piano style 40, placed it in our parlor and called in one of the best judges of pianos in this part of the country for an honest opinion. After testing same for several hours, she said that the piano I had was the equal and even better than the great majority of \$500.00 pianos around here and we wish to re-affirm her statement. The piano is just as represented."

**30 Days  
Free Trial Freight  
Prepaid**

to prove both the Quality and Saving before you decide one way or another about buying it! Then Ship Back at My Expense if You Wish.

**TWO OR THREE YEARS TIME FOR  
YOU TO COMPLETE PAYMENT**

if you don't prefer to pay cash in 30 or 60 days. Dozens of different payment plans—one of them sure to meet with your convenience. My Special Letter tells all about them.



The above is a small picture of my Art Upright Parlor Piano style 40—a magnificent instrument in genuine San Domingo Mahogany cabinet—Ivory Keys—Copper Overstrung Strings in the Bass—Empire Grand Top—a piano which I'll place aside any \$300.00 piano you can buy in your vicinity. This and all other Thiery Pianos are shown in my Style Book in full-page pictures.

Mr. McCarney saved the price of a cheap piano by buying from me. Not only did he save that amount, but he got a much better piano besides.

And Mrs. M. C. De Keyser, Menasha, Wisconsin, writes and says:—"I received the piano style 30, and it is the most up-to-date piano I ever saw. I never expected so much for my money. I have saved over \$150.00 by buying direct from you."

It's the same story with everybody that gets a Thiery Piano, and you will have exactly the same result if you deal with me. These extracts from letters that I have just printed here are only a few from the hundreds that I have received in the past four months.

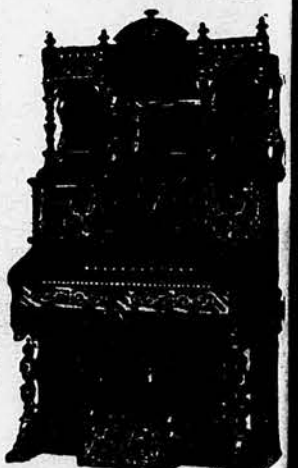
Note this—whatever piano you choose from my book, goes to you on a real free trial, all freight paid and at the end of thirty days, if you are not glad that you sent for it, don't hesitate a second to send it back at my expense. Before you pay a red cent, you prove to your own satisfaction just what you are getting for your money. That's the way to buy a piano. Then besides—if you don't want to pay cash in thirty or sixty days, all the credit you need is yours. Two to three years time to pay me and you can make your payments annually, twice a year, quarterly, monthly and a dozen other different ways.

And another thing—every Thiery Piano is fully warranted as long as you keep it, no matter if it's ten or twenty years. Every Thiery Piano is in genuine mahogany, genuine walnut or the best quality English oak cabinet and the cabinet is doubled veneered both inside and out—all have genuine ivory keys—and cabinets in Art Finish as well as the regular piano finish without extra charge. If you want a \$12.00 bench with music compartment, you can have it instead of an adjustable stool. There is no charge for same and you get a nice scarf and music book besides.

Sign the coupon today and send it to me. The Style Book and my letter will tell you the whole story. If you are a piano buyer, it won't take you very long to make up your mind that I am the man for you to deal with. It won't take you long to see that I give you much more for your money. You will feel like sending for the piano just as soon as you get particulars of my 1913 offers. Send for the book and it will go to you by return mail.

**Do You Want an Organ?**

Thiery Organs are the real "music-makers" of all organs. 12000 sold direct to homes in the last two years. My Style Book of Organs, printed in colors, shows and tells all about them. 30 days trial and test in your own home—ship back at my expense if you are not more than pleased. No money in advance—from one to two years time to pay if you are not a cash buyer. \$2.50 per month and up buys one. Choice of parlor, chapel and piano case styles—at a saving of \$25. to \$50. If you want an organ, send coupon now and receive new Style Book free by return mail. Be sure and mention on coupon whether you want piano or organ book, so I can send you right book.



**J. B. THIERY THE PIANO AND ORGAN MAN Milwaukee, Wis.**

J. B. THIERY, The Piano and Organ Man, Milwaukee, Wis.—Without slightest obligation on my part, please send to me, postpaid, your beautiful New 1913 Style Book, with Special Letter, New Price List and full particulars of your 1913 buying plans and offers, as advertised in Farmers Mail and Breeze.

☐ PIANO STYLE BOOK

☐ ORGAN STYLE BOOK

PLACE AN X-MARK IN SQUARE OPPOSITE BOOK YOU WANT