

# KANSAS FARMER

For the improvement



of the Farm and Home

Volume 50, Number 13.

TOPEKA, KANSAS, MARCH 30, 1912.

Established 1863. \$1 a Year

**N**ATURE contests man's every effort and does not tire.  
Man destroys forests, exterminates savages, harnesses the lightning and curbs the waters; but nature only changes her tactics and assails him with bugs and beasts and burs, and man is always on the firing line.

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—I. D. G.



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## Over the Editor's Table

Just a Bit Personal By The Editor  
For KANSAS FARMER Folks

A Peabody, Kan., subscriber asks for a bunch of KANSAS FARMER's free petitions in opposition to the kind of oleo legislation proposed by the Lever bill, and closes with this remark: "I am glad KANSAS FARMER is standing up for the honest competition of oleo with butter. All the oleo manufacturers want to color oleo for is to get a bigger price and fool the people. Long live KANSAS FARMER. It is the best paper of its kind published." The petitions were sent. Thanks for the kind remark.

KANSAS FARMER has supplied more than 100 readers with a supply of the blank petitions addressed to senators and representatives asking them to support Haugen house bill 21225. In addition every farmers' institute organization and every Grange in Kansas has been supplied. Letters advise that hundreds of petitions have been forwarded and hundreds of personal letters written. This indicates that the farming community is thoroughly aroused in this fight to protect butter against the fraudulent sale of oleo. If you have not done your share in this work, do it now. Kansas congressmen cannot have too much support from their constituents. They need all the backing you can give them.

An Elmont, Kan., subscriber writes: "I feel inspired to write you a personal letter commending your splendid letter to our brother farmers entitled 'Shall Oleo Destroy Your Market?' in KANSAS FARMER of March 16. I personally thank you for coming out and telling the farmers about such legislation as would work a serious detriment to them. I think it is your duty as editor of the best farm paper printed. I am writing my senators and congressmen and having others do the same thing." It pleases me to know that my campaign elicits such expression and action. A great deal of proposed legislation beneficial to the farmer falls by the wayside because farmers do not express themselves. The farm paper usually does its part of the work, but its effort fails unless supported by its subscribers.

A Stockton, Kan., subscriber asks why I do not establish a farm inquiry department. I do not see how that subscriber could fail to note that I am answering a great many farm inquiries, each answered under the department heading to which it applies. Some papers group these inquiries under one heading. Which method to pursue is a matter of choice—I fail to see disadvantages to the reader in either plan.

While writing on this matter I cannot neglect to mention that all farm inquiries are gladly received and gladly answered. A great many are answered direct when stamp is enclosed. Those of general interest, if answered direct, are also printed in these columns. I dote on this department of our service to KANSAS FARMER readers. I do not know of another agricultural paper published in Kansas which has for its editor one who has spent 30 years on a farm doing the very same things you are doing and coming in direct contact with the same vicissitudes as yourself. I was not born with a silver spoon in my mouth and so was not trained to farm under conditions different from those of the most humble farmer. My parents were early settlers in Kansas. I was born in Kansas and have lived my life in Kansas. I have been through the early days, the training of which was well worth while. My father was a good farmer and a successful farmer. His farm training was worth more to me than any other I might have received. I have a practical farm education which the college-trained editor cannot afford to go back and get. I have not spent a day in an agricultural college as a student. My first sight of an agricultural college was when I was asked to leave my dairy herd for a few weeks and go to Manhattan as an instructor in dairy cattle judging during the short course. I did this for several successive years. But, while farming and dairying, my eyes were open, my brain active and absorbing everything possible regarding the best practice of

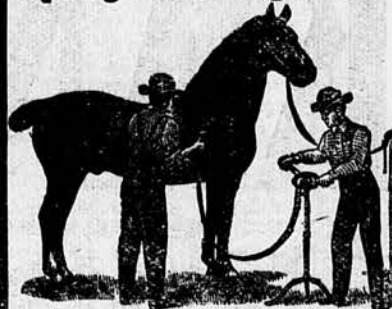
farming and dairying. I wish I were an agricultural college graduate with my 30 years of farm experience—but not having both I would much prefer the 30 years of contact with the dirt, manure, cows, pigs, grasshoppers, hardships, etc. I do not frown on the agricultural college graduate, and would not detract one iota from the important position he occupies in the world. But, choosing the agricultural college education alone, without the practical, give me the practical, with a clear head to read and absorb and think. I make these remarks because I know that the agricultural paper as a class does not carry the prestige it should because too many are edited by fellows who know little or nothing about the actual game of farming. KANSAS FARMER will be as well edited as a farmer-editor can do the job.

A subscriber stops his paper because he has no time to read. Of course, I am sure he stopped it for some other reason, but I am taking him at his word for these remarks. I am sure Kansas farmers are reading more and better today than ever before. There is the same reason for a farmer reading and keeping himself posted on the best practice in his line as there is for the doctor, lawyer or dentist knowing what is going on in his line. That statement stands unchallenged. The developments in farming practice the past few years have been far in advance of the development in other lines. This in itself is evidence that the farmer can well afford to read up on his business. The farmer as a class is recognizing this. Now, no farmer can afford to neglect his reading—reading either for recreation or for instruction. It is easy to combine the two. The farmer, like other men, needs recreation. His body requires it. He owes it to his family to live as long as he can. An hour a day spent in reading will help the body—if not the mind and the farming. If a farmer cannot secure comfort for himself and a competency for his family without denying himself a few moments of relaxation each day, he cannot secure these things by denying himself this recreation. It is just as well to make up your mind now that you will read or relax an hour a day—except possibly during the very busy season—and see how it goes on that basis. If the hour is spent in reading, and you apply an occasional thing read to your work, you may find that you will get along better. If you do not, you can afford to take the hour anyway. There is a lot of hard work about farming—it is just as hard work doing well the job I am on—but farming, like other work, can be eased off considerably if you make up your mind to do it.

I want to say something more about farm inquiries. I am glad to have the inquiries. I am answering them by the dozens. The answer costs the inquirer nothing. If a direct answer is wanted, enclose two-cent stamp with inquiry. If an answer is desired through KANSAS FARMER no stamp is necessary. State your question clearly. Name the conditions under which you operate. You must understand I am totally ignorant of those conditions which have a bearing on your inquiry. In most every case there are certain conditions bearing directly on the inquiry which, if known, would make my answer of ten times greater value to you. If the matter is one of public interest, and the answer is printed in KANSAS FARMER, the reader is entitled to know the circumstances surrounding the inquiry. One of the reasons that so much of the material contained in the agricultural paper is not regarded as practical is because it does not apply to your particular case. In general it is necessary for the editor to write generally, leaving the reader to make his own adaptation. But in answering inquiries it is not satisfactory to the inquirer or myself to speak generally—specific answers should be given when possible. In order to do that it is necessary to have a specific inquiry. This is submitted for your good in case you ever make an inquiry.

*A. Borman*

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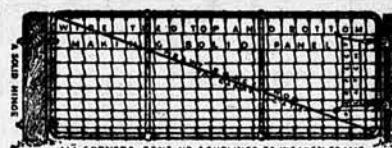
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# KANSAS FARMER

With which is combined FARMER'S ADVOCATE, established 1877.

Published weekly at 625 Jackson St., Topeka, Kan., by THE KANSAS FARMER COMPANY.  
ALBERT T. REID, President. J. R. MULVANE, Treasurer. S. H. PITCHER, Secretary.

T. A. BORMAN, Editor in Chief; I. D. GRAHAM, Live Stock Editor.

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KANSAS FARMER aims to publish only the advertisements of reliable persons or firms, and we guarantee our subscribers against loss due to fraudulent misrepresentation in any advertisement appearing in this issue, provided, that mention was made of KANSAS FARMER when ordering. We do not, however, undertake to settle minor claims or disputes between a subscriber and advertiser, or be responsible in cases of honest bankruptcy of advertiser after advertisement appears.



#### SUCCESS GOOD ROADS TRAIN.

It is doubtful if anything the Agricultural College has done in years has shown such quick results as has the Good Roads Special run last week by that institution in co-operation with the Santa Fe. The train visited 70 or more towns in the eastern half of Kansas and since the train's first stop, the daily papers have been printing telegrams announcing meetings to be held immediately to discuss the questions of which the College lecturers treated. Only the larger towns send in this kind of news, as a rule, so it is fair to assume that many more are feeling the same spirit of inquiry and discussion.

When the Extension Department of the College decided to send out the highway engineer of the state, who is attached to it, it was planned to present facts and figures to the people that would be convincing. W. S. Gearhart, state highway engineer, prepared this data from the tax books in Topeka. The data was absolutely impregnable to attack. And, thus fortified, the train left Topeka Monday morning, March 18. The lecturing staff included J. H. Miller, director of college extension, in charge of the train; W. S. Gearhart, state highway engineer; A. R. Losh, his assistant; H. B. Walker, drainage engineer; H. L. Kent, extension department, and Charles Dillon, editor of the Kansas Industrialist. Mr. Kent and Mr. Dillon talked to the high school pupils, explaining the methods and systems of county and township government. In the other cars Mr. Gearhart and the other speakers gave out, in every county, the amount collected in taxes for roads and bridges for 1910 or 1911, and what would be available in 1912. They told the farmers just how many miles of earth road should be made with this money, what kind of men should be hired and when and how to do the work.

Charts hung in every car showed examples of good and bad road building, and these charts were explained by the lecturers. Probably no train-talks ever were more convincing. Farmers seemed to enjoy them; and the fact that more than 7,800 persons heard them, at the 70 or 75 stops, is pretty fair proof of the interest, especially when the roads everywhere were almost impassable. For a part of the journey, which lasted a week, the train ran through rain or snow storms, but the crowds continued large. Here, in brief, are the main facts used in the good roads lectures, and they are as applicable in Hamilton county as in Greenwood:

Without charging anyone with improper conduct, it is safe to say that the people of Kansas are not getting the most for their money in road and bridge building.

Funds, in many cases, are spent or scattered to please anyone; there are too many pulls. Bridge contracts are not let wisely; people do not give enough attention to electing men for trustees or highway commissioners who know something about the work they are to do; too many of these commissioners or trustees appoint overseers because they (the overseers) are good fellows, or because of some political reason, or because they are too old to do anything else.

Commissioners in some cases hire too many overseers. One instance was discovered in which seven had been hired, and not one of the lot understood his business. In some cases, too, second-hand bridge material has been repainted and sold to ignorant or careless commissioners or county boards. Work is done at the wrong time and done wrong.

Every county in the state should get busy and investigate its financial situation in this respect. It should have meetings, and question the proper officials as to what is to be done in the matter of roads. It should see to it that grading is done properly. Stakes should be set; the lines should be straight; roads should not be so wide as many

now are. Many counties grade the road from fence to fence—60 feet in many places—and not only waste money, but have no road when they are done. A 16-foot crown is wide enough for any road, and 30 feet from center of ditch to center of ditch is covering enough ground. The banks should not be cut straight up. They should slope backward, and the grass and weeds should be cut in April and burned. Don't scrape the trash into the center or crown and then put logs in the wagon tracks to make teams go up and work it down. Burn the trash. Have telephone poles on the fence lines. Have both fence and poles far enough back from the road ditches to prevent falling in.

You can grade a good earth road for \$35 a mile, and an outfit having a traction engine and two graders should grade a mile in two days, although better time has been made. Of course, if you have a lot of rock work to do, this price will be exceeded. Get out right after every rain and drag the road. Don't go when the mud sticks to the drag. Hitch so that you drag toward the top of the crown, but don't weight the drag so that you take up too much earth in front of it. Use a light drag and ride on it. Don't walk alongside. If the road is all cut up when you take it, you might use a disk harrow to cut the clods, and then roll it with a heavy roller. A puddled top is wanted on the crown which, in two or three years, will be hard as pavement, almost, and shed a pretty heavy rain.

Every county is urged to use the engineers in the highway department of the College at Manhattan. Don't forget that these men are paid to help out and that all you have to do is to pay their traveling expenses and board and lodging. The state does not pay this part of the expenses.

Kansas has 98,300 miles of roads. Only 180 miles of all this is improved with macadam, gravel, brick or clay or oil. It has too many cheap, rattle-trap iron bridges and poorly built culverts of metal. The college is recommending concrete bridges and culverts everywhere as a matter of safety and of economy. It is not attacking anyone's product, but it is urging the people to do things that will save the people's money. That is what the college people believe they are paid to do. It showed on this trip, too, just how to handle drainage problems, straighten out crooked creeks and streams that are overflowing and ruining thousands of acres that should be under constant cultivation.

#### THE OLEO SITUATION.

KANSAS FARMER readers will be expecting something in this issue regarding oleomargarine legislation now pending. That Kansas farmers are interested is shown by the hundreds of requests we have received for free blank petitions. Also, by their letters telling of the circulation of petitions and the eagerness of farmers, country merchants and laborers to sign these petitions when the oleo situation is explained.

The tenor of every expression received is that oleo must be made to work its way under its own flag and not usurp the flag of butter. That is the slogan of the producer, as well as of the consumer. Butter needs no recommendation to sell. The assurance that it is butter is all the consumer wants. That is all the producer needs. If oleo has a desire to be fair, why does it want to usurp the color of butter, when that color is foreign to the ingredients which make oleo? Oleo has no desire to be fair in its competition with butter. That is the reason for this agitation.

It is believed by those who are looking after this legislation that the oleomargarine manufacturers' bill, the Lever bill, will be defeated. The Haugen bill is gaining support daily. Last week when the merits of the two bills were discussed before the agricultural com-

mittee, the friends of butter are believed to have struck telling blows. The Farmers' Grange made an especially strong showing. The Grangers were there in force from Maine, Vermont, New York, Pennsylvania, Indiana and Ohio. The Grange representatives were very largely instrumental in turning the attention of Congressmen in general to the farmers' demand. We have no word indicating that the fight is won, but we have made headway against an early, effective campaign waged by the oleo manufacturers.

As to the Kansas delegation in Congress, we believe that when the question comes to a vote every man will vote with and for butter. Here is a resume of the replies KANSAS FARMER has from each Kansas member:

Senator Curtis: "I supported the Grout bill, which protected the producers of butter. The measure that will best protect consumers and dealers in dairy products and substitutes therefor against fraud, will have my support."

Senator Bristow: "I have your telegram of the 6th instant. The bill you refer to (H. R. 19338) has never been brought to my attention until I received your wire, therefore I have given it no consideration."

Representative Anthony: "Not being familiar with the exact provisions of the bill (Haugen bill) am unable to advise at this time whether it would receive my support; it would depend upon the wording of the bill and upon having the opportunity to inquire into all the facts."

Representative Taggart has not answered either of two KANSAS FARMER telegrams. His secretary says the Representative is not in Washington, but will reply upon his return.

Representative Campbell: "I am in favor of the Haugen bill and against the Lever bill, and will do everything I can to bring about the passage of the former bill."

Representative Young: "Have always favored any reasonable measure that benefits our dairy interests."

Representative Neeley: "I have no objection to oleo being sold for what it is, but object to its being sold for what it is not, and propose to stay with the dairy cow to bitter end."

Representative Jackson: "I am in favor of the Haugen bill and opposed to the Lever bill."

Representative Rees: "I think the Haugen bill the safer measure."

Representative Murdock has not answered KANSAS FARMER's telegrams of March 8 and 14.

Any reader of KANSAS FARMER who has not yet written his Congressman should so do at once. The more support a Congressman has from his constituents the harder he can fight for them.

The federal department of agriculture estimates that there was, in the granaries of Kansas, March 1, 15 per cent of the wheat crop raised last year, or between 7 and 8 million bushels. These figures are compared with 12 million bushels for March 1, 1911, and 15 million bushels in 1910. The department estimates that March 1, this year, there was 26 per cent of last year's corn crop in the Kansas granaries, or 32 million bushels, as compared with 71 millions in 1911, and 54 millions in 1910. The department estimates there was 28 per cent of the 1911 oats crop on hand March 1, and 20 per cent of the barley crop on hand. Kansas has less wheat on hand than the average percentage for the United States, less corn on hand than the average, less oats and more barley.

If the party who recently wrote KANSAS FARMER from Alida, Kan., in regard to a percentage method of selling live stock, will send his name, which he omitted to sign, we shall be glad to hear from him.

#### NOT TOO LATE FOR OATS.

The last few days many readers have asked if it is too late to sow oats. At this writing this is the only page of this week's issue open, and, while the editorial page is the holy of holies on most publications, with KANSAS FARMER its space is for the best use possible for the benefit of its readers, and it cannot be used to any better advantage than to give our opinion on these inquiries, brought about by the unusual seasonal condition.

At best, it will probably not be possible to sow oats earlier than a week or ten days from this date, thereby making the seeding season close to April 15. If seeding should be longer delayed we would not recommend sowing oats in the western two-thirds of Kansas. This is our guess. We might be wrong. Our guess is no better than yours. If we wanted a crop of oats we would not hesitate to seed as late as April 15, under the present conditions.

We would not delay sowing to plow the field, although a plowed seed bed is the best in this, as well as in other states. So soon as the field is dry enough to farm we would disk and cross-disk and sow with a disk drill, preferably, or a hoe drill. The use of the latter drill ought to be successful after double disking unless there is too much trash on the ground.

The oat is one of the hardiest of our cultivated cereals. For this reason we subject it to very unfair treatment. The seed bed for oats is given less preparation than for any other crop we grow, and the seeding usually is done in the most slipshod manner. The seed should go into the ground at least two inches and be well covered. Broadcast seeding in cornstalks and covering with cultivator and harrow are not, usually, conducive to the best results. Much seed is not covered, resulting in a poor stand, and this method is not conducive to development of a root system that will enable the plant to grow vigorously.

Seeding the first and second weeks in March have given the best yields in Kansas. Summer will be on with a rush this year, and with the ground full of moisture, and the seed well sown, we believe you are not taking long chances on a crop. We believe, as a general thing, that Kansas farmers do not sow seed enough per acre, especially so under seeding conditions whereby not all the seed sown has a chance to grow.

Oats grow on a wide range of soils. The farmer must be his own judge as to the bushels per acre, his method of seeding and his soils will permit and require. We believe that farmers, even under the best methods of seeding, could sow one to one and a half pecks more seed per acre with good results.

#### EX-SENATOR PEPPER'S RECOVERY.

It gives KANSAS FARMER much satisfaction to inform its readers that ex-United States Senator W. A. Pepper, who, a week ago in a local hospital suffered the amputation of a foot, is convalescent. The ex-Senator's friends were fearful that as a result of his advanced age he might not withstand the shock. Today he is sitting up, reading and writing. The ex-Senator is one of the distinguished ex-editors of KANSAS FARMER, having editorially piloted the paper during the period from July 5, 1882, to January 1, 1891, about which latter date, having been elected United States Senator, he resigned. A few days ago the ex-Senator remarked to this editor that when he guided KANSAS FARMER many thought his heart right and his head wrong. Now, he says, the progressive Republicans of today think his head, also, was right and, that, altogether he was a pretty respectable citizen. Here's to the complete recovery of the ex-Senator and the hope that he may live many years.



# AROUND THE FARM

## Overflow of Timely Items From Other Departments

The Illinois School of Agriculture has a farmer on its board of regents. This farmer is doing on his land the things taught him by the school of which he is one of the bosses. He, like other Illinois farmers, is alfalfa crazy. On this farm is an alfalfa field which has yielded an average of three tons of alfalfa per acre for three years. This crop is valued at \$45, while at the same time there has been added to the soil nitrogen which would have cost \$6.44 per acre if supplied in commercial fertilizer. On the same field, corn has made an average yield of 50 bushels per acre for the same time. This crop is worth \$25 per acre, and has removed from the soil fertilizing elements which it costs \$8.35 to replace. In addition to this gain in money value, Mr. Abbott considers that alfalfa is worth twice as much, acre for acre, as is corn for feeding purposes.

### Kansas Sweet Clover Experience.

I am interested in your paper in regard to sweet clover. I have been experimenting with it for the last two or three years, and it is fine, and is truly the first cousin to alfalfa. I believe I saw that statement first in your paper.

In the first place, it is the best plant for bees I ever saw. Two years ago I sold 940 pounds of honey from sixteen stands of bees, besides what we used in the family and gave away. It was as white as white clover honey and tasted just as well.

I have tried it for pasture for cows by sowing it on alfalfa ground and disking it in. It prevents bloat, as the bitter taste of it, called coronar, prevents bloat. I have used it for hog pasture. Hogs are very fond of it.

I use the yellow sweet clover. It does not grow as rank as the white variety, and is earlier. It commenced to bloom the last week in April and bloomed continuously until July 10. It will grow in the shade and in places where alfalfa will not grow. It is biennial and dies out the third year, but if allowed to seed it will reseed itself. It is quite difficult to secure the seed, as it shatters so and requires a huller to get clean seed. It will bear cutting the same as alfalfa, but must be allowed to seed itself the second year. It does not require the ground to be plowed. Disking and harrowing is all that is necessary.

Your description of sweet clover in issue of March 2 is a good description of it, and farmers will find it equal to alfalfa in many respects.—JOHN W. WILSON, Concordia, Kan.

### Rape As a Pasture Crop.

Last year the necessity of a catch crop was realized by Kansas farmers and a larger acreage of catch crops was planted or sown in Kansas last fall than ever before in the state's history. KANSAS FARMER has a number of inquiries regarding rape. It can be used in this state to best advantage as a pasture for hogs, cattle and sheep. Seed about 4 pounds to the acre. It germinates readily and hence may be sown as early as oats.

Rape may be sown in the spring for hog pasture, either alone or with oats or a combination of spring grains. If sown alone, hogs should not be turned in until it is 10 or 12 inches high. When used in this way it is always preferable to have two pastures and turn the hogs into them alternately, for rape when pastured down will grow again, but they should not be turned in until the rape has considerable growth. This is the only objection to sowing it with oats, as the hogs are likely to eat it down closer than is desirable. If it does not grow with sufficient vigor after it is pastured off, it can be sown again as late as June or even up to the first of August, provided the ground is put in proper physical condition.

Again, rape can be sown in corn at the last plowing. Except in the very driest weather it will usually maintain a stand, but will not furnish much feed where the corn crop is sufficiently vigorous to produce 50 bushels or over. It will, however, make considerable growth where there is a missing hill, or where the corn has been taken by worms. In any case it will justify seeding, as the cost of the seed should not be over 30 cents per acre. Where an early variety of corn is used for early feed, or where sweet corn is grown for canning purposes, it should always be sown, and will furnish a great deal of feed, which can be used either for hogs or cattle.

### Concrete Fence Posts.

Well made concrete posts add permanent value to the farm. They can be made at a cost of 22 to 25 cents a post, including materials and labor.

A square post 5 by 5 by 84 inches is an all-around economical design. Wooden forms may be used for this design at a reduced cost. They should be made in gangs of six posts each.

It is unnecessary to use expensive core reinforcements for concrete posts. Wire is just as good for that purpose, and reduces the cost of the post. Wire reinforcement spacers may be bought on the regular wire market. Pairs of number eight wire or twisted number twelve wire, ready strung with spacers, also are on the regular wire market. At least six wire reinforcements, with ends bent back, should be used to a post.

A clean grade of sand and pebbles only should be used in a ratio of two parts sand to four parts pebbles. If a clean grade of sand or pebbles is not available, a good grade of either may be easily washed. Dirt in sand weakens concrete. A good test for dirty sand is had by filling a fruit jar to the depth of four inches and adding water until nearly full. After shaking thoroughly the mud will settle on top of the sand. Sand containing more than one-half inch of dirt in this test should not be used.

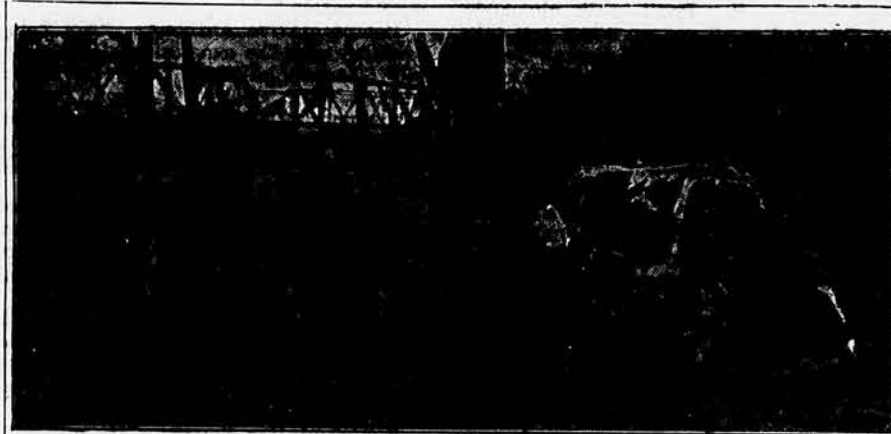
If unscreened "bank run" gravel is available, it should be used in the proportion of one part cement to four parts of gravel. For crushed rock or screened gravel, the concrete should be used in

but he was not last year. He says he believes we can get along better without the corn than they can in Iowa without the alfalfa. I believe that is right. I wintered 75 head of hogs without a bit of grain or mill feed for four months, and never had my sows in better shape than at the present time. I began feeding 40 head of fall pigs the 20th of January, 1912, that averaged 67 pounds each and they had never had any grain or slop, as I had none on the place. The pigs are gaining more than three pounds a day, and I never was able to make this gain before on pigs that I thought were well cared for. So I think the prospect for the hog business in the west is good at the present time, and that 8-cent hogs will be here before another corn crop is ready, and the man who will not buy his sows until he sees the 8-cent market is just that much behind, as it takes spring pigs to market fall corn.—H. L. BAOOKS, Breeder of Poland Chinas, Larned, Kan.

### Morgan Horses.

There are a great many so-called Morgan horses scattered about the corn belt, but comparatively few that are purebred. Many horses have Morgan blood and are called Morgans, but the pure strain of Justin Morgan blood has been kept by but few in the corn belt.

The Morgan is the only purely American breed of horses, and for style, speed, and endurance, has never been equaled. From him has descended one of our best known branches of the track horse



EVENING MILKING SCENE ON A KANSAS FARM. THE CREAM CHECK IS RECEIVED THE MORNING AFTER.

proportion of one part cement to two parts sand and four parts of gravel. Definite amounts of water should be used, which may be determined after a few trials.

### Hogs in Pawnee County.

There is no doubt in my mind that the hog situation at this time is a little fizzling and, from what I can learn from present and past experiences, the hog market will have to advance before there will be much demand for breeding stock, as the majority of people don't prepare for much business until June, and possibly not until fall, or at least until the market reaches 7 or 8 cents. I believe that those who have a good supply of hogs ready this coming fall will have the best market they have had for years. I have had several correspondents in Missouri, Arkansas, Oklahoma and eastern Kansas, and almost every one is looking for something for late shipment, as they are afraid of cholera at the present time, or else corn is too high or hogs are too cheap. The western part of Kansas and Oklahoma are different. Where they have alfalfa they are buying hogs, as they haven't had much, if any, disease, and if they have not got corn their brood sows are in the finest shape they ever were. This winter has taught people the valuable lesson that hogs will do well on alfalfa and Kafir corn stalks—the part that cattle don't eat. I believe there will be a good demand for hogs in the western half of Kansas and Oklahoma. I called on a stockman the other day who moved from Iowa two years ago, and also looked at his sows—as fine a bunch as anyone has. Of course he had been a corn man,

group, and his blood has never mingled with any other without improving it. He can pull the plow and do acres in a day. He can take your carriage and family to church at a proper gait. He can speed you to the doctor's when under the saddle. He can make your neighbors take your dust when you go out for a spin, and his blood wins on the race track.

Vermont has done much for this nation. Her sons have filled the halls of Congress with their eloquence, presided as judges of the highest courts, and brought added prestige to the flag in foreign lands, but she has done nothing of more general and lasting benefit than to give us the Morgan horse.

### Silo and Silage Institutes.

Through the suggestion of G. W. Conn, superintendent of farmers' institutes for Kansas Agricultural College, who arranged the institute program and stirred up farmers' institute officers, a few weeks ago, not less than 10,000 Kansas farmers talked "Corn for Cattle" or silo and silage. They discussed the advantages of the silo, its cost and construction. The value of silage as a feed has been investigated by men who don't take things for granted, but who want to know what a thing promises in dollars and cents.

Mr. Conn says: "The silo isn't new in the world. In truth it is quite old. But it's comparatively new to farmers of Kansas. That they are anxious to form an acquaintance with this money-making, feed-saving and drouth-defying piece of architecture is abundantly evidenced by statistics. Since October,

1909, about 2,000 farmers in Kansas have built silos.

"The silo is becoming very popular and its popularity is not local. It is found now in Kansas from Kansas City to Coolidge. The farmers of extreme western Kansas see in the silo a refuge in the time of drouth. The farmer in western Kansas today who has a silo filled with Kafir is indeed to be congratulated. The full silo with a few dairy cows, pigs and chickens is agriculture's best accident insurance. It means a living for the family and a steady income to meet interest payments.

"Silos seem to increase in number in direct proportion with the increase in the price of land. There is a reason for this. Three acres of pasture are about the average in farming communities for one dairy cow. But three acres of land in an average year in eastern and central Kansas will return about 30 tons of corn silage. This is silage enough for five or six dairy cows for a year. The advantage of the silo in this case is apparent. In some older dairy countries when the price of land has become very high the pasture has practically disappeared.

"Yes, the silo has come to stay. It is an economical building. It saves space, time, money and worry. Well preserved silage makes good, cheap milk, pork, beef, mutton and eggs. The hen is one of the saving graces of farm life, and she likes silage and expresses her appreciation in more eggs for the market basket. In limited quantities it is an excellent feed and tonic for horses. But a good dairy cow with six tons of silage and two tons of alfalfa in front of her for her year's menu is the greatest promise of permanent prosperity for most of the farmers of Kansas. Then, too, several hundred beef cattle feeders have proved the value of silage for putting on beef. A feeder in Dickinson County reports a gain of four pounds a day for 37 days on 100 steers with a ration of 20 pounds chop, 20 pounds silage, 5 pounds alfalfa."

### Handling Manure for Full Value.

In order to retain the full amount and get all of the value out of the farm manure, it should be hauled directly from the stall or feeding sheds and spread upon the land. The sooner it can be incorporated with the soil after spreading, the better, but this practice must be gauged or modified by other conditions. Where the practice of hauling direct to the field is followed the manure is handled but once, thus economizing labor as well as saving the important elements of fertility. The manure should be loaded directly into the wagon as taken from the stalls or barns. If as much as two or three loads a week are produced this will require a spreader or special wagon for the purpose. The saving in labor, however, will justify the expense.

The objection is often made to hauling manure directly from the barn onto the ground that weed seeds are thus spread that would be destroyed if the manure were composted. While this is true to some extent, the labor involved in killing the weeds so spread is not much, if any, greater than would be required in the extra handling were the manure composted. The loss of fertilizing material that is incurred in composting or in allowing the manure to rot in piles by the barn is also a factor that must be considered as against that practice.

The additional objection may be made that emptying the manure spreader daily or twice a week is not practicable during the winter or in busy seasons, and that land is not always available on which to spread the manure. The answer to this objection is to follow the practice so far as other operations and plans do not conflict, and when land is available. Because the plan may need to be suspended for two weeks or two months in the year does not prove that it is not good practice during the rest of the year.

### Spring Grazing an Evil.

The stock can damage the pastures while the ground is soft and the grass just starting. Heavy spring grazing is about the worst thing that can be done to a pasture and should not be practiced if the dry feed will hold out.

Good seed cannot be produced cheaply, and it is foolish to buy cheap seed just because it is cheap.



# THE FUTURE OF LIVE STOCK

## The Shortage of Meat Producing Animals and the Depletion of Soil Call for More Cattle

By I. D. GRAHAM

Why does the average farmer take great pride in his horses and much in his hogs but none in his cattle? American conditions are such that cattle have a higher value than ever before, and this value will probably never grow less. According to Dean Davenport we are living in a transition period in the evolution of live stock husbandry in this country. The time has passed when a man on his cayuse can produce cattle by the hundreds by the simple process of herding on the public domain, and walk them into market, feeding and fattening as they go. This period is behind us, but we have not yet developed those forms of animal husbandry that will ultimately go with a finished American agriculture. It is but natural that many difficulties and not a few losses should be encountered in making an adjustment that is so radical, and that has come upon us so suddenly, and with so little warning—an adjustment moreover that calls for some radical changes in our point of view as well as in our habits and methods of carrying on the business.

Our population in this country has practically doubled every 25 years, thus enormously increasing our meat consuming capacity, while the cattle population of the country has actually decreased within the last 10 years. The number of cattle other than dairy cattle decreased 7 per cent in numbers, while hogs decreased 8 per cent in numbers, although they increased 72 per cent in value during the last census period. The only notable increases in live stock population are 20 per cent for dairy cows and 13 per cent for horses. These gains are easily explained, but the losses in numbers of meat producing animals are not so easily accounted for. Meat is the food of the Anglo Saxon, and upon this diet he has made the greatest nations of earth. Meat will continue to be his food and the changed conditions above mentioned will have to be met by the production of beef and pork upon the farm.

From their methods and farm practice one might be led to believe that farmers think that the live stock business, and particularly the cattle side of it, has come to an end and that all the land is now needed to produce grain for human food. So much has grain and hay growing monopolized the farms of this country that there is a nation-wide shortage of meat producing animals, the cost of living has greatly increased and our soils are being worn out as rapidly as the skill of man aided by modern machinery can do it. Out of this condition has grown three things: a possible meat famine, the greatly increased cost of living and the depletion of our soil fertility. These things cannot continue.

Live stock will always be an important factor in American agriculture. Our great money making crops demand this. Corn and alfalfa or clover are two of our greatest crops and they have comparatively little value except as feed for live stock. Wheat is another of our greatest crops, the whole value of which is in human food, as cotton is for clothing, but both these important crops need live stock and will gradually fail without it. All of our important crops, and indeed it might be said all of our crops, must have live stock to either consume them or supply fertility for them or both.

This question of soil fertility is second to none in present importance, and yet few seem to realize its vast importance. To illustrate: It has been estimated that there was enough of nitrogen and phosphorus and potash in Kansas soils, that were available for plant food, to last from 50 to 100 years without any renewal, but it is known that any single crop system, as wheat, for instance, will continue to draw upon some one of these more heavily than upon the others and when this one element is gone the soil is depleted, even though the others may be present. Prof. Ingle, a noted English authority, has stated the case concisely in the following table, in which is shown a different crop each year and a maximum yield of each:

Year, Crop.	Yield, acre.	Nit.	Phos. Acid.	Potash.
1. Corn .....	80 bush.	146	57	83
2. Oats .....	75 bush.	76	28	62
3. Wheat .....	35 bush.	62	23	39
4. Clover hay..	3 tons	125	23	132
5. Pasture .....	3 tons	125	23	132
Total plant food removed per acre in five years.....				
		534	152	437

Now, suppose that enough live stock could be kept to give six tons of manure to the acre each year, and a considerable number must be kept to give these yields, and that a ton to the acre of green manure is plowed under with the clover and pasture, then the land would receive about 60 pounds of nitrogen, 31 pounds of phosphoric acid and 54 pounds of potash, and the fertility account would stand about as follows:

	Nit.	Phos. Acid.	Potash.
Amount of plant food removed per acre in five years .....	534	152	437
Amount of fertility returned in manure and green crop (figuring the manure dropped by the pasturing cattle worth one-third of what it would have been if stored).....	219	107	190
Acre loss in 5 years.....	315	45	247
Actual acre loss, 1 year ..	63	9	49.4

There can be no permanent system of agriculture without live stock and, with our rapidly increasing population, the abandonment of live stock for grain growing would rapidly put this nation in a class with China, which has no live stock. In that country the constant problem is to make the soil produce enough to support the population, and there is no margin of safety. When the lean years come there is starvation and pestilence. The great food crops of the country are rice, which is fertilized by the waters, and the fish taken from them.



A CORN BELT MONEY MAKER, WHOSE BREEDING AND CARE GIVES A PLEASANT OCCUPATION AND STEADY PROFIT.

fertility, puts them in the class of money earners.

Heretofore, cattle raising in the West has been more or less of a speculation. With free range it was comparatively simple, as the cattle raised themselves. On the farm the problem is much more complex, as most of our farmers buy feeders to eat up their corn and hay crops. Complaint is frequently made that there is no money in cattle feeding, or that it is productive of actual loss. This may be true at times, but not generally. Such complaints usually come from men who find that their corn and alfalfa would have brought more cash if sold on the open market than when sold on the hoof. In one sense this is a loss, but if the difference between the cost of producing the corn and what the cattle paid for it is computed, the balance is generally on the right side and the farm is enriched. Cattle and hog feeding operations constitute the foundation of the market for our corn and alfalfa crops, and should these cease to any large extent their price would drop very low, and financial crisis would result. There can be no doubt that the farmer can market his corn and alfalfa on the hoof to better advantage for himself and his farm than he can by selling them in the open market. There may be exceptional seasons but, year in and year out, the man who stays by his stock will win more often than he will lose, and much more often than the grain farmer.

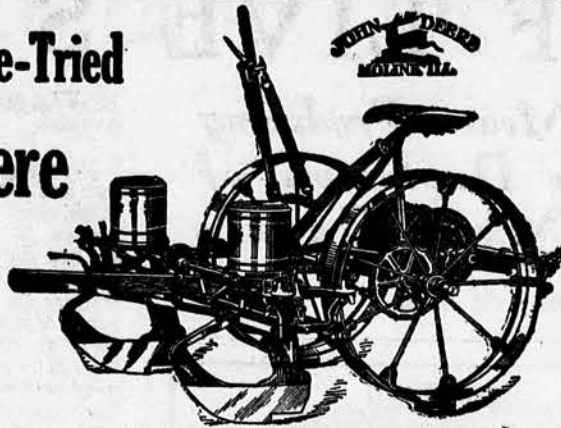
Kansas feeds, which are the most plentiful and the cheapest, are the best for making beef. Not long ago the experiment station showed that corn, alfalfa hay and corn stover made beef at the rate of from 2 pounds to 2.4 pounds per day when fed to steers and that, while steers fed a large corn ration made quicker gains, those which were fed a smaller corn ration made the same gains in a little longer time and at a saving of about 25 per cent of the corn. Steers fed 22.3 pounds of corn, 4.9 pounds of alfalfa hay and the same amount of corn stover per day gained 2.4 pounds in weight each day at the Nebraska Station, while those fed 13.9 pounds of corn, 10.9 pounds of alfalfa hay and 7.2 pounds of corn stover gained 2 pounds per day, required 18 days longer to make the same amount of gain, were in better condition and saved 25 per cent of the corn ration. In Indiana, steers fed 16.7 pounds of shelled corn, 3 pounds of cottonseed meal, 4 pounds clover hay and 15 pounds of ensilage gained 2.6 pounds per day and saved about one-third of the corn eaten by another lot which did not have the cottonseed meal and which did not gain quite 2 pounds per day, and sold for 30 cents more because of their better finish. Cattle feeding is a profitable winter occupation and success is ahead of him who studies to know his business, but he cannot win it with a scoopshovel.

The figures above given were intended to show that with the right kind of combination in the commonest and most plentiful feedstuffs profitable feeding may be engaged in with the ordinary run of cattle, but cattle are like other machines. If they are good and well adapted to their purpose they will produce sure and profitable results. If they are scrubs little can be expected from them under present conditions. America has been importing pure-bred animals from the old countries for a great many years and yet it is astonishing how many scrubs we have all over the country. This is especially true of cattle, and much less so of horses or hogs or sheep. The average farmer knows and likes a good horse or a good hog, but he seems to be indifferent about the quality of his cattle. Recent sales of Percheron horses show averages around the \$500 mark, while those of Shorthorns or Herefords have to be unusually good to reach the \$200 mark, and yet the chances are that the sires of the cattle cost as much and are worth as much as those of the horses. The indifference of the farmer to cattle compels the breeders to take less for their animals than the horse breeders get for theirs, and yet, if scarcity and quality combine to make the values, the one is really worth as much as the other. Quality in cattle counts for more on the American farm today than it ever did, and no farmer can afford to handle scrubs. They are

(Continued on page 13.)



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**Then Your Threshing Was Not Done  
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This one different machine is the RED RIVER SPECIAL and you should insist upon having it do your threshing. It will save all your grain and waste none of your time.

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It has the Big Cylinder, the "Man Behind the Gun," the patented separating grate and check plate, the greatest separating device ever built.

The Big Cylinder drives the intermingled straw, chaff and grain against the separating grate, beating the grain through where the check plate catches it and delivers it to the grain pan and mill.

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The straw goes over upon the shakers which hold it and BEAT it until all the grain is BEATEN OUT.

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It doesn't. Thousands of green straw stacks every year loudly say it doesn't. The RED RIVER SPECIAL saves all this. Insist upon its doing your work this year. It will save your thresh bill. Write us for the proof.

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Sole Builders of THE RED RIVER SPECIAL LINE  
Traction Steam Engines  
Stackers, Self Feeders and Supplies

## SPANISH PEANUTS

*Perfectly Balanced Ration—Especially  
Adapted to Dry Farming Conditions*

By H. M. COTTRELL, Agricultural Commissioner Rock Island Lines

The Spanish peanut is new to KANSAS FARMER readers. The editor believes the plant worthy of a field test of not less than five acres. Two or three farmers in a locality could this year give the crop a thorough trial, both in growing and feeding. No farm reader should go into the peanut business on a large scale; try it out in a small way. The Kansas Agricultural Experiment Station will plant Spanish peanuts at Manhattan and Hays this year. The Nebraska Station will also make a test.—Editor.

We have found the Spanish peanut to thrive wherever it has been properly handled under the greatly varying conditions of rainfall, soil and climate in those parts of the United States shown by the shaded portions on the accompanying map. These conditions vary from sea level to an altitude of 6,600 feet, from an annual rainfall ranging from 14 to 47 inches, and from a growing season between frosts of from 100 to 280 days.

The Spanish peanut waits for rain, and is particularly adapted to the dry farming sections, although it does better with good rainfall. This characteristic adapts it to every township in Kansas. In 1911, in Illinois and in Oklahoma, it stood green and fresh for 45 days without any rain and under intensely hot weather. After rains finally came it grew rapidly and made a good

times as much fat as timothy hay. Feeding tests confirm the analyses in showing the great value of the peanut as a dairy feed.

The value of the Spanish peanut to the Kansas dairyman is that it will yield well on almost any soil in the state in any kind of a season, and furnish a cheap feed that will force high yields of milk and make it unnecessary to feed much, if any, grain.

**PREPARATION OF SOIL FOR PEANUTS.**

Prepare the ground just as you would if you intended to plant corn and secure a large crop. Thorough preparation is especially profitable for peanuts. The peanut needs thorough cultivation throughout the season, and it pays to get the land in good tilth before planting. In the dry farming sections, peanuts are planted shallow with a lister. In such cases fall plowing and harrowing and thorough working in the spring gives the needed preparation. Double listing sometimes pays, the first listing being done in the fall or very early in the spring.

**VARIETY TO PLANT.**

The Spanish peanut is the variety to plant for feed. It has a small pod with two nuts in each pod. The stems grow upright, making it easy to harvest them for hay. The base of the plant is thickly clustered with pods, and they cling well to the vine in harvesting, this being a great advantage. The Spanish variety is particularly well adapted for



SHADED AREA SHOWS REGION ADAPTED TO GROWING OF PEANUTS FOR FEED.

yield—40 bushels an acre in Oklahoma. It stood still 60 days, waiting for rain, in New Mexico, and then grew and gave a fair yield. It also yields well under a good rainfall. In Louisiana 100 bushels an acre have been raised under a favorable rainfall, and in Arkansas from 95 to 172 bushels an acre have been produced.

**YIELDS WELL ON MOST SOILS.**

The Spanish peanut will give a profitable yield on almost any land except that which is wet or sour. It prefers a soil strong in lime. It gives a fair yield on land too poor to raise corn and a heavy yield on fertile soils. Like alfalfa, clover and cowpeas, it enriches the soil on which it grows. It gives the highest yields on sandy soil and a profitable crop on heavy soil. It is easy to raise, and farmers like to handle it, and usually increase their acreage after the first year. I found soy beans to be a valuable crop, but farmers do not like to raise or handle them. Cowpeas are being recommended in Kansas. They make rich feed, but not many northern farmers like to handle them. Every farmer I have met who has raised Spanish peanuts likes to raise, handle and feed the crop. In a few years I expect to see most of the live stock farmers in Kansas each raise from 10 to 15 acres of Spanish peanuts. The whole plant, vines and nuts, cured together as hay, is one of our richest feeds, containing over 18 per cent of protein, over 21 per cent of fat, and 6 per cent of mineral matter. It is appetizing to all kinds of farm animals, and laxative like alfalfa hay, and good pasture.

**COMPOSITION OF PEANUT.**

The United States Department of Agriculture gives the following analysis of peanuts and other feeds:

	Carbo- Protein.	hydrates.	Fat.
Peanut kernels	26.6	16.7	42.0
Wheat bran	15.4	60.4	4.0
Corn meal	9.2	68.7	3.8
Peanut whole plant	18.4	40.1	21.5
Peanut vines	10.0	42.0	3.6
Timothy hay	7.2	52.9	2.0
Clover hay	12.8	48.3	2.1

These analyses show that the peanut kernel has 72 per cent more protein than bran, and 189 per cent more protein than corn meal.

The whole peanut plant contains 2½ times as much protein as timothy hay, and 43 per cent more than clover hay. It contains nearly ten times as much fat as clover hay and nearly eleven



PEANUT PLANT HARVESTED WHOLE.

a second crop in the rain belt, and is the variety usually planted under dry farming conditions.

Under favorable conditions it will mature in 90 days from planting, while the larger peanut requires 30 to 40 days longer. This trait is of great value on dry lands, for when the crop is held back several weeks by drouth it will fill out and mature quickly after the first rain falls.

It is of vital importance to plant seed adapted to the climate where the crop is to be grown. Seed grown in the south with a warm season and 45 to 60 inches of rainfall cannot produce the best yields in sections where the rainfall is 13 to 35 inches, nor in the north where the season is short. Yet many people buy peanut seed without knowing where it was raised, and then condemn the plant as not adapted to their localities if the crop is a failure. Seed grown in western Oklahoma or Texas is preferable for seed in Kansas.

**PLANTING PEANUTS.**

Peanuts should be planted a little later than corn. The ground should be thoroughly warm before planting, to secure quick germination. The seed should be soaked 36 to 48 hours before planting, and planted without drying. In Kansas Spanish peanuts are planted in rows three feet apart, single pods,

(Continued on page fifteen)



# FARM POWER

DEVOTED TO GASOLINE ENGINES, TRACTORS  
TRUCKS, AUTOMOBILES AND MOTORCYCLES

**Three-wheel Autos for Mail Carriers.**  
German postal authorities are experimenting with a small three-wheeled automobile for the use of letter carriers.

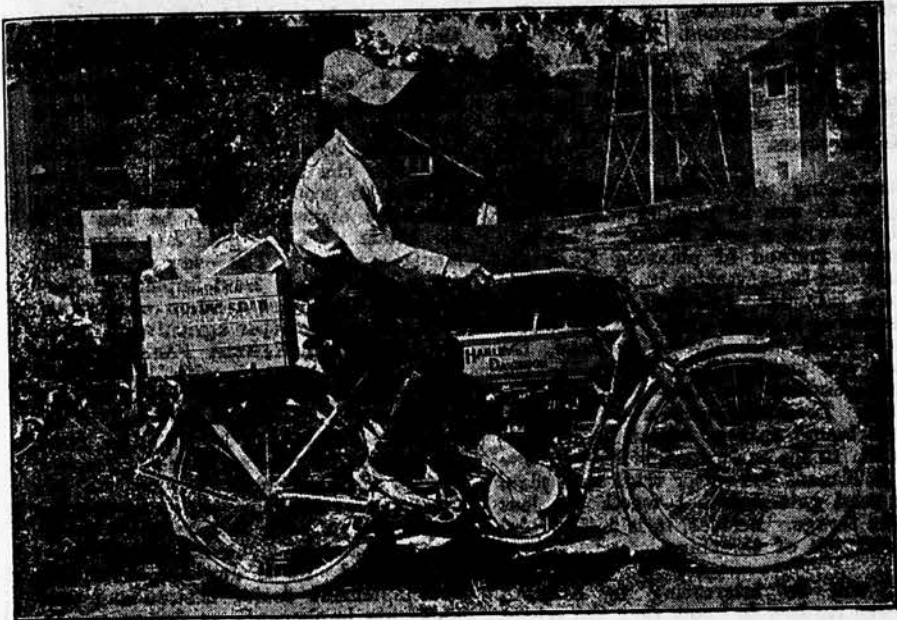
## Half the Rubber Yield for Tires.

The yearly production of automobile tires and accessories now absorbs about 50 per cent of the total annual yield of crude rubber, which at present is about 75,000 tons. Rubber has become the largest individual item in point of value in the imports of the United States.

lever. Together with a double-jet carburetor, this clutch enables the rider to obtain almost any speed. He can adapt himself to any traffic conditions, and, just like a car, bring his machine to a stop without "killing" his motor.

## Sensible Good Roads Platform.

The Clay County (Neb.) Good Roads Association has asked the county board of supervisors: (1) To spend the inheritance tax now in the county treasury on some road that they may select, making it permanent and substantial,



FIVE MILES TO TOWN—BEEN THERE AND BACK IN THIRTY MINUTES.

Some idea of the rate at which motor trucks are displacing horses may be gained from the statistics compiled by the Motor Wagon, a periodical devoted to that industry. At present there are 20,000 motor wagons in use, over one-half of which are operated in 47 of our largest cities. These machines are valued at about \$60,000,000, and are employed by 6,800 firms. New York has 2,500 of them, valued at \$6,250,000, while Chicago ranks second, with but slightly over one-half as many. With the exception of the cities of New York, Philadelphia and Boston, the great bulk of motor wagons are in use in the western and middle western states. Over \$3,000,000 have been invested in motor fire apparatus. Three hundred and one cities and towns have 594 pieces, which range in value from \$3,500 to \$10,000 each.

## Tractor Idea New to West.

KANSAS FARMER recently printed the advertisement of the Caterpillar tractor. This tractor engine in its appearance is so different from the other tractors that several readers have asked regarding the advantages claimed for it. From the manufacturer's circular matter we quote the following:

"The Caterpillar tractor is at its greatest advantage on the farm, owing to the many different kinds of work that can be done with it. It can be used for successfully harrowing and seeding, after the land has been plowed, without packing the soil, which is a very important feature. Owing to the great tractive surface of the Caterpillar there is no slipping of wheels, and in early spring and late fall, when the ground is wet from the rains, the engine can be used as long as the ground is fit to be plowed."

## Motorcycle Improvement.

There are at least 75,000 motorcycles in use in this country. The output for 1912 is estimated at 50,000. One manufacturer alone will manufacture 15,000 during the year.

One of the greatest improvements shown is an armored type of magneto, which is the same make as that used on the best automobiles, but much lower in cost. It is, however, more advanced than the car type, for it is entirely protected from water, dust or oil. No cover is necessary and even the terminals are housed, so that the instrument is now practically trouble proof.

Another improvement is the clutch. This is similar to the motor car clutch, and is operated by a convenient hand

instead of distributing it as they have done before in all parts of the county. (2) To appoint a county highway commissioner to look after all the roads of the county, one who knows how to make a good road. (3) To appropriate all money derived from registration of motor vehicles in Clay county to dragging the roads.

## Good Roads Train Success.

The Kansas Agricultural College-Santa Fe good roads train, last week operated over the lines of the Santa Fe in Eastern Kansas, was met at each of the 100 stops by crowds of interested farmers and townspeople. This was probably the most popular of the special trains operated by the railroad and the College.

The speakers on the train were: W. S. Gearhart, State Highway Engineer; H. B. Walker, State Drainage Engineer; J. H. Miller, Superintendent Extension Service; A. R. Losh, Assistant State Highway Engineer; H. L. Kent, Extension Department; Charles J. Dillon, Industrial Journalism Department.

These gentlemen told the townspeople to enforce their city ordinances and have better streets. They told the farmers how and when to drag their roads; also, how to build a road grade so that it would drain and, with dragging, become a good dirt road.

Among other things J. H. Miller, head of the Extension Department of the Kansas Agricultural College, said: "You should have hard roads extending out from the town in every direction. These should be made of rock, or macadam, or some other substantial material, but they should be hard and serviceable for all kinds of weather. It is the best investment this town, or any other town, can make. Why, I know of towns in Kansas that have such roads leading into them, where farmers haul into town in one wagon on the hard roads what they have brought in two wagons over ordinary country roads to the improved part of the highway. Such roads make for better business. They insure a trade center. And they mean much to the families of farmers. Why, I have talked to hundreds of young men who come to our college, asking them of their aversion to farm life, when such is apparent, and almost without exception, they tell me it is because of the isolation. They cannot get away from the farms, cannot get into touch with the life of the world, the pleasant social life, as exemplified in the towns and cities. Why? Because of bad roads. They are marooned. Shut off."

## Soldier Creek Park Ranch Belvidere, Kiowa County, Kansas FOR SALE

either as a whole, or cut up into farms. Prices and terms reasonable. It has taken forty years to put this property together and so create it, but now to go to the market.

Also about Two Hundred Fifty head of the most fashionably bred Hereford cattle, (95% Females,) and about Three Hundred head Short-horn and Polled Short-horn cattle, and various other live stock, improvements, and implements.

**Shorthorns  
300 Head**

**Herefords  
250 Head**

If possible, this property will all be realized upon during the present year. There is no property of its character equal to it in the Western country, for farming, grazing, or stock-raising purposes.

Prices and terms for everything, or any part of it, made by  
F. Rockefeller, Osborn Bldg., Cleveland, Ohio.



## Simple and Sensible Silo Saves You \$17 Per Acre

Prof. Kennedy, at Iowa State College figures cornstalk loss for Iowa alone at \$17 per acre net. Think of it. Get busy. Save that \$17 or more per acre net on your corn acreage.

"Unadilla" Silo exclusive features, easiest filled, easiest kept tight. Our fasteners being entirely on the doors they can be left in the opening at any height, merely pushed up out of the way and always where they belong. Easiest to get feed out of. Unobstructed continuous opening, 24 inches wide, makes it possible to shove ensilage out instead of pitching it up 2 or 3 feet like others.

Takes man or boy only 1 hour instead of a day to tighten or adjust every hoop on silo up to 12 inches while standing on ladder formed by fastener. No dangerous separate ladder needed as on others. Our safe door fastener makes a substantial ladder right under opening, rounds 15 1/4 inches apart, stand out 6 inches from the door, solid, safe, 14 inches wide.

Pick your silo carefully. Investigate the simple and sensible UNADILLA SILO ALL SIZES ALL PRICES

Strongest guarantee of quality lumber staves, castings, hoops; doors two thicknesses to stop warping. Withstands the hardest tests of time, heat, cold, sweating, etc. Capacity 11 tons, feeds eight cows from three acres of corn silage for 180 days up to 285 tons. Can send you hundreds of testimonials from "Unadilla" practical stock raising owners.

Prices and Savings—Costs from \$120 up, according to size. Quickly put up and saves you \$4 or \$6 per ton on feed. Often used 300 days in the year. Proves 33 per cent or more profit on cost of investment on feed alone. More than that on time and trouble saved if you have "Unadilla" practical exclusive features.

Let us send you the proofs. Then take your pencil and figure the hundreds of dollars in pocket to you right from the start. Absolutely the quickest thing on the place to pay for itself and then 10 to 20 times over again in a few years. Write. Don't delay. Find out whether you buy of us or not. Get the FACTS. Write a Postal—Books FREE.

DEAL-RICE LUMBER COMPANY,

501 CLAPP BUILDING,

DES MOINES, IOWA

## FRESH WATER

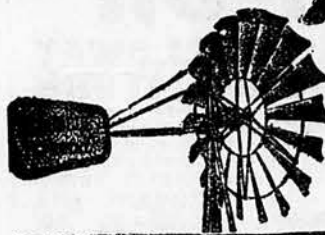
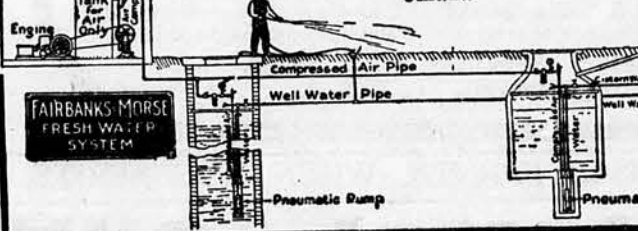
WHEN YOU WANT IT—  
WHERE YOU WANT IT

can easily be secured. Install a

## Fairbanks-Morse Fresh Water System

It does the work of practically two ordinary water systems—pumps from well and cistern simultaneously by compressed air. No water storage; power plant located where you wish. Write for full information and Catalog No. 898 WT.

FAIRBANKS, MORSE & CO.,  
Chicago Kansas City St. Louis  
Omaha



## GOODHUE WINDMILLS

## Less than 2 1/2c per day

for five years will not only buy an 8' Goodhue Windmill and 30' Steel Tower, but will pay for all your pumping, buy all your repairs, and furnish you with a new mill and tower if yours is destroyed within five years by cyclone, tornado, run-away teams or any other cause except willful abuse or neglect.

You cannot even pump your water for that sum in any other way. The time you lose starting and stopping your engine will amount to more than that. You simply cannot afford to use any other power for pumping.

are strong, durable and safe, are self-oiling close governing and will get the most power out of any wind. Write us to-day for our catalogue and the details of our really remarkable proposition. Delays are expensive. Do not delay.

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NATIONAL WEATHERMETERS—Predicts storms, day ahead. Shows temperature, 60 below, 125 above zero. Locates directions, North, South, East, West. No home complete without one. Sent postpaid, \$1. Order today. American Directory Company, K.F., Dallas, Texas.

**Big Free Catalog** SEND for Our Big Free Auto Catalog. Just out. Everything for your automobile at wholesale prices. Auto Specialty Co., Dept. E, 1516 Grand Ave., Kansas City, Mo.



**Better Farm Implements and How to Use Them**

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Illustrates and describes the most complete line of farm implements. Tells how to adjust and use them under varying conditions. It is a practical encyclopedia for the farmer. It is worth dollars to you.

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**Get Quality and Service**  
John Deere Dealers Give Both



**Davenport Roller Bearing Steel Wagons**

**Buy Your Wagon Once For All**

There is a wagon made that is stronger, more durable and of lighter draft than any other. This wagon is

**Built Like a Bridge**

Entirely of steel I-Beams, Channels and Angles, solidly held together with large steel rivets, put in hot under great pressure. Like the steel railway bridge, it is constructed for hardest lifetime service. Strong and durable. Each front gear and each rear gear is practically one solid piece that cannot come loose or apart.

**Steel Wheels**

This wagon has steel wheels that are turned and made with a tension.

**Roller Bearings**

That roller bearings reduce draft is generally conceded. Of the various styles, the straight roller bearing is the simplest and most successful. For this wagon the straight roller bearing is especially adapted. The spindles and hubs are straight. Consequently, as this wagon is equipped with straight roller bearings it is of light draft. A little book will be pleased to send free, tells of a good many more superior features this wagon has.

Be sure to tell us whether you want your copy of "Better Farm Implements and How to Use Them" and in order to get the "Wagon Book" containing full information regarding the above described wagon, ask for Package No. B13

**JOHN DEERE PLOW COMPANY, MOLINE, ILLINOIS**

Fertilizers yield enormous returns on truck crops provided you use the right kind. A truck fertilizer should contain 10 to 12 per cent.

## POTASH


or about twice as much Potash as Phosphoric Acid.

Potash improves the yield, flavor and shipping quality.

If your dealer won't carry Potash Salts or fertilizers rich enough in Potash, write to us for prices. We will sell any amount from a 200-lb. bag up.

*Write for free book on Truck Farming and Fertilizer Formulas.*

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Continental Bldg., Baltimore  
Monadnock Block, Chicago  
Whitney Central Bank Building, New Orleans




## KOW-KURE

### MAKES COWS PROLIFIC

Don't sell your barren cow to the butcher. She can be made productive and profitable by the use of KOW-KURE, the great cow remedy. Cow owners by the thousands have doubled the value of their cows by making them prolific breeders.

KOW-KURE is a medicine for cows only, and is a positive cure for all ailments peculiar to cows—ABORTION, SCOURS, MILK FEVER, LOST APPETITE and other affections that make cows sickly and unprofitable. It will keep well cows in the best of health and prevent disease. Healthy cows produce more and better milk and require less care. Send today for our free book, "More Money from Your Cows." It gives a world of valuable information that every farmer and dairyman ought to have.

**DAIRY ASSOCIATION CO., MFRS.**  
Lyndonville, Vt., U. S. A.



MENTION KANSAS FARMER WHEN YOU WRITE.

## "Bath-In-Oil"

### —SEPARATORS MAKE GALLOWAY THE ENVY OF ALL COMPETITORS

Why pay \$21.25 to \$45 extra cash out of your pocket to any dealer or any one else for any separator when you can buy my Galloway "Bath-In-Oil" Separator—built like a \$5000 Automobile—from \$29.75 and up. My "Bath-In-Oil" principle in separators is famous with tens of thousands of farmers and dairymen—from ocean to ocean. Let me send you a Galloway at my risk—30 days free trial, freight prepaid. Save the money. Get my proposition and big separator Book Free.

**SPECIAL —To The First 10 Men or More In Each Township**

I want to place 10 or more of my famous Galloway Bath-In-Oil Cream Separators in every township right away. And I'm going to slice prices on a grand scale in order to get quick action from 10 or more men in every township who answer this "Ad." So don't hesitate a moment, but get out your pencil and postal card and

**Send Your Name NOW** Get quick action on this wonderful offer. Be one of the first from your township. My prices to you are less than your dealer can buy Separators for spot cash in car load lots! Send your name and address on postal today, and my big offer will go to you at once. Address:

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William Galloway Company, 3834 Galloway St.,  
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**Victor Sitts, Holt, Michigan**  
Writes: "For Quality you certainly make a price on your separator that is right and I will say that I saved from \$25 to \$30 by ordering from you."

**30 to 60 Days Free Trial**

**Save \$45**

**Freight Prepaid Longest Guarantee**

# THE FARM



Replying to D. K., Ford, Kan.: A bank barn is successful. It has numerous advantages, but some disadvantages. Special attention should be given to ventilation and lighting, the latter being somewhat difficult in a barn built far into the bank. The building of a silo in the barn is feasible, but the silo should not be square. A square silo results in too much spoiled silage in the corners. The building of square silos has been discontinued. A part of the silo may be under ground with satisfactory results. If you will make a rough sketch of the proposed building and barn the editor will be glad to advise thereupon.

Answering Olpe, Kan., subscriber: Yes, Kafir can be planted with a drill and cut with a corn binder. This is a common method of planting Kafir for forage and in harvesting it. Such method is not intended, however, as a means of securing a grain crop. While nearly every stalk will develop a head, the heads are small. This is due to the thick planting for fine—not coarse— forage. Threshing such a crop as you would bound oats or wheat is not successful. In the early days of Kafir growing in Kansas the editor tried such plan. The seed gained is not worth the loss in the forage. Besides, it is a slow and difficult job of threshing.

It will be interesting to KANSAS FARMER readers to know that the school teacher who sold his 40-acre farm and having \$2,500 in cash with a desire to farm, and who asked this editor how he should begin, and which advice resulted in the receipt of dozens of letters on the small farm subject, has rented a 120-acre farm in his home neighborhood. It would be interesting to the readers of this paper to know the terms of rental, the kind of a farm rented, and how the young man expended his money for live stock and farm equipment, and most of all, how he succeeds. The editor hopes we may have the information later. Letters are still coming regarding the successful management of a small farm. Many have been printed and others will appear later. The editor's advice in this instance resulted in a lively discussion and it is doubtful if any other farm inquiry at the hands of any other paper has ever elicited so much interest. The end is not yet.

In general, the following precautions will be found to be of material benefit in increasing the yield of oats in Kansas, and if generally followed will undoubtedly aid greatly in bringing the oat crop into more general favor and will make it a more profitable crop throughout the state:

First—Better preparation of the seed bed, the seed being sown with a disc drill instead of broadcasting.

Second—As early seeding as is consistent with good preparation of the seed bed and drilling.

Third—The use of heavier seed, of varieties which have not "run out."

Fourth—The treatment of the seed for smut where they are infected.

In case of doubt as to the variety of oats to use, or when unable to secure pure seed of good quality, or for directions for treating seed for smut, write KANSAS FARMER. The oat is an important crop, and Kansas, particularly the eastern third, does not give it the attention deserved.

Several subscribers ask how to treat seed oats for smut. Loose smut is the common species found in oats. The smut opens when the grain is in flower and is blown away, leaving the heads bare. Another form is not observed until the hull is removed, when the kernel is found to have been replaced by smut. The disease is caused by the seed, so treatment of the seed is necessary to eradicate the disease. Soak seed oats two hours in a solution of one pound of formalin in 50 gallons of water. Be sure that all the grain is thoroughly wetted by the solution. The seed is soaked in bags—the ordinary grain sack is satisfactory, but be sure the water penetrates to the middle of the sack.

An open sack will permit the passage of water more easily than a close sack. After treatment the sack should be spread out on a clean floor or canvas to dry. When resacked use the soaked sack. They should be free of smut. In that the seed does not come in contact with surroundings which will again infect the seed. There are a half dozen other methods of destroying smut in seed oats, but this is the most practical.

W. A. S., Wilmore, Kan., commends KANSAS FARMER for urging that farm machinery be kept under cover. Our subscriber, however, says that we should get after the implement man and compel him to protect this same machinery from the elements while he has it in his hands. We are glad our subscriber mentioned this. The chances are that not a great many farm implement dealers of Kansas are readers of KANSAS FARMER or any other agricultural paper. Why not each KANSAS FARMER reader take the matter up with his dealer? Call his attention to the fact that farm machinery in his hands, exposed to the weather, depreciates in value as much as in the farmer's hands. That a wagon, drill or plow exposed to the wind, sun or rain for five or six months or possibly a year, is worth less to the farmer than the same implement properly housed. It is our judgment that the implement dealer desires and does house his implements as far as is possible, and that no material damage results from his neglect, but what is good for the farmer in the care of implements applies equally to the dealer.

You will soon be seeding alfalfa, and aside from the preparation of the seed bed, the other one important requisite is that of obtaining good seed. The first requisite of good seed is high germinating quality. If the seed you obtain contains a lot of brown seeds it would be safe not to use the seed. The brown seeds may sprout in a germination test, but usually fail to grow when placed in the ground. Experiment has proven this so. To test the germination of the seed is easy. It requires a simple apparatus, consisting of two pieces of flannel, or of blotting paper about six inches square, between which are placed 100 seeds. The whole, placed between two plates, should be kept moist, but not "sopping" wet, and the seeds which have sprouted counted every day. At the end of six days the total number of sprouted seeds will represent fairly well the germinating power of the sample. Good alfalfa seed should give a percentage of at least 80. The second requisite of good alfalfa seed is that it be free from weed and dodder seed. It is a good plan to send a sample of the seed to Kansas Agricultural College for examination. There are many kinds of wild seeds which only expert examination can detect. You cannot afford to incur the expense of thoroughly cleaning and preparing a seed bed and have your plans fail by sowing with the alfalfa weeds or sowing alfalfa seed which will not grow.

G. J. S., Whiting, Kan., wants to know how to provide summer pasture for hogs. The question cannot be answered to best advantage because we do not know what kind of land will be devoted to the pasture nor how many acres in the tract, or the number of hogs to be kept. Each of these will influence what the editor might regard as the best practice. To our readers we would suggest that in asking question please be specific and so far as possible report conditions surrounding your inquiry. I assume that the above inquirer has sows with spring pigs, that the pigs are to be fed corn as soon as the crop is produced, and gotten ready for late fall market, and that he has land for pasture in proportion to the requirements of the herd. I happen to know that the inquirer is on a rented farm, and may be on the farm only one year. Oats will make the earliest pasture. Some barley with the oats will improve and prolong this pasture. Plow the ground deep, pack the subsoil, and sow as early as



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**T**HE power on your farm, that must be ready to accomplish its work promptly and quickly, is your gasoline engine. The dry cell battery has proven itself to be the most dependable and efficient source of sparks that enable the engine to act economically and reliably—and French Auto Special cells are designed and constructed especially to produce the greatest number of ignition sparks.

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is an entirely different type of dry battery, used exclusively for telephone purposes.

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"Tried and True"

Years of Tests on Thousands of Farms  
Your Guarantee of Satisfaction

This engine has passed through every test, met every demand of its thousands of owners, and fulfilled every claim of its makers. First cost is the only cost when you buy this high quality engine.

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The best proposition ever offered. Write us a postal for our special plan and our free book entitled "Silo Profits." The book tells WHY you should have a silo and our plan tells HOW you can get one.

**INDIANA SILO COMPANY,**  
The largest makers of silos in the world. Address nearest factory:  
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### Lump Jaw Cured!

A single application of Adams Rapid Lump Jaw Cure will cure the most severe case of Lump Jaw in Cattle in three weeks time, and leave no scars. Sold under positive written guarantee by live druggists. Get Our Free Book on Animal Diseases. Tells how to save and cure sick Horses, Cattle, Sheep and Swine. Full information about Adams Rapid Lump Jaw Cure. Remove all for Horses, Lameness, Adams' Fettle and Pull Evil Cures, and other Adams Remedies. Send your druggist's name and address and we will send you this valuable book. H. C. Adams Mfg. Co., Dept. KP. Algona, Ia.

possible. Not later than two or three weeks after seeding the above, sow another part of the lot to sorghum, and a month later another part to sorghum or rape. If the patches of each are not too closely pastured, this will provide the swine with pasturage until frost. If the pasturage is short the latter part of the season, green corn or sorghum from other fields can be cut and fed to hogs. The above arrangement will necessitate a division of the pasture by fences. When the oats or oat and barley pasture has been finished, or about July 10 to 20, seed this plot to rye and barley, which will furnish late fall and early winter and early spring pasture. If the inquirer is to remain on the farm several years, seed an alfalfa pasture this spring, but do not use until next year.

J. A. J., Wilson, Kan., says he has a few acres of nice meadow which he wishes to break this spring and seed to alfalfa. He asks if the ground could be so worked as to sow alfalfa this spring. Our inquirer does not say what kind of meadow, whether prairie grass or tame grass. The difference is this: If tame grass meadow, the land has heretofore been cultivated; if prairie grass, the virgin soil is to be dealt with. Judging from his location we assume his meadow is prairie grass and that the land has never been plowed. Readers will see that this query is not sufficiently specific to insure an intelligent answer. If this is prairie grass meadow we do not recommend attempting successful alfalfa seeding for several years. Break the sod early this spring. Prepare and plant to some sod crop which can be removed early for fall plowing. Plow deep and sow to rye and barley, pasturing during the fall and winter with hogs, calves or other stock. During the winter get some manure onto the field. Early the following spring plow again, bringing up more of the unplowed subsoil. Seed another spring crop, oats preferred. Fall seeding of alfalfa might be expected to be reasonably successful. If it is the practice in your section to seed alfalfa in the spring, follow that practice. The editor believes in spring seeding—such was most successful in his locality. But we realize that in some sections fall seeding is preferable. Do not precede alfalfa seeding with sorghum or Kafir. They draw heavily on the soil's moisture and unless the germinating season for alfalfa is extremely favorable from the standpoint of moisture, alfalfa stand is almost sure to fail.

Kafir and sorghum seed are high in price again this year, and will probably be higher before planting time. If you buy seed, demand that which is pure and keep it pure for planting next year, by gathering the heads from the stalks as they stand in the field. By such method of gathering you know what you are saving for seed. The great bulk of the farm-grown Kafir and sorghum is badly mixed with the different varieties of each and also with broom corn. A mixture of this kind is unsatisfactory for many reasons.

#### Alfalfa and Sweet Clover Queries.

Answering J. B. Higgins, Texas: Where alfalfa flourishes you will find on the roots nitrogen-gathering tubercles. The same is true of sweet clover. An examination of the roots of either will show whether tubercles exist or not. If they do not appear it is evident that the bacteria causing the tubercles do not exist in the soil. These bacteria are found in nearly all soils, but especially in soils where legumes have been grown.

It is probable that there are special forms of bacteria peculiar to each of the leguminous crops, though these bacteria readily adapt themselves to the different crops.

Inoculation of the soil with the bacteria desired can be done by sowing with the seed soil from a field where the bacteria is known to exist. The seed may be inoculated by soaking in water in which soil from a field where the legume has successfully grown, has been stirred. A commercial product known as nitrogen may be used in the inoculation by soaking the seed in water in which the nitrogen has been dissolved. This product is prepared for the particular crop for which it is to be used.

It is claimed that sweet clover when pastured does not bloat stock as does alfalfa. An Iowa correspondent says he has run cattle in sweet clover pasture under the most favorable conditions for bloating with no damaging results. This same man says it will endure the hardest kind of pasturing.



The newest idea in clothes-making has been produced by the oldest manufacturers of men's clothes in America.

**A**s a result, \$15 will buy a fashionable ready-to-wear blue serge suit that really will fit and wear and hold its shape and color.

It will compare favorably with most suits at \$20—and it's as good as it looks, for the things you can't see are guaranteed by dealer and maker.

The new idea, in brief, is this:

Centering advertising upon one suit increases the demand for it. Manufacturing larger quantities lowers making-costs. Figuring the savings in advance, we put them into better cloth.

You see the new idea is built upon faith in our own advertising. We had faith because we state nothing but facts. It was justified; and so what last season was only an idea is today a proven success.

## CLOTHCRAFT Blue Serge Special No. 5130

GUARANTEED ALL-WOOL AND FAST COLOR \$15

In buying this suit you take nothing on faith. The Clothcraft guarantee absolutely assures all-wool cloth, first-class trimmings and workmanship, permanent shape, satisfactory wear and service.

Go to The Clothcraft Store. Ask to see the Clothcraft Blue Serge Special, No. 5130, at \$15, and the many other styles of Clothcraft Clothes—America's one guaranteed all-wool line at medium prices: \$10 to \$25.

Notice how good they look and feel—how well they fit. And then read the guarantee that's in the pocket of every Clothcraft coat. It indicates the maker's confidence that the clothes will stand every reasonable test.

If your regular clothier doesn't sell Clothcraft, you'll thank us for directing you to one who does. Write us today for the Spring Style-Book, a sample of the 5130 serge, and the address of the nearest Clothcraft Store.

## THE JOSEPH & FEISS CO.

Founded 1850—Oldest American Manufacturers of Men's Clothes

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## JONES SEED CORN

Same strain that brought \$85.00 for one bushel last year. Same strain that won \$5,000 in premiums at National Corn Show in 1907. Same strain that won so many first premiums at county fairs! Get our rock bottom surprise prices!

**10,000 Bushels Ready Now!**

**60 to 70 Bushels Per Acre**

Just out of our testing rooms—thousands of bushels shelled and graded, thousands left in the ear. You can have it either way and it's the best! All varieties—just the kind you want—bred up for years—to highest standards of perfection—and picked at the right time! Don't buy a bushel—don't even plant a kernel till you get our catalog and prices. Also note quality and prices of other seeds—all kinds—for biggest crops. Address postal now to

**O. S. JONES SEED CO., Box 733-A 1, SIOUX FALLS, SOUTH DAKOTA.**

## IOWA NEW GALVANIZED GATES

Let me ship the gates you need for 60 days free inspection and trial. Save from \$50 to \$250 on your gate purchase. Iowa Gates are made of high carbon steel tubing and large stiff No. 9 wires. Rust proof—wear proof. Write for my special proposition today. Complete galvanized frame, also painted gates cheaper than ever before. Jos. B. Clay, Manager, IOWA GATE CO., 48 Clay Street, Cedar Falls, Iowa



## HIGH GRADE TESTED SEED CORN - SEED OATS

Ask for Catalogue and Prices.

**GEORGE T. FIELDING & SONS, Manhattan, Kansas.**





**THE Fence adds value to the farm. Keep fences in order and the house painted. It indicates prosperity.**

Here's an instance: Not long ago a little farm with shabby buildings and fences rotted down, sold for a song. The new owner had the right idea. Buildings were painted. Wire fences were erected to divide the farm into small fields in order to change pastures and rotate crops systematically. Then circumstances compelled him to sell out. The cost of painting and fencing was less than \$200.00. The farm sold for four times its purchase price. Appearances do count.

**AMERICAN FENCE** is made of large, stiff wires, galvanized heavily, having the American hinged joint (patented), a fabric most flexible and wear-resisting. A square mesh fence of weight, strength and durability—three great needs in farm fences.

### Dealers in Every Place

where farm supplies are sold. Shipped to them direct from mills in carload lots, thus saving freight charges and enabling dealers to sell at lowest prices, giving buyer the benefit.

Send for copy of "American Fence News," also book "How to Make the Farm Pay," profusely illustrated, devoted to the interests of farmers and showing how fence may be employed to enhance the earning power of a farm. Furnished free upon application.

F. Basckes, Vice Pres. & Gen. Sales Agt., **AMERICAN STEEL & WIRE COMPANY**, Chicago, 72 W. Adams St.; New York, 30 Church St.; Denver; U. S. Steel Products Co., San Francisco, Los Angeles, Portland, Seattle.

## The Quaker Is On Every Can

The Quaker is on every can of Lewis' Lye. Be guided by this trade-mark—it's the sign of the purest lye, the full-strength lye, the lye that is the standard and has been since 1854—that's

## Lewis' Lye

The Standard for Half a Century

Every housewife and every farmer should know the labor saving and money saving uses of Lewis' Lye. For making soap, for softening water, for disinfecting, as a hog conditioner, as a preventive of worms and cholera, etc., etc., it is unequalled.

All grocers sell and guarantee Lewis' Lye. And you can get from your grocer or from us direct, a free booklet which will tell you all about it.

Remember, buy the lye in the can with the Quaker on it.

For use as a hog conditioner, mix one-fourth can of Lewis' Lye with every barrel of slop, or a teaspoonful to five gallons.

PENNSYLVANIA SALT MFG. CO.  
Manufacturing Chemists  
PHILADELPHIA

The Quaker is on Every Can

When writing our advertisers say you saw the advertisement in KANSAS FARMER. That insures to you the full benefit of the publishers' guarantee. See top of editorial page.

# LIVE STOCK



Build your silo so that the doors are covered for the entire height with a chute. Then have this chute open into one side or end of the stable and you will have a splendid ventilating shaft.

Sheep cannot eat silage in as great a proportionate quantity as do cattle, though no one seems to know why. However, they do well on it, and it saves a great deal of hay and other feed.

Silage sells for from \$3.50 to \$4 per ton in the older states if it is well made from good corn with plenty of ears. Kansas farmers have not had occasion to sell much silage as yet, so no fixed price is set on it.

Woven wire fences would save most of the cut hocks and scarred quarters that are found on about 75 per cent of our horses. Woven wire is really cheaper than any other fencing material, and is by far the most satisfactory.

Don't give too much attention to color of hair or white points or droop of ears. These are valuable points and must not be neglected, but quality counts for much more in any kind of market. Learn to like the color of a good hog.

Necessity is a priceless spur and most men do their best under its sting. Drouth teaches economy by the most forceful of object lessons. There will be more silos built in Kansas this season than ever before. Put these things together and think about them.

F. J. Searle, the Holstein breeder of Oskaloosa, Kan., has maintained his entire herd in splendid condition all winter long on a ration of silage and alfalfa. The corn brought about 50 bushels of ears to the acre, and this seems to have given the cattle all the grain they needed in the silage.

Reports from the great packing centers indicate the general belief that cattle prices have not yet reached the top, and that the highest general average will be maintained during the first half of 1912 that was ever known. If this is true the man who needs cattle cannot buy them too quick.

Each breeder should study the conditions affecting himself as an individual and should use the local, the agricultural, the stock or the dairy papers, as may seem best. The pure-bred male is the forerunner of prosperity, the missionary of success; and the main point is to advantageously place the males. Every male so placed makes of his owner a probable subscriber to the breed paper and a possible buyer of female stock; so the seller benefits not only himself, but the breed.

Men take up the breeding of pure-bred stock for the most part for the money there is in it, and, incidentally, for the improvement of the common stock of the country. Most of them also get a vast deal of pleasure from the ownership of fine animals. To make money from the sales of stock a market must be found for the breeder's surplus, and that market must be found largely among outsiders. Confine any class of breeders to sales among themselves and the business as a business will be strangled in short order. Hence the need of advertising—the need of letting the outsider know that you can benefit him and yourself at the same time.

### Hogs in Douglas County.

"In this county there are a good many farmers who think there will be a large demand for stock hogs when the crops begin to grow, and for this reason I think there will be an average number of pigs farrowed in anticipation of the demand. The pure-bred business has been very good this spring, and there are several herds being started near by. The farmers are taking advantage of the low prices to stock up.—F. S. COWLES, Breeder of Poland Chinas, Lawrence, Kan.

### Hog Packing This Winter.

As showing the comparative numbers of hogs packed this winter over last, and as showing the enormous increase, the Price Current gives the following figures which cover the period from November 1, 1911, to February 14, 1912:

	1911-12.	1910-11.
Chicago.....	2,315,000	1,820,000
Kansas City.....	1,220,000	865,000
South Omaha.....	730,000	470,000
St. Louis.....	645,000	645,000
St. Joseph.....	715,000	415,000
Indianapolis.....	572,000	385,000
Milwaukee.....	190,000	225,000
Cudahy.....	292,000	144,000
Cincinnati.....	245,000	182,000
Ottumwa, Iowa.....	222,000	147,000
Cedar Rapids, Iowa.....	187,000	166,000
St. Paul, Minn.....	356,000	255,000
St. Paul, Minn.....	325,000	250,000
Cleveland, Ohio.....	305,000	225,000
Louisville, Ky.....	65,000	51,000
Wichita, Kan.....	165,000	150,000
Detroit, Mich.....	235,000	175,000
Nebraska City, Neb.....	60,000	48,000
Above and all other.....	10,425,000	7,685,000

### Kansas Hog Situation.

I think the pure-bred swine business is in a better condition than it has ever been before in Kansas. The "hot air" prices are off and any farmer can afford to buy pure-bred hogs. This is getting things down to where they should be, and farmers are learning the value of pure-bred stock. But there will be very little, if any, demand for hogs of any kind in this locality until another corn crop is in sight. While there has been no disease of any kind in this part of the country there is, comparatively speaking, no hogs except a few fall shoats. Farmers who usually keep from eight to 10 brood sows you will now find with not more than two or three, if they have any at all. It is nothing uncommon to hear farmers say that they haven't a hog on the farm. This shortage is caused by the scarcity and the high price of feed. As to what I think of the future, I can best explain by saying that I am holding a few extra brood sows this year. I am also carrying over the majority of my 1911 crop of gilts. As to whether my judgment is good in this matter or not remains to be seen. But with a good corn crop this year and the scarcity of breeding hogs in the country there will surely be a good demand for pure-bred hogs this fall. KANSAS FARMER is one of the best farm papers that comes to my address, and I believe one of the best advertising mediums in the West.—J. E. BUNDY, Breeder of Poland Chinas, Goodrich, Kan.

### The Hog Situation.

In my opinion hogs will be selling for \$9 or \$10 a hundred on the Kansas City market this summer and fall. They would be higher than that if the country was as bad off for hogs as this locality is. I know of men here who raise from one to two cars of hogs a year who haven't a hog on the place, and plenty of others that have but three or four sows and are not very anxious to buy more.

My experience has taught me that this is a big country and that, with our present shipping facilities, the minute the market gets where there is money in hogs there can be a fair run on the market when the country looks as though it was out of hogs.

With the present price of feed we ought to have \$8, and I feel sure the shortage will run the market up at least one or two dollars.

There is one way to improve pure-bred hogs, and that is for breeders to be more particular what they sell for breeding purposes. I seldom attend a sale where there isn't eight or ten head, and sometimes half of the offering, that ought never be sold for breeding purposes. The good hogs bring from \$50 to \$75 a head. Well, the farmer buys one of these culls for \$20 or \$25 and says he has a pure-bred hog, and he has, and the sale made a \$40 or \$45 average, and was a success. However, it is up to us breeders to offer nothing but \$50 hogs till the farmer sees there is a difference between pure-bred and grades. That is, we must make the difference so great that there is no question. The sooner we go to selling \$50 pigs for \$20 and quit selling \$10 pigs for \$20, the sooner we will be selling \$50 pigs for \$50.—I. R. BEAKEY, Breeder of Poland Chinas, Louisburg, Kan.



## Dip for Dollars

You actually put dollars in your pocket when you put your hogs through a bath of Dr. Hess Dip and Disinfectant.

Its action is swift and sure—it prevents scurvy skin—kills lice and fleas which so often hide and play havoc behind the hog's ears, between the folds of the skin, and around the abdomen.

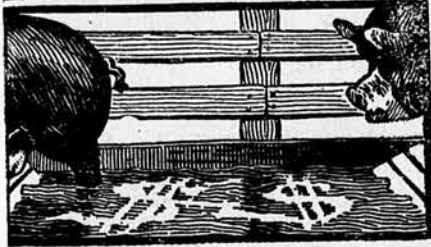
## Dr. Hess Dip and Disinfectant

prevents mange, scab, hog cholera and all parasitic skin troubles. It is a powerful disinfectant, germicide and deodorizer, equally effective on sheep, horses, cattle, dogs and poultry.

Prepared by Dr. Hess (M. D., D. V. S.) and sold under a money back guarantee if not satisfactory. One gallon of Dip makes 70 gallons solution. If your dealer can't supply you, order from us direct.

Write for Free Dip Booklet.

Dr. Hess & Clark, Ashland, Ohio.



## This Tool Will Pry Into Anything

Built for rough-and-tumble work. Prying joists, raising floors, wrecking pens and buildings, removing siding, getting "into" and "under" things generally. Greatest nail-puller on earth—pulls them straight, and high as a man can reach. Won't "chaw" or split wood. Pays for itself over and over again in nails and lumber saved.

Farmers, this is your Special tool.  
**BONNER Pry Bars**

are made in two sizes: 14 inch at 75c. and 23 inch at \$1.00. Made from drop-forged special formula steel, finely tempered. Best thing you ever got your hand on. Get one today at your dealer's. If not with him, will ship you direct upon receipt of price, charges prepaid. Send dealer's name. Also makers of Bonner's Farmers' Kits.

C. E. BONNER MFG. CO., CHAMPAIGN, ILL.

## 25 Years of Grand Results

24 Little Ave., Buffalo, N. Y.  
Mar. 7, 1911.  
Gentlemen: I have used your Spavin Cure for twenty-five years with excellent results.  
T. M. Nolan.

## Kendall's Spavin Cure

Keeps legs sound and trim. It will add many dollars to the value of your horse. The old reliable remedy for Spavin, Ringbone, Splint, Curb, Swollen Joints and Lameness. Equally reliable as household remedy. At druggists, \$1 a bottle. Get free book, "A Treatise on the Horse," or write to—

DR. E. J. KENDALL CO., ENOSBURG FALLS, VT.

When writing advertisers, please mention KANSAS FARMER.



## POOR CROP YIELD

No farm can afford to take chances on the year's work and crop being spoiled by water-soaked soil.

Wet land should be tiled. Tile is crop insurance. It is just as reasonable as hail or fire insurance. Write for booklet (not an advertisement) on "Proper Methods and Results of Draining Land," "Hints on Farm Drainage," mailed free, postpaid, by

**HUMBOLDT BRICK MFG. CO.**  
HUMBOLDT, KANS.

## CONCRETE SILOS

The best Silo that can be built. Write for prices for 1912.

**HOPPER & SON,**  
Manhattan, Kansas

## Sale of Unsound Mule.

"If a mule is put up at public sale and it is stated by the owner and the auctioneer that he is sound and the buyer discovers that the mule is parrot-mouthed, can he recover the price paid or can he be compelled to take the mule at the price bid?"

This question comes from a Kansas subscriber and is only one of many such.

If either the owner or the auctioneer makes a statement as to the soundness of an animal about to be sold and this statement proves to be false, the buyer cannot be compelled to take the animal or pay the purchase price. If he has taken the animal and paid the price before discovering the unsoundness, he can recover by due process of law. Selling an unsound animal under guaranty of soundness is fraud which the law does not tolerate. The public statement of the owner or the auctioneer, who is the owner's agent, that the animal was sound at the time of the sale is a guaranty of soundness.

## "Thoroughbred" Hogs.

Many breeders continue to announce that they have "thoroughbred" hogs or "thoroughbred" poultry. There is no such thing as either. "Thoroughbred" is the name of the running race horse, as "standard bred" is the name of the pacer or trotter. Neither of these names belong to or should be applied to any other breed or kind of animals. Just as well talk of "standard bred" hogs as "thoroughbred" hogs. Of course, if your

point of inoculation. The immunity conferred in this way may last for 18 months, but animals vaccinated before they are 6 months old and those in badly infected districts should be revaccinated before the following blackleg season.—C. M. FLEISCHER, Illinois.

## Power Wagon and Horse Expense.

An experiment extending over a period of five years was recently concluded. All the elements of cost of operation were taken into consideration on one, two and three horse-drawn vehicles and on one, three, five and ten ton motor trucks. The resulting comparisons were:

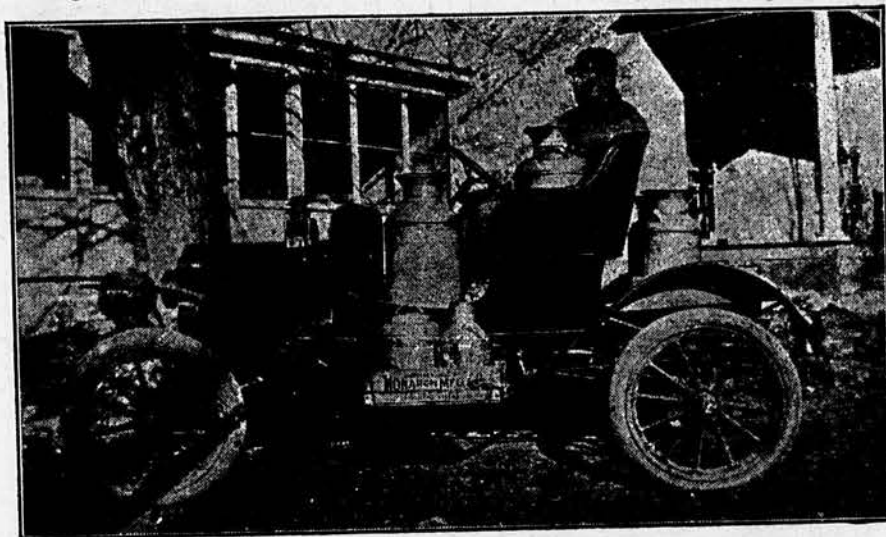
### HORSE-DRAWN VEHICLES.

	Per Day	Miles.	Per Ton
	Cost.	Ton.	Rate.
1 horse.....	\$ 4.00	11	.36
2 horses.....	6.00	30	.20
3 horses.....	8.00	45	.18

### MOTOR TRUCKS.

	Per Day	Miles.	Per Ton
	Cost.	Ton.	Rate.
1 ton.....	8.00	40	.20
2 tons.....	12.00	90	.13
3 tons.....	15.00	125	.12
5 tons.....	18.00	190	.09%

There are various elements which enter into consideration in these matters. For instance, a man whose business could be handled with one horse and a single vehicle could gain nothing by substituting a motor car. But if he is doing a business requiring the covering of a hundred or two or three hundred miles per day, motors would effect a material savings. Putting it on a percentage basis, the one-ton motor car, at an operating expense of \$8 per day, will do two and a half times the work done by a horse-drawn vehicle operated at an expense of \$6 per day. One of the



THIS AUTOMOBILE IS THE GHOSE BOY OF THE FARM—NEVER GETS TIRED AND ALWAYS WORKS WITH PLEASURE.

hogs are really racing animals, these names might be appropriate, but if they are used the track record should also be given. How would Masterpiece 2:04½ or Colossus 2:02 look in print? If the animals are purely bred and registered or eligible to record, the term pure-bred should always be used. If they are purely bred, but for any reason, as the loss of record, the animals cannot be registered, the term "fullblood" should be used. A "fullblood" is just as purely bred and may be just as desirable an animal in every way as a pure-bred, but, as neither the animal nor its progeny can be recorded, they cannot be sold for pure-bred breeding stock. Fullbloods must sell at high quality grades.

## Blackleg Vaccination.

By vaccination we understand the injection into the system of a minute amount of attenuated—that is, artificially weakened—blackleg virus. This virus is obtained from animals which have died from blackleg, by securing the affected muscles, cutting them into strips, and drying them in the air. When they are perfectly dry they are pulverized and mixed with water to form a paste, smeared in a thin layer on flat dishes, placed in an oven and heated for six hours at a temperature close to that of boiling water. The paste is then transformed into a hard crust, which is pulverized and sifted and distributed in packages containing either 10 or 25 doses. This constitutes the vaccine, the strength of which is thoroughly tested on experiment animals before it is distributed among the cattle owners. This vaccine, which is in the form of a brownish dry powder, is mixed with definite quantities of sterile water, filtered, and the filtrate injected by means of a hypodermic syringe under the skin in front of the shoulder of the animal to be vaccinated. The inoculation is usually followed by insignificant symptoms. In a few cases there is a slight rise of temperature, and by close observation a minute swelling may be noted at the

larger Omaha creameries has been using an Avery truck to haul milk between Omaha and Millard every day, including Sundays and holidays, for two years. Carefully kept records show the following results:

Average mileage per day.....	50 miles
Total mileage two years.....	36,500
Gas consumption per day.....	6 gallons
Lubricating oil per day.....	3 quarts
Average tonnage to Omaha.....	3½ tons
Average tonnage from Omaha.....	2 tons
Average time round trip.....	5 hours
Total repair expense.....	\$28.00

It would require two men and six head of horses working ten hours per day to perform the same service this truck is doing.

## Merchants Help Good Roads Cause.

The merchants of Edgemont, S. D., have hit on a novel way to raise funds for improving roads leading to town, which, if universally followed, would make a big difference in the amount of good roads that could be built. It has been ascertained that \$1,500 is annually spent by Edgemont merchants for attractive calendars to give their customers as souvenirs. Most of these are given to farmers. Several of the business men have pooled the amount of their calendar fund and will spend it on making roads.

A reader says he raises Russian sunflowers among his cucumbers and other vine crops and that he has no trouble with bugs. Ever try it? Sunflower are greedy feeders, and a few beans or radishes might fool the bugs just as well, and bring some profit.

## Cheapest Gains On the Pig.

Under ordinary management, the cheapest gains made on the pig are through the mother. So it pays to pamper the mother of a good sized litter and thus force the young.

A skimping on roofing material and paint will put your farm machinery on the scrap pile.

## In steady use for 15 years

THIS Kratzer buggy, owned by Mr. Jeff Thornburg, of Panora, Iowa, has been used as a livery rig for fifteen years. The only repairs worth mentioning has been the setting of one tire. It is still in everyday use and good for many years more of service.

Today Kratzer vehicles are made even stronger than fifteen years ago, with drop forged iron reinforcement at every point of strain. Kratzers are the strongest, most comfortable and most beautiful line of vehicles made. You pay less for Kratzer Quality because you buy near home, and pay no extras, no jobber profits, no transfer charge, and small freight.

## A dealer near you sells Kratzer Vehicles

See his line. Buy of him and take no chances on satisfaction. Write for his name if you don't know. We'll also send free our handsome 56-page Catalog showing 50 styles of Kratzer Vehicles. Write today.

**Kratzer Carriage Company**  
108 W. First St., Des Moines, Ia.

No. 44

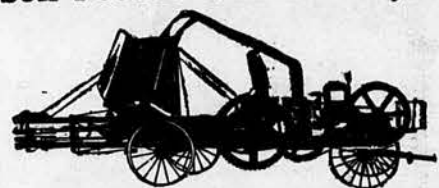


## THE RANSOMERIAN School

Gives expert personal training in Bookkeeping, Shorthand, Civil Service, Higher Accountancy, Penmanship, and all the commercial branches. Normal Penmanship Department under the direction of C. W. RANSOM, winner of the world's first prize for the best lessons in Penmanship. A Ransomerian training puts you in the winning class. School open all the year. Day and Night Sessions. Enroll now. Write or call for particulars. Sample of Favorite Pen and Ransomerian Journal FREE.

**Ransomerian Expert Training School,**  
C. W. RANSOM, Pres., 806 Minor Bldg., Kansas City, Mo.

## Self-Feeder and Self-Tyer



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

**TUTTLE HAY PRESS CO.,**  
609 Main St., Pleasanton, Kan.

## WE TEACH YOU

to operate and repair automobiles in our fully equipped modern shop, giving training in vulcanizing, drill press and lathe practice, qualifying you in 6 weeks. Free catalog. Lincoln Auto School, 2354 O St., Lincoln, Neb.

**\$10.00** Sweep Feed Grinder.

We manufacture all sizes and styles. It will pay you to investigate. Write for catalog and price list.

**CURRIE WIND MILL CO.,**  
Seventh St., Topeka, Kansas

## IF YOU WANT TO SELL YOUR FARM.

Among the more than 60,000 farm homes into which this paper goes every week, there may be a man or woman looking to buy just what you have to sell.

Did you ever notice that every one who wanted to sell his farm, sooner or later found a buyer? When the offer of a farm becomes known more and more, the chances for a quick sale at the desired price get better and better.

You can't make your offer known to possible buyers any more cheaply than through an advertisement in this paper. The cost is small and the value big. Write for special low land advertising price. Address simply Kansas Farmer, Topeka, Kan.

Fibre is more important than pattern in the fabric of life.



## "MEN WHO KNOW" USE THE DE LAVAL CREAM SEPARATOR

Does it not mean a great deal to YOU, the prospective buyer of a Cream Separator, that such men as

Hon. Levi P. Morton, Ex-Vice Pres't United States  
F. L. Houghton, Sec'y Holstein Breeders' Ass'n  
Hon. Whitelaw Reid, U. S. Ambassador to England  
Alfred G. Vanderbilt, of that famous family.  
Hon. W. B. Barney, Iowa State Dairy Commissioner  
C. F. Smith, Master Vermont State Grange  
Norman B. Ream, of the Pullman Palace Car Co.  
Wm. MacKenzie, Pres't Canadian Northern Railway  
S. S. Carvalho, Manager the Hearst newspapers  
Hon. Seth Low, Ex-Mayor of New York

and many others like them, good dairy farmers as well as great leaders in every sphere of human endeavor, each of whom is possessed of much personal experience and a thousand authoritative sources of separator information, are among the 1,375,000 satisfied users of DE LAVAL Cream Separators?

It's always a wise policy to profit by the experience of others.

**THE DE LAVAL SEPARATOR CO.**

NEW YORK CHICAGO SAN FRANCISCO SEATTLE



**For Pots & Pans**

**Old Dutch Cleanser**  
Chases Dirt

Cuts the grease and burnt-in food crusts in a jiffy—leaves utensils like new.

Many other uses and full directions on large Sifter-Can 10c

## Tested Seed Corn!

**"Boone County White," Finest In the World**

My Seed Corn is grown under special contract by one of the best known and most successful growers in the West. Write quick for circular and prices. Quantity limited this year. Get your supply before the BEST is all taken! MY TESTED seed corn brought first prize State Corn Show at Manhattan, Kan., last two years; first at State Fair, Topeka, Kan., two years; Copper Ear Prize at Topeka, Kan. I sell the very best and most carefully tested seed corn at lowest prices. My prize-winning stock consists of "Boone County White," "Silver Mine," "Reid's Yellow Dent," "Perfect Golden Beauty," and "Zimmerman's 80-Day"—the earliest large corn in the world! Write today for illustrated catalogue. Address

**ZIMMERMAN SEED CO., 625 Quincy Street, TOPEKA, KAN.**

# DAIRY



The hand separator should be kept in a clean, dry place. It will run easier and wear longer by so doing.

The sweet cream sold each year by Kansas farmers to the ice cream factories for ice cream making has a valuation of \$300,000.

The milch cow should produce at least one pound of butter fat per day during her milking period, which should extend over at least ten months of the year. This is not too much to ask of her.

Keep the hand separator bearings clean and well oiled. Such will save enough to justify the spending of a half hour every two weeks at flushing the bearings with kerosene, which cuts out the grit.

Last week's KANSAS FARMER was pretty much given over to dairying. As reported in that issue, much good dairy material was held over. This will appear in succeeding issues. This week we cannot devote more than the usual department space to dairying.

The cow has not had as good chance as she deserved during the past winter of high butter fat prices because of the feed scarcity in many localities. It will pay to provide for the milch cow. She can't make milk without feed. A silo will help the feed situation immensely.

The ability of some cows to produce more milk than others from the same quantity of feed is not disputed. Watch the producing ability of the cow and keep for the dairy the heifer calves from those cows which give you the most for their feed.

The approximate value of skim milk produced by Kansas milch cows every 12 months is \$600,000, figuring the skim milk at 10 cents per 100 pounds. It is easily worth two times as much. Are you giving the old cow credit for the calf and pig feed she produces?

The casein in milk and the white of the egg are both pure protein. The cow can put the casein in her milk only through the protein in her feed; the hen can make the white of her egg only from the protein in her feed. Some owners withhold it from both, and then wonder why cows do not give milk and why hens do not lay.

The Babcock test is reliable. Like any other test or thing, it means little or nothing when not properly handled. Every person testing milk or cream for commercial purposes is licensed for competency by the dairy commissioner of Kansas. If you are in doubt, ask to see his permit. If he is authorized by law to use the Babcock test he has such permit.

The principal defects found in cream are flavors foreign to milk and cream, such as vegetable flavors, barn odors, etc., and to high acid—the latter meaning too sour. Keep the cream in a pure atmosphere to avoid flavors and odors and cool to the temperature of well water and hold it there to keep it from becoming too sour.

KANSAS FARMER's campaign for the protection of butter against the fraudulent sale of oleomargarine is progressing nicely, thank you. That campaign created some stir, believe us. Word from the Dairy Union officials at Washington is to the effect that petitions and letters came onto Kansas congressmen like an avalanche and caused them to take notice of the Kansas situation. Have you done your share?

The use of dairy blood in Kansas herds has extended to practically all parts of the state. The beginning has been made. The start will soon leaven the entire state. KANSAS FARMER last week printed the letters of a large number of farm dairymen. Several good and typical examples of building up a dairy herd by grading up with a dairy bred bull and

selecting the best heifers were given. These instances are sufficient to prove the practicability and the advantages of such method.

The average cow of the corn belt kept for dairy purposes produces about 125 pounds of butter fat. Such a production is netting little profit for the farmer. By using stock bred from large producers it would not be difficult to increase the average yield up to 250 or 300 pounds of butter fat per year. This would increase the profit several hundred per cent, and would go a long way towards building up the most profitable agriculture this state has seen.

Every day now hundreds of calves are coming into the world. They are not arriving under especially favorable conditions, either. The mother's milk is in demand for the cream check it will bring, but the calf deserves, and your pocketbook requires, that it get a good start in the world. A gallon of whole milk a day for two weeks will give the calf a good start preparatory to a ration of skim milk and grain. Give the calf an opportunity to learn to eat early in life. The way he takes hold will surprise you. Do not overlook giving him a chance to get what water he will drink.

With the dividing up of the farms, intensive methods will be used, and as dairying is intensive in nature, it will naturally find favor with the small farmer. The better the cow the greater the profit. Therefore the tendency will be to not only handle heavy producing dairy stock, but to handle the best of the specimens. There are without doubt ten animals of dairy breeding in the country now where there was one or two ten years ago, and if this increases, it will not be many years before the milk and butter of the country will be largely produced by dairy-bred animals, and not by grades and common stock.

Yellow oleomargarine is "more tempting" not because of any distinctive beauty in yellow, but because yellow is the color of butter. The oleomargarine people want to color their product, and yellow only, because they can make more money out of it if it counterfeits butter and can be sold as butter. The oleomargarine manufacturer does not care to use the color of the strawberry, prune or creme de minthe, but he wants to counterfeit butter. He is willing to pay hundreds of thousands of dollars to get that opportunity. See that he does not have a chance to counterfeit butter by having the feet of your congressman planted firmly on a platform of a square deal for butter. If you have not written each of your congressmen, do so today.

There are two methods of treating the hard-milking cow. One is to use the teat plug. These are merely plugs made so that they may be inserted in the end of the teat, where they remain between milking periods. The reason a cow milks hard is because the sphincter muscles which contract the end of the teat are rigid. The teat plugs remaining in the teat between milking hours have a tendency to gradually distend and dilate this muscle in such a way that the cow gradually becomes easy to milk. The second method is to cut the teats, thus weakening the sphincter muscle. This is accomplished with a teat slitter. It is an instrument that is inserted into the teat and by pressing the end small knives are pressed out in such a way that when the teat slitter is withdrawn the muscle is severed. The editor would dispose of the hard milking cow in preference to the practice of either method, unless the cow was valuable for her offspring. You can't afford to fool with a hard milking scrub.

It is the experience of good dairymen that the greatest economy in feeding the dairy cow results when a liberal ration is supplied the animal, since a certain amount of feed is always required for the maintenance of the animal.



# THE FUTURE OF LIVE STOCK.

(Continued from page five.)

not worth his time. Pure-breds or high grades are the only kinds on which he can hope to make money, and until he arrives at a reasonable appreciation of this fact the cattle business cannot go forward. Pure-bred cattle of any one of the beef breeds ought to be worth at least as much as good horses and, if they are handled right, they will be. One of the first steps in this direction will be the use of better bulls, and their continued use for longer periods. Few people seem to think of the fact that most of the cattle of this country are sired by 2-year-old bulls or younger. Almost every request that comes to me for information about breeding bulls specifies that the animal shall be young. Of course, there is reason in this, as it gives the purchaser a longer use of the animal, but there is no ryme or reason in fattening bulls at 4 or 5 years and before their progeny is sufficiently mature to determine their quality. The question of good sires is easily settled, even by the small farmer. If he thinks he cannot afford to buy the quality he wants, he can interest his neighbors and engage in community breeding. Community buying, through the Grange and other organizations, has been in successful operation in Kansas for many years, and community selling of farm products is becoming more and more of a success. Then why not community breeding? It is successful in other states and has brought prosperity wherever tried. It will here.

The most important question before the Kansas farmer today is that of live stock and the improvement of its quality. There never is a time when it is not in demand and there never was a better time to engage in the breeding and raising of good cattle than right now, if the signs of the time count for anything. But remember that price alone does not make quality, nor does pedigree, but both are an index of it. Buy foundation stock from animals of known records of performance, pay a good price for a good animal and then feed it. You will make money.

## Average Over \$50 Per Head.

My cows are a mixed lot, some Jerseys, some Durhams, and some mixed with both breeds. Have never tried any special breed for milk.

I feed stuff of my own raising, which consists of silage, alfalfa and corn fodder. I give them a warm breakfast of silage, then turn them out and at noon give them fodder to pick at, then at evening again give them silage with alfalfa to eat at through the early part of the night.

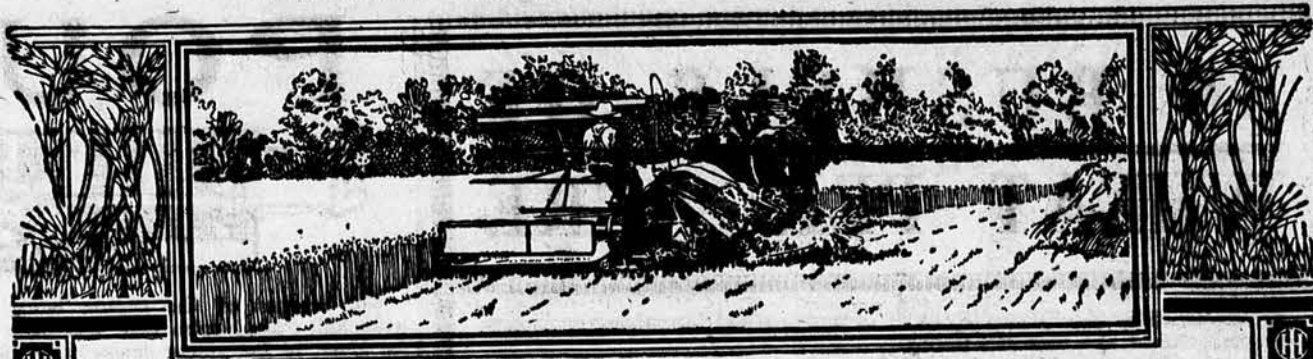
I have not done as well this year as I did in 1910, from the fact that our hay crop was very short, and I fed, I think, too much silage and not enough alfalfa. Last year, or 1910, I had plenty of alfalfa, and they were in a much better condition and made me an average return of \$55.50 per head, while this year they have only made \$50.00 per head average for the year. This does not include the calves in either case. Alfalfa and silage make an ideal feed, and the lack of alfalfa I think accounts for lack of return in money as against 1910.

I veal all my calves, raising them on skim milk, silage and hay. They do not make as good veals as they do running with cows, but with the butter fat from the cow the eight weeks that it takes to veal the calf on the cow, and the calf raised by hand, I get a very good return. A veal at from six to eight weeks old will bring \$8 to \$10. The Jersey calves bring less than the others as a rule.

I am well pleased with silage and results obtained from feeding it. I consider it the cheapest feed a farmer can put up, and the best, but of course you must use other feeds with it in order to have what they call a balanced ration.—W. H. RIGGS, Baldwin, Kan.

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

It pays to buy the best, but don't invest good money and then neglect the old and young stock or you will be disappointed.



## The Wheat Harvest Is Everybody's Business

MORE than a hundred million people await the report from the wheat fields. Everybody is interested. A good harvest means prosperity to all. It means more than prosperity to the man whose work lies in the city or town; to him it means existence. Two-thirds of our people depend absolutely upon the other third for the very bread they eat. Truly, the wheat harvest is everybody's business, a matter of the deepest concern to us all.

Fortunately the farmer's reward for his work in the wheat fields is reasonably sure. Scientific preparation of the soil and seed bed, rotation of crops, selection of seed, and the use of high grade farm machines, have made a good crop almost an assured fact. For work of such importance the best machines that can be made are absolutely necessary. The harvest time is short; every minute is important; delay is intolerable and expensive. The choice of machines to harvest your growing crop is your most important duty. Make your investigation thorough and complete and you will decide that the harvesting machine for you is one of the world-famous I H C line:

count of a broken part may cost you more than the price of a new binder. When you buy an I H C machine you buy it with the assurance that any needed part is no further away than your dealer's place of business.

This service does away with all unnecessary delay in the field and assures you a full harvest garnered in good season. This fact in itself is a strong reason for the purchase of an I H C harvesting or haying machine or tool.

The experience of many farmers for many years points to one of these machines as the one best buy for a man whose profit lies in the successful harvesting of a small grain or hay crop. I H C machines have been tested thoroughly under every harvest field condition, and have made good in every test. You are not asked to make any experiments, the experimenting has all been done. You take no risk, I H C experience has provided against all risks. With an I H C machine you are safeguarded against all harvesting chances except those of the weather, and very largely against them.

Of next importance to the choice of a machine

### Champion Deering

One of these will meet your harvest conditions better than any other machine made, because they have been developed in just such fields as yours. Improvements have been added year by year until I H C machines are practically perfected. They cut equally well, short, tall, standing, down, or tangled grain. They have been simplified until anyone can handle them safely and efficiently.

Because the harvest time is short and delay expensive, and because accidents to farm machines can never be foreseen, we have been careful to provide a stock of interchangeable repair parts where you can lay your hands on them at once if they should ever be needed. In choosing your harvesting machine do not overlook this most important feature. A day's delay on ac-

### McCormick Milwaukee

### Osborne Plano

is the buying of binder twine that will work without waste or trouble in that machine. Here again we have arranged to supply your needs with the best twine that can be made. Take your choice of seven brands—Champion, Deering, McCormick, Milwaukee, Osborne, Plano, or International, all made in four grades—Sisal, Standard, Manila, and Pure Manila.

See the I H C local dealer and discuss with him the machine and twine you should buy. It is his business to help you decide right. You can rely on what he tells you about I H C machines. If for any reason you prefer to have us do so we will send you catalogues. A post card will bring them.

## INTERNATIONAL HARVESTER COMPANY OF AMERICA

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Two best varieties, yielding 10 to 20 bushels more per acre. Write for prices, and place orders early.

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SEED CORN First prize six consecutive years at Manhattan—State Corn Show—proves I have best strains Seed Corn in the West. Reid's Yellow Dent, Boone Co. White. Write for free catalog. S. G. Trent, Box K, Hiawatha, Kansas.

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accomplished by the "Henry System," a new method for raising enormous crops in wheat, rye, oats and barley.

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Wheat: 58, 59½, 59 bushels per acre with ¾ bushel seed  
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Every large or small farmer can handle the "Henry System," by using the usual implements and his own harvested seed.

No more weeds, no extra expenses, no experiments, but easy work.

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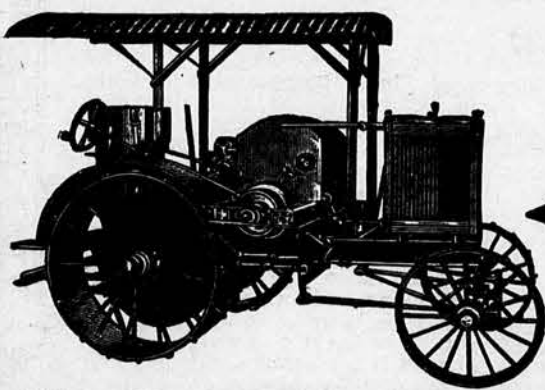
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**Model O  
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**All-Purpose Tractor**

**A Practical Machine for Average Size Farms**

<b>4 Cylinder Vertical Engine</b>	<b>3 Speeds Forward and Reverse</b>
<b>30 H. P. at the Brake</b>	<b>One Man Can Handle</b>
<b>15 to 20 H. P. at Draw Bar</b>	<b>Weights Less—Pulls More</b>

The Model O "Quincy" is the machine for everyday use on farms of 160 to 300 acres. Weight only 6000 pounds, yet it pulls four 14-inch plows and easily does the work of 12 horses. It is equally adapted to farm, road or belt work. Just what threshermen want to operate separators, clover hullers, shredders, large hay presses, etc. We have combined power and light weight and built for guaranteed service. Look into what it means for you. See your dealer or write us for Catalogue No. 19.

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**WANTED!**

I want 10 men or more in every township to write me quick for a special offer on the sized engine they need. When you get this offer you'll buy. I make it practically irresistible. Then everybody in your neighborhood will know the truth about Galloway—his quality and savings—and all will understand the foolish tales the dealer tells in order to get his big price and personal profit.

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You'll soon see the reason for the really funny things that dealers say of Galloway—"Galloway has no factory"—"Galloway's pretty near broke"—Galloway's stuff is poor quality—those are a few of their stories. But I'm going to call their bluff and make such prices to 10 or more men in every township that will bring the orders and show up the dealers' "jokes" in their true light. In the meantime I'm getting hundreds of letters like this: A. L. Westphal, St. Francis, Minn., writes: Last winter I investigated 5 or 6 different engines on the market, but I bought the Galloway, and I am very well satisfied with it. I have saved at least \$100.00 on it.

Write quick for Big Engine Catalog and special prices. I'll also send my fine new General Line Catalog in five colors.

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# POULTRY



On account of the season being so cold and damp, extra care will have to be given to the young chicks when they arrive.

A warm brooder should be provided for the chicks, or, if under a hen, they should not be allowed to wander too far away from the mother hen.

Dampness is fatal to chicks, hence they should not be allowed on the wet ground, but boards should be provided for them to exercise and run about on.

Try dry feed for your chicks this season and see if they do not thrive better than when fed all kinds of sloppy and wet foods.

Cracked wheat, cracked Kafir corn, pinhead oatmeal and millet seed mixed together makes an excellent ration for young chicks. Small sized grit and charcoal should be kept before them at all times.

If dry bran is kept in a hopper where the chicks can get it at any time, you will be surprised at the amount they will eat, outside of their general rations of grain.

And this dry bran is good for them, and they thrive upon it. Their systems seem to require some bulky food, as well as the concentrated grains. Alfalfa leaves or alfalfa meal is a good substitute for bran.

It would seem hardly necessary to state that pure, fresh water should be accessible to the chicks at all times, but it is oftentimes neglected, and when water is given them they gorge themselves with it to their injury.

While water at all times is necessary for the good health of the chicks, it should be in a vessel or fountain where the chicks cannot get into it to slobber or get wet. To keep them warm and dry is to keep them healthy.

Exercise is essential to the well-being of the young chick as well as to the adult fowl. Some millet seed scattered in the litter of the brooder will keep them busy. This litter should be alfalfa leaves, cut clover or finely cut hay.

After all this is done, remember that all of it may prove ineffectual if you neglect to keep the brooder clean. Absolute cleanliness is necessary in the successful raising of chicks, and without it everything will prove ruinous and disastrous.

We are conscious that we have advised most of these things before, and it would seem at times that the constant reiteration of these duties would be superfluous. But the Good Book tells us that in the morning we should sow our seed and in the afternoon not to withhold our hand. Our duty would seem to be similar to the minister's, to preach in season and out of season. And though the same doctrines are taught now that were taught in the Sermon on the Mount, they never become too old or too tedious to be repeated. The oldest of us poultrymen need a reminder of our duties every season, for we are so prone to forget and to neglect them that only a constant repetition will enable us to perform them.

### White Diarrhoea.

Dear Sir: I see reports of so many losing their little chicks with bowel troubles, so thought I would tell my experience. I used to lose a great many of my little chicks from this cause, tried a good many remedies and was about discouraged with the chicken business. Two years ago they began to die and I thought I would try Walker's Walko Remedy. I used two 50c packages, raised 300 White Wyandotte chickens and never lost one or had one sick after getting the medicine. Readers can get it by sending 50c (M. O.) to the Walker Remedy Co., E. 8, Lamoni, Iowa. I wouldn't try to raise incubator chicks without it. — Mrs. C. M. BRADSHAW, Beaconsfield, Iowa.

### Fertility of Eggs.

In last week's KANSAS FARMER, in answer to an inquiry relative to getting pure-bred eggs, you stated that the influence of the male lasted from ten to fourteen days, and advised keeping chickens separated for three weeks before saving eggs for hatching. According to my experience four weeks would be nearer the mark.

One experiment I worked out as follows: Took 20 White Leghorn pullets that had been without a male for several months and placed them in a pen with a Light Brahma male for ten days. Removed the male and after 20 days placed a White Leghorn male in the pen. After ten days, making 30 days from removal of Brahma male, I set 15 eggs laid that day; the next day 15 more, and the next day another 15. I got 11 chicks from the first setting, five of which showed Brahma blood; 14 from next setting, one showing Brahma; nine chicks from third setting, none showing Brahma. So I concluded that it was not safe to save eggs for hatching from hens that had been with different males than the one wanted to breed from, short of 32 days.

This experiment suggested to me that one service of the male must fertilize several eggs, so to test it I selected a hen from each of five varieties that had been several months without a male and allowed them one service each every 30 days from a vigorous Leghorn male. For 90 days I trap-nested these hens and incubated all the eggs, using pedigree trays. These hens were all laying from the start, which gave me a fair test. The eggs proved fertile from the third to the nineteenth day from service. The first two or three laid were never fertile, and in two instances none were fertile, because I had bred the hens before they had laid their egg for that day.

I have mated birds in pairs and trios, and in flocks of from 25 to 50 hens to one male, and have found as large a per cent of fertility from the flocks as from the pairs and trios, so have concluded that a great many more old roosters are kept around than is at all necessary, and yet I am not a suffragette.—W. A. LAMB, Manhattan, Kan.

[Mr. Lamb at one time was assistant superintendent of poultry at Manhattan Agricultural College, and whatever he says on poultry matters is of value, for it is the result of actual experiments.—EDITOR POULTRY DEPARTMENT.]

### One Breed Is Enough.

One breed of fowls is enough for anyone, fancier or farmer, and especially for the latter. Sometimes a fancier wishes to have more than one breed, thinking he can make more money by having several breeds, though we think he is mistaken. But in the case of the farmer it is different, for as a rule he raises his poultry for market and for eggs, and not to sell them as fancy poultry. If one has a large number of fowls, all of one breed, there is a great saving of fences and space, as there will be no danger of contamination should they be allowed to run at large. The uniformity of the flock in color, size and general characteristics, lessens the labor required, as one can more easily understand how to manage one breed, for breeds differ, and the best mode for one may not be suitable for the other. Better prices can be secured when a coop of chickens is sent to market containing a uniform lot, and the eggs from one breed will also be more uniform. When two breeds are kept they will soon become mixed and cross-bred, as it takes quite some care to keep them separated. The result is that the breeds degenerate into scrubs. As we have frequently stated, just as soon as the farmer or poultryman begins to cross pure breeds his flock becomes scrubs. There is no necessity for crossing or keeping two breeds. A single breed kept up in vigor by careful selection will remain pure and uncontaminated, and will not only give more satisfactory results, but also more pleasure to the proprietor.

Much is written in regard to selecting the best layers among the hens, but there is more damage done or benefit derived to the flock by the use of a single



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WHITE PLYMOUTH ROCKS



Best All-Purpose Fowls in Existence.

White P. Rocks hold the record for egg laying over all other breeds. 280 eggs each in a year for eight pullets is the record, which has never been approached by any other variety. I have bred W. P. Rocks exclusively for 20 years and have some fine specimens of the breed. I sell eggs at "live and let live" prices, \$2 per 15, \$5 per 45, and I prepay expressage to any express office in the United States.

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Double cases all over; best copper tank; nursery, self-regulating. Best 140-chick hot-water Brooder, \$4.85. Both ordered together, \$11.50. Freight prepaid (E. of Rockies). No machines at any price are better. Satisfaction guaranteed. Write for book today or send price now and save waiting.

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# SAVE YOUR CHICKS.

We can help you. Send names and addresses of ten poultry friends and receive our 32-page book on WHITE DIARRHOEA, the greatest foe to chick life. This book makes poultry profits possible. Gives care and feeding of chicks; also gives cause and guaranteed cure for bowel trouble. Above book and sample of F. K. Tablets FREE, postpaid, for the names. Write today. The value will surprise you.

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What is the use to go to the trouble to hatch chicks and then let them die? Thousands of chicks have been saved by feeding "THE OTTO WEISS CHICK FEED." Why don't you save yours? It is a scientifically prepared balanced ration, not an experiment, but on the market for over ten years. Insist on your dealer furnishing you with the best. THE OTTO WEISS ALFALFA STOCK FOOD CO., Wichita, Kan.

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that has made ABILENE FAMOUS. Fifteen eggs, \$5. "YOUNG'S" Strain White Leghorns, 15 eggs, \$8. "LUSTROUS" Black Cochins Bantams, 15 eggs, \$1.50.

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# "RINGLET" BARRED PLYMOUTH ROCKS

have won more prizes at the leading shows of America than all others, which stamps their superior quality. I now have the finest lot of exhibition and breeding birds I ever owned. Eggs from the world's best exhibition mating, one setting \$4; two settings \$7.50. F. R. Green, Lake City, Iowa. One of the oldest breeders of Barred Rocks in the west. At it over twenty-five years.

male than from a dozen hens. After the hatching season has passed and the chicks are well under way, they present a very unfavorable appearance on farms, being of all colors, shapes and characteristics. This could all be avoided if but one breed of fowls were kept. This diversity in the flock is not due to the keeping of a large number of hens together, but to the use of cross-bred males or to having two or three males of different kinds with the flock. The majority of farmers who place eggs under hens for hatching do not know what kind of chicks will result, but must wait until hatching time is over, only to find that no two chicks are alike in any respect. It is useless to attempt to improve a flock unless the hatching of the chicks becomes a matter of care. Every egg placed under a hen should be known to have come from selected hens that are mated with a pure-bred male of desired characteristics, and in hatching out a lot of chicks there should always be a certain object in view. It will not pay to hatch a large number of chicks and then depend on selection of the best pullets, as there is no possible way of knowing what the poultry will be when matured. The only way to have good layers is to breed for them, and to neglect to do so may occasion the loss of a large number of eggs in a year, if the flock is above the usual number.

# SPANISH PEANUTS.

Continued from page six

soaked and unshelled, dropped 12 to 14 inches apart in the row.

Where a large acreage is planted a special peanut planter is used. With a small acreage the planting is done with a corn drill or a lister, taking blank plates and having them bored to fit the seed and the desired distance. The soaked seed must be put in moist soil. When planted in a dry soil the soil absorbs the moisture and the seed is ruined. One bushel of seed in the shell will plant an acre of ground at the distance mentioned.

# CULTIVATING THE PEANUTS.

The peanuts need frequent shallow cultivation. The cultivation should begin as soon as the rows can be followed, and should be continued at frequent intervals up to the time of blossoming. After the pods begin to form the vines should not be disturbed. Any cultivator suitable for thorough shallow cultivation of corn is right for peanuts.

Where peanuts are to be gathered by hogs, the tops may be cut with a mower, cured in cocks and then put in the stack or barn the same as clover or alfalfa. Peanut hay made in this way is very palatable, has about the same feeding value as hay from red clover, and has the same laxative and other feeding characteristics as alfalfa hay. The yield is one to two tons to the acre in the south, and one-half to one ton in the dry farming sections in ordinary seasons.

The entire peanut plant, vine and pods, harvested and cured for hay, containing according to analysis of the United States Department of Agriculture, 18.4 per cent of protein, 40 per cent of carbohydrates, and 21.5 per cent fat, it is the hay to produce for feeding horses, mules, colts, beef and dairy cattle, growing cattle, hogs, sheep and poultry. The composition will, of course, vary with the proportion between vines and pods. A two-horse plow with moldboard removed may be used to lift the vines. Shake the plants free from the soil and throw them in bunches, afterwards gathering them together in large cocks for curing.

After curing, the plants may be stacked or stored in the barn, same as alfalfa. This hay composed of the whole plant—tops and nuts cured together—is richer than alfalfa, more appetizing than corn, forces the cow to her highest milk yield, keeps her hair soft and glossy, saves a large amount of grain, and reduces the cost of producing both milk and butter fat.

W. E. Taylor, Moline, Ill., reports that a dairy herd of pure-bred cows were fed a ration of ensilage and grain that secured a high yield of milk. All the grain was taken away and the hay from the whole peanut plant, vines and nuts cured together, substituted. It was found that it was practicable to reduce the daily ration of silage one-half. The cows increased in yield of milk 12½ per cent.

In the Panhandle of Texas—in 1910, the driest year since the country has been settled, a stockman pastured a large acreage of ripe peanuts with hogs and made a gain on the hogs of 1,023 pounds for each acre pastured.

# With the Fairfield Incubator MAKE UP LOST TIME HATCHING CHICKS



90% hatches Guaranteed

The sure way to poultry yard profit, after this unusual backward season, is by the use of FAIRFIELD Incubators. No matter if you never saw any kind of an incubator before, the FAIRFIELD will not fail you. Prices are low. You do not need to mortgage your poultry prospects, even for one season, to own a FAIRFIELD outfit.

You take no risk in buying one. I do that. I guarantee your success. Have done it for all the rest of my thousands of customers. You ought to hear what they say about the FAIRFIELD'S work this spring.

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Black Minorca Pullets and Cockerel; White Leghorn Cockerel (prize winner), and Pullets; White Rocks; Rhode Islands Reds.

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Attention of our readers is called to the advertisements of Fitz Overalls which have been appearing in Kansas Farmer twice a month for the past two years. It is impossible to look through the paper without noticing the cleverly gotten up ads which feature a large, well-fed, full-cheeked man with a smile of satisfaction on his face and wearing Fitz overalls and a Fitz jumper. Fitz overalls are sold on quality as being the best and most dependable overalls made. Fitz is all quality and made to wear so well that any reader of Kansas Farmer who once uses these overalls will always demand from his dealer Fitz overalls and accept no other make as a substitute. Fitz overalls are manufactured by Burnham-Munger-Root Dry Goods Co., Kansas City, Mo., and sold by them throughout the west to dealers in every city, town and village. If you wish to know more about Fitz overalls write for the Fitz book, which is sent postpaid on request, and mention this paper.

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# HOME CIRCLE



Duty makes us do things well, but love makes us do them beautifully.—  
PHILLIPS BROOKS.

Every duty we omit obscures some truth we should have known.—JOHN RUSKIN.

When finely chopped nuts are needed for cake, salads or sandwiches, run the nuts through the food chopper.

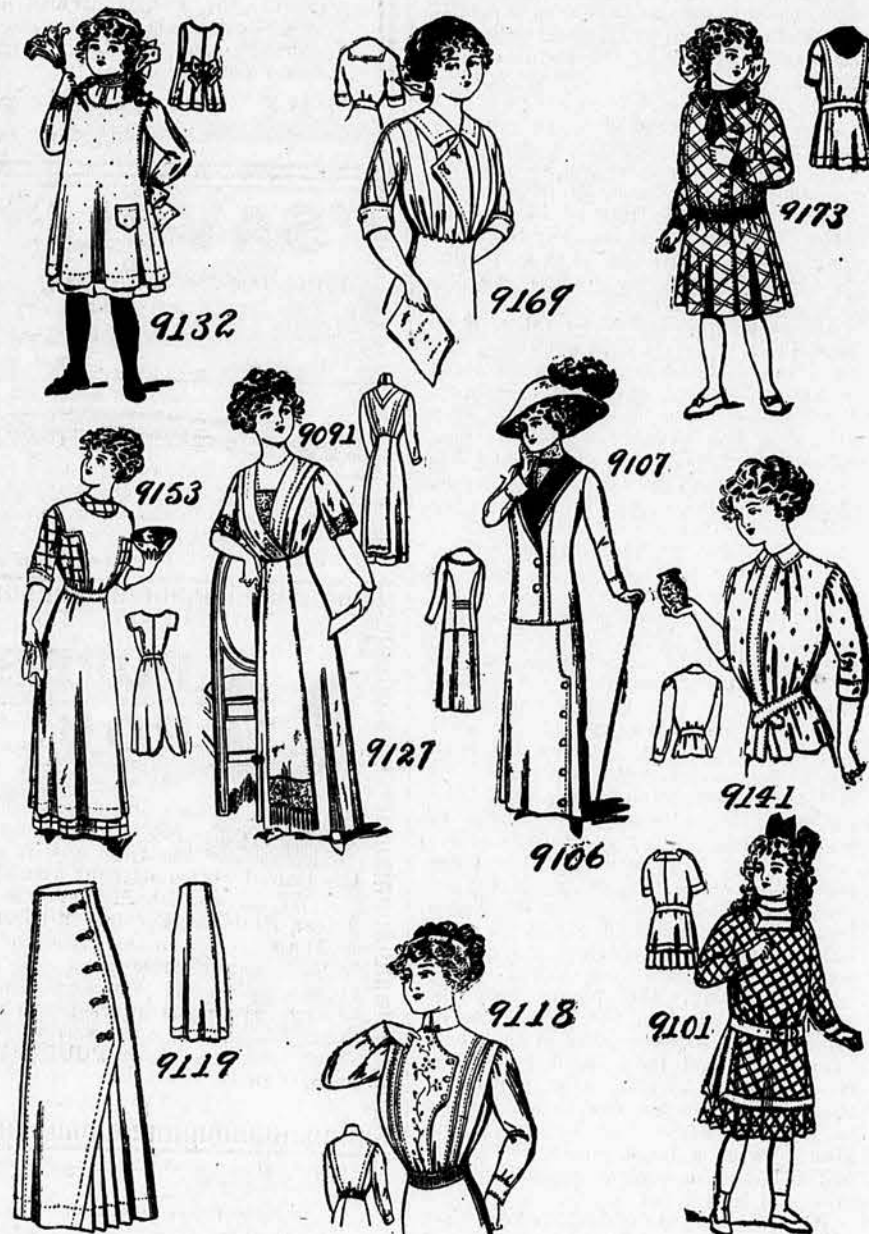
It is said that if a small quantity of bluing is added to the water when washing windows that their appearance will be greatly improved.

By rubbing nickel and silver ornaments with a woolen cloth saturated with spirits of ammonia, they may be kept very bright with but little trouble.

If shoes have been wet, don't attempt to dry them near the stove. Rub in plenty of vaseline or plain lard, and let them stand in a cool place until thoroughly dry, and much of the original oil will be restored.

French chalk and powdered magnesia is good for cleaning white beaver hats. Rub the mixture well into the beaver, cover with tissue paper and put away for a day or two, then brush and shake out. If not thoroughly clean, repeat the process.

Too few housekeepers give sufficient thought to the appearance of their kitchen. There isn't any reason why this room should not be made as bright and attractive as other rooms in the house. In fact so many hours of the day are spent there that it is important to make it so. If this is done much of the unpleasant side to the labor will be eliminated. In the matter of wall covering many use oilcloth. This comes now in many attractive patterns, resembling tiling. Some paint the walls with a good oil paint. In either case, then, the walls can be washed and kept clean and sanitary. Have simple white curtains at the windows, and cover the shelves and work tables with plain white oilcloth. The choice of cooking utensils has much to do with the appearance of the kitchen. There are so many attractive and useful things to be had now that buying things for the kitchen is a genuine pleasure to most housekeepers. The aluminum ware is splendid, and while it seems expensive, it lasts so much longer than some things it is probably cheaper in the end. But if you are buying enameled ware, choose some particular color and have everything alike. The turquoise-blue and white, or all white showing an edge either of light or dark blue, is attractive. If these little details are looked after the room cannot fail to be inviting and the care of it will be a pleasure.



9132—Girl's Apron: Cut in sizes 3, 5, 7 and 9 years. Requires 2½ yards of 36-inch material for the seven-year size. 9169—Misses' Waist: Sizes, 14, 15, 16, 17 and 18 years. It requires 2½ yards of 36-inch material for the 16-year size. 9173—Girl's Dress: Sizes, 6, 8, 10 and 12 years. It requires 3½ yards of 36-inch material for the eight-year size. 9153—Ladies' Apron: Sizes, small, medium, large. It requires 3½ yards of 36-inch material for the medium size. 9091-9127—Ladies' Costume: Waist 9091 cut in sizes 34, 36, 38, 40 and 42 inches bust measure. Skirt 9127 cut in sizes 22, 24, 26, 28 and 30 inches waist measure. It requires 7½ yards of 40-inch material for the entire costume in a medium size. This illustration calls for two separate patterns, which will be mailed to any address on receipt of 10 cents for each pattern. 9107-9106—Ladies' Coat Suit: Coat pattern 9107 cut in sizes 32, 34, 36, 38, 40 and 42 inches bust measure. Skirt pattern 9106 cut in sizes 22, 24, 26, 28 and 30 inches waist measure. Requires seven yards of 44-inch material for a medium size. This illustration calls for two separate patterns, which will be mailed to any address on receipt of 10 cents for each in silver or stamps. 9141—Ladies' Dressing Gown: Cut in sizes 32, 34, 36, 38, 40 and 42 inches bust measure. Requires 3½ yards of 36-inch material for the 38-inch size. 9119—Ladies' Four-Gore Skirt: Cut in sizes 22, 24, 26, 28 and 30 inches waist measure. Requires 5½ yards of 36-inch material for the 24-inch size. 9118—Ladies' Shirt Waist: Cut in sizes 32, 34, 36, 38, 40 and 42 inches bust measure. Requires 2½ yards of 36-inch material for the 36-inch size. 9101—Girl's Russian Dress: Cut in sizes 8, 10, 12 and 14 years. Requires five yards of 27-inch material for the 12-year size. The price of these patterns is 10 cents each.

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You desire to increase your yield per acre? Certainly! When you plant Acorn Brand Kansas grown Seed Corn you have well matured Seed of high vitality which produces heavier yields than Corn grown farther North. Our 1912 Seed Book describes the different varieties—it's free—ask for it.

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CHOICE KAFIR CORN SEED—Threshed. Giant Black Hull, White or Red. Stored in head; never been hot. Satisfaction guaranteed. Price, \$1.50 per bushel, sacked, delivered on cars. H. W. Smith, Buxton, Kan.

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Ask your dealers for brands of goods advertised in KANSAS FARMER.

### The Exile of Erin.

There came to the beach a poor exile of Erin,  
The dew on his robe was heavy and chill,  
For his country he sighed when at twilight repining;  
To wander alone by the wind-beaten hill.  
But the day star attracted his eyes' sad devotion;  
For it rose on his own native isle of the ocean,  
Where once, in the flow of his youthful emotion,  
He sang the bold anthem of Erin go Bragh.

O, sad is my fate, said the heart-broken stranger,  
The wild deer and wolf to covert can flee,  
But I have no refuge from famine or danger,  
A home and a country remain not for me!  
Ah, never again, in the green shady bower  
Where my forefathers lived, shall I spend  
The sweet hours,  
Or cover my harp with the wild-woven flowers,  
And strike the sweet numbers of Erin go Bragh!

O, Erin, my country, though sad and forsaken,  
In dreams I revisit thy sea-beaten shore;  
But, alas! in a far foreign land I awaken,  
And sigh for the friends that can meet me no more;  
And thou, cruel Fate! wilt thou never replace me  
In a mansion of peace, where no perils can chase me?  
Ah, never again shall my brothers embrace me!

They died to defend me, or live to deplore.  
Where now is my cabin door, so fast by the wildwood?  
Sisters and sire did weep for its fall,  
Where is the mother that looked on my childhood?  
And where is my bosom friend—dearer than all?  
Ah, my sad soul, long abandoned by pleasure!  
Why did it dote on a fast-fading treasure?  
Tears, like the rain, may fall without measure,  
But rapture and beauty they cannot recall.

But yet, all its fond recollections suppressing,  
One dying wish my fond bosom shall draw;  
Erin, an exile bequeaths thee this blessing,  
Land of my forefathers, Erin go Bragh!  
Buried and cold, when my heart stills its motion,  
Green be thy fields, sweetest isle in the ocean,  
And the harp striking chords sing aloud  
With devotion,  
Erin mavourneen! sweet Erin go Bragh.

Threads and hairs are always difficult to sweep up, but if the broom is brushed around and around lightly instead of straight along, the threads will be formed in a ball and may easily be picked off the broom.

Every housekeeper, I presume, has found cleaning spiral bed springs a tedious performance. It may be easily accomplished by the use of a dish-mop, and one should be kept just for this purpose. First get the dust out of the springs with the dry mop. Then dampen it and go over the springs a second time.

The winters of Peking, China, are intensely cold—zero being familiar, and even lower degrees—although the high walls surrounding the city protect it somewhat from the ice cold tempests.

### He Did!

The hour was late and the young men at the dance had removed their gloves. One girl present, fearing for her dainty gown as she glanced at the moist hands of her perspiring partner, said shyly: "Pardon me, would you mind using your handkerchief?" The young man hastily drew out his handkerchief and blew his nose.

### Expecting It.

A church worker in a small town was sent to the city to procure illuminated texts with which to decorate the church for Christmas. Shortly after his arrival in the city he was horrified to receive the following telegram signed by his wife:

"Another—unto us a child is born, nine feet long by two feet wide."

### How He Managed It.

"I was in an awkward predicament yesterday morning," said a husband to another.

"What was that?"  
"Why, I came home late, and my wife heard me and said, 'John, what time is it?' and I said 'Only twelve, my dear,' and just then that cuckoo clock of ours sang out three times."

"What did you do?"  
"Why, I just had to stand there and cuckoo nine times more."

At the Iowa Experiment Station, corn nine parts and tankage one part was found not only one of the cheapest rations for brood sows, but also one of the best, as determined by the size and quality of the litters.

If heaven does not begin on earth it will not begin anywhere.

# Readers Market Place

Advertising "bargain counter." Thousands of people have surplus items or stock for sale—limited in amount or numbers hardly enough to justify extensive display advertising. Thousands of other people want to buy these same things. These intending buyers read the classified "ads"—looking for bargains. Your advertisement here reaches over a quarter of a million readers for 25c a line for one week; 50c a line for two weeks; 75c a line for three weeks; 80c a line for four weeks. Additional weeks after four weeks, the rate is 20c a line per week. Count 6 words to make one line. No "ad" taken for less than 50c. All "ads" sets in uniform style, no display. Initials and numbers count as words. Address counted. Terms always cash with order. SITUATIONS WANTED ads, up to 25 words, including address, will be inserted on this page free of charge for two weeks, for bona fide seekers of employment on farms.

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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 buyer the retailer's profit. Every customer is a permanent one. Demand constantly increasing. Latest plans. K. F. Hitchcock Hill & Co., Chicago.

LOCAL REPRESENTATIVE WANTED—Splendid income assured right man to act as our representative after learning our business thoroughly by mail. Former experience unnecessary. All we require is honesty, ability, ambition and willingness to learn a lucrative business. No soliciting or traveling. This is an exceptional opportunity for a man in your section to get into a big paying business without capital and become independent for life. Write at once for full particulars. Address: E. R. Marden, Pres. The National Co-Operative Real Estate Company, 1473 Marden Building, Washington, D. C.

## MALE HELP WANTED.

GOVERNMENT FARMERS WANTED—Examination April 10. \$60 monthly; many needed. Write, Osment, 44E, St. Louis.

WANTED—1,000 RAILWAY MAIL STUDENTS immediately. Examination May 4. \$1,600 yearly. Write today for free trial lesson. Osment, 44E, St. Louis.

WANTED—A COMPETENT, WORKING foreman for my farm. We raise alfalfa and stock. Give references and salary. Reply to X. Y. Z., Chanute, Kan.

WANTED—MEN IN EVERY TOWN IN Mo., Kan., Ill., Neb., Okla., Ark. to take orders for nursery stock. Outfit free. Cash weekly. National Nurseries, Lawrence, Kan.

## SITUATION WANTED.

EXPERIENCED FARMER WITH FAMILY, one son 18 years of age, wants to operate farm, salary or shares, everything furnished. Box 273, Washington, Kan.

WANTED—PLACE ON THE FARM, BY young married couple. Best of reference. Will agree to stay a year if employer and I are satisfied. Frank J. Macy, Florence, Kan.

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FOR SALE—RED POLLED BULLS, 10 and 15 months old; Duroc Jersey sows and fall pigs. I. W. Poulton, Medora, Kan.

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FOR SALE—ONE REGISTERED SHORT-horn bull calf, 10 months old. R. L. Skubal, R. 1, Jennings, Kan.

FOR SALE—THIRTY HEAD OF CHOICE fawn colored Jersey cows, 3 to 7 years old, fresh and fresh soon. O. N. Himmelburger, 307 Polk St., Topeka, Kan.

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FOR SALE—DOUBLE STANDARD Polled Durham bulls; good individuals, breeders and strong dehornors. C. M. Albright, Overbrook, Kan.

JERSEY CATTLE, COLLIES, POLAND Chinas and White Wyandottes; cockerels and eggs for sale; Scotch Collie puppies for sale, females. U. A. Gore, Seward, Kan.

ALYSDALE SHORTHORNS—THREE excellent good bulls for sale; 16 months old. Sired by Archer's Victor 292012. Two red, one dark roan, also some high-class cows and heifers. Farm close to Topeka. Address or call upon owner. C. W. Merriam, Columbian Building, Topeka, Kan.

## MISCELLANEOUS.

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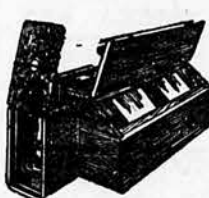
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This new brooder will work out doors in any kind of weather, fair, windy or stormy. Self-regulating; absolutely without lamp fumes or gas to interfere with fast, healthy growth of chicks. Roomy and perfectly ventilated with warm, fresh air. Always reliable. Durable and easily handled. Priced low, but it is a real brooder. Its equal has never been made. Write today for fuller information and prepaid price to your town. Sam Thompson, President Nebraska Incubator Co., Box 2312, Fairfield, Neb.





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**EGGS** R. C. Reds, B. P. Rock, White Orpington, S. C. Leghorn, White Langshan, Houdans. Circulars free. Elie Lefebvre, Route 2, Havensville, Kan.

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**SINGLE COMB WHITE LEGHORNS—**Twenty years careful selecting and mating. Eggs, \$5 per 100. For further information write Fairfield Poultry Ranch, J. J. Keefe, Proprietor, Fairfield, Neb.

**PURE-BRED ROSE COMB BROWN LEG-**horn eggs, best winter layers; 15, \$1.00; 30, \$1.50; 100, \$4.00. Mrs. Frank Seaman, Cedar Vale, Kan.

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## S. C. W. LEGHORNS

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**SINGLE COMB WHITE LEGHORNS;** baby chicks and eggs. Eggs, \$1 per 15; \$6 per 100. Chicks, 15 cents each. Prize winning stock. Won five prizes out of five entries at State Show, Wichita, 1911. Indian Runner ducks, layers at 4 1/2 months old. Write for descriptive circular. T. R. Wolfe, Rt. 2, Conway Springs, Kan.

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**EGGS FOR HATCHING FROM WHITE** and Buff Wyandottes, White and Buff Plymouth Rocks, Rose Comb Rhode Island Reds, Buff Orpingtons and Black Langshans. A few cockerels left yet. E. B. Bowers, Bradshaw, Neb.



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**EGGS—FAVORITE ROCKS—EGGS**—From prize winning Buff, Partridge, Columbian and White Ivory Plymouth Rocks. Large White Ivory cockerels at \$3, \$5, \$10 each. Mating list free. Favorite Poultry Farm, Stafford, Kan.

**BARRED ROCKS OR OTHER BREEDS** of poultry. Eggs for hatching or baby chicks are quickly sold for a small cost through a little ad in these columns. Write for special low advertising price.

**TOULOUSE GESE EGGS, \$1.50, 7;** Bronze Turkey eggs, \$1.75, 11; Black-White Langshans, Barred Rocks, Houdans, \$3.50, 50; S. C. Brown Leghorns, \$2.50, 50; Rouen Ducks, \$1.50, 11 eggs. W. L. Bell, Funk, Neb.

**BARRED P. ROCKS AND S. C. R. I.** Reds. Large, vigorous, heavy laying strains; best of blood; properly mated. Eggs, 13, \$2.00; 26, \$3.50; 39, \$5.00; 100, \$10.00. Cockerels, \$3.50 to \$6.00. Females, \$2.50; each additional, \$2.00. Enterprise Poultry Farm, Box 7, Northtown Road, Jonesdale, Wis.

**SUNNY DELL FARM HAS EGGS FOR** hatching from the following: Bourbon Red turkeys, \$2.50 per 11; S. C. R. I. Red chickens, \$1 and \$1.50 per 15, \$5 per 100; S. C. B. Leghorns, \$1 per 15, \$4 per 100. All extra fine penna, scored and prize winners. Satisfaction guaranteed. T. I. Woodall, Fall River, Kan.

**EGGS! EGGS—FROM TURKEYS, TOUL-**ouse and White Emden geese, Rouen, Pekin, Muscovy and Runner ducks, Rhode Island Reds, Leghorns, Houdans, Wyandottes, Hamburgs, Orpingtons, Games, Plymouth Rocks, Langshans, Cochins, Pearl and White guineas, Bantams. Hen eggs, 15 for \$1; by the 100, reasonable. Also, dogs, rabbits and fancy pigeons. Write for free circular. D. L. Bruen, Platte Center, Neb.

**CHOICE STANDARD BRED PEKIN,** Rouen and Runner Ducks; White, Buff, Golden, Silver Partridge and Columbian Wyandottes; White, Buff, Barred Rocks; Rose and Single Comb Brown, White and Buff Leghorns; Reds and Buff Orpingtons; Buff, White and Partridge Cochins, \$2.50 single birds, \$4.50 pair, \$6.00 trio. Toulouse Geese, \$4 single, \$10 trio. Bronze Turkeys, toms, \$4; hens, \$4. Geo. Hartman, Box 505, Freeport, Ill.

### TURKEYS.

**THE HARRIS POULTRY COMPANY—**Successors to Kansas Co-operative Poultry and Supply Company, Topeka, Kan. Ask for catalog.

**FOR CHOICE W.H. TURKEYS, T. GESE** and White Guineas, write L. J. Wentz, Burlington, Kan.

**FOR SALE—BOURBON RED TURKEYS'** eggs, 2 for \$2.50. Mrs. J. E. Bundy, Goodrich, Kan.

**FOR SALE—PRIZE WINNING MAM-**moth White Holland turkeys, sired by a 45-pound tom. Eggs in season. Miss Lillian Schaal, Lexington, Mo.

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**PERKINS' M. B. TURKEYS—HAVE 2 OF** the best pens in state, headed by "Champion" and "Ive's Boy," scoring 97 and 94 points. Champion holds championship of Missouri and Kansas, winning six firsts and never defeated. Eggs, first pen, \$10; second pen, \$5 per setting. G. W. Perkins, Newton, Kan.

### DUCKS AND GESE.

**INDIAN RUNNER EGGS, 10c EACH.** Harry E. Duncan, Humboldt, Kan.

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**INDIAN RUNNER DUCKS, PURE FAWN** and white, heavy layers of white eggs. Eggs, \$1.50 for 13; \$5 for 100. Mrs. Annie E. Kean, Route 1, Carlton, Kan.

**INDIAN RUNNER DUCKS, NEW** Standard, fawn and white. State Fair winners. Score 94 to 96. Eggs, \$1.50 and \$2 per 13. Dr. E. H. Killan, R. F. D. 2, Manhattan, Kan.

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**MOTTLED ANCONAS—EGGS, \$1.50 FOR** 15. Mrs. H. M. Buchele, Cedar Vale, Kan.

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## PURE BRED POULTRY

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

**THOROUGHbred R. C. REDS, SCOR-**ing 93. Eggs, \$3.00 per 15; second pen, \$2.00. Mrs. H. F. Martindale, Madison, Kan.

**S. C. RHODE ISLAND REDS—THE** poultry for profit. Eggs, 75c for 15; \$4 per 100. J. A. Clark, Route 3, Marysville, Mo.

**PURE-BRED R. C. R. I. REDS—DARK,** rich Reds; red eyes. Eggs, \$1 15; \$2.50 50; \$5 100. Nora Luthy, R. 6, N. Topeka, Kan.

**ROSE COMB RHODE ISLAND REDS—**High scoring. Eggs, \$2 per 15; range, \$3 per 100. E. H. Thomas, Emporia, Kan.

**SINGLE COMB RHODE ISLAND RED** eggs, \$3.00 per 100, \$1.00 per 30. Mrs. Rosa Janzen, Route 3, Geneseo, Kan.

**PRIZE WINNING REDS THAT LAY** eggs, both combs, \$1 per 15. W. G. Goerner, Box 144, Kingman, Kan.

**S. C. RHODE ISLAND REDS—PENS** scoring 90 to 94. Eggs, \$2 to \$5—15. C. E. Florence, El Dorado, Kan.

**EGGS FROM WINTER LAYING, PRIZE** winners. Reds and Runner ducks; fertility guaranteed. Mrs. W. R. Divine, Lamar, Mo.

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**PRIZE WINNING REDS, BOTH COMBS.** Fine cockerels, cheap for quick sale. Eggs for hatching. Robert Steele, Route 7, Topeka, Kan.

**SINGLE COMB RHODE ISLAND RED** eggs for sale. Pens, \$2.50; flock, \$1.00 per 15. Write us quick. Ralph Seymour, Humboldt, Kan.

**BUY EGGS FROM BEST SINGLE COMB** Reds. All firsts and many other prizes at recent state show. Pens contain all our winners. Mating list. Moore & Moore, 1239 Larimer Ave., Wichita, Kan.

**ROSE COMB REDS—FOURTH COCKER-**el, first hen at Leavenworth. Eggs, \$3.00 setting. Dr. W. B. Myers, 715 Michigan Ave., Leavenworth, Kan.

**EXTRA BIG BONED PRIZE WINNING** deep red R. C. Reds, score 91 to 94. Cockerels, pullets, eggs, circulars. Highland Poultry Farm, Hedrick, Iowa.

**ROSE COMB REDS—YARD A, HEADED** by Red Boy, son of Kansas City Boy, valued at \$500. Eggs, \$5 per 15. After April 1, \$3. Write for matings. Amy Bartlett, Lone-Jack, Mo.

**ROSE COMB RHODE ISLAND REDS.** Prize winners at Kansas City, Topeka, Leavenworth and elsewhere. Eggs, \$3.00 per 15. Send for mating list. Fred T. Nye, Leavenworth, Kan.

**FREE MATING LIST, BOTH COMBS.** Booklet on breeding Reds, 25 cents. Females for sale at all times; a few cockerels left. Eggs, \$6.00 to \$10.00 per 100. The leading strains represented. Mrs. F. W. McIntyre, Red Oak, Iowa.

**ROSE AND SINGLE COMB RHODE** Island Reds. We have bred them in line for 10 years. Ten matings to furnish eggs for hatching. Fertility and safe arrival guaranteed. Free mating list, with prices within the reach of all. H. A. Sibley, Lawrence, Kan.

**ROSE COMB REDS—COLUMBIAN** Wyandottes. Winners and heavy layers. Won again 45 prizes at two shows this winter. Also, Golden Seabright Bantams and Indian Runner Ducks. Eggs, \$1 to \$5 per 15. Mating list free. A. D. Willems, Minneola, Kan.

**FOR SALE—ABSOLUTELY THE BEST** prize winning Rose Comb Rhode Island Reds, line bred from stock that has been winning first at Chicago for years. Stock, \$3 to \$25 each. Eggs, \$1 to \$5 per setting. Babies, 15c. C. R. Colwell, Smith Center, Kan.

**PEDIGREED R. I. REDS—FIRST PEN,** hens; sire, Advance III, first, an ddams second at Madison Square. Mated to direct descendant of Red Cloud. Extra quality. Eggs, cut prices, \$8 per 15. Second pen headed by grandson of Advance with extra pullets; \$5 per 15. E. B. Cramblitt, Ames, Ia.

### BANTAMS.

**BANTAMS—EGGS, 34 VARIETIES, SE-**brights, Cochins, Games, Polish, Rose Combs, Brahmas, Japanese. Send 2c stamp for circular. A. A. Fenn, Box 105, Delavan, Wis.

**BLACK SPANISH AND BLACK TAILED** Japanese Bantams. Best blood in America. Circular free. Eggs and baby chicks. Chestnut & Son, Centralia, Kan.

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**GREAT BARGAIN IN BABY CHICKS—**Money makers; finest thoroughbreds; 10,000 for sale from popular varieties; guaranteed alive or replaced, 12c to 50c each. C. Colwell's Hatchery, Smith Center, Kan.

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**LIGHT BRAHMAS—I HAVE TOO MANY** cockerels left, and must sell. Give me \$5 for a 10 bird; \$3 for a 5 one. You never saw as large, fine, high scoring a lot. Also, hens and eggs. Mrs. J. R. Kenworthy, Wichita, Kan.

## HIDES and FURS

Ship us your Cow and Horse Hides. We are paying a good price for them. G. S. Hides, 11 and 12 cents; Horse Hides, \$2.50 to \$3.50. You should ship your Furs just as fast as you get hold of them, as the market will keep going lower as the season advances.

**JAS. C. SMITH HIDE CO., Topeka, Kansas,** St. Joe, Mo., Wichita, Kan., Grand Island, Neb., Joplin, Mo.

### Whose Fowls Have Egg Records?

A valued reader, C. L. H., Galena, Kan., writes to ask KANSAS FARMER to furnish the addresses of some breeders of Single Comb Brown Leghorns whose fowls have egg records—preferably in Kansas. This reader writes further that only one advertisement of Leghorns noticed this year mentions the egg record, and that is of a flock in the state of Washington. Most advertisements of poultry, our reader goes on to state, "lay stress on being prize winners, which is nice, of course, but happens to be of no use to me."

This brings up again the much discussed question in poultry circles of placing awards in poultry shows, taking into consideration the egg-laying performance of hens, and of blood lines represented, as well as on looks, shape, color and condition at the time of showing.

The time will come, very likely, when the utility of poultry will be considered in show rooms, as well as appearances. And every time a poultry raiser brings up the question of utility, that time is brought closer to hand.

If any of our readers happen to know of any flocks of S. C. B. Leghorns which have a high record of performance as egg producers, KANSAS FARMER will be glad to hear of them, and to pass the information along for the good it may do C. L. H. and our other readers.

### Uncle Sam and Good Roads.

"It appears likely that Congress will at an early time enact laws providing for federal aid for highways. The campaign of education as to the economy of good roads is having its effect. At the recent convention of good roads advocates, held in the city of Washington, many of the most prominent men of the nation expressed their views as to proposed good roads measures. From every state in the Union petitions are going to members of Congress asking that support be given to some of the numerous measures that have been introduced looking toward government aid. There are few economists in the land who do not keenly realize how great would be the benefits to the nation at large if the highways were made better," says the Motorist. "To build and maintain good roads in all parts of the country where they are now needed would require the expenditure of hundreds of millions of dollars. But these millions would be well spent, and give such returns in adding to the nation's wealth as never need be expected from the Panama canal. Before many more sessions of Congress are held the promise is that millions of dollars will be appropriated to aid the states in road betterment. Another ten years will find the highways of the United States well advanced toward the high standard of the road systems of such countries as France, Germany and the United Kingdom."

Prof. J. G. Milward, of Wisconsin, is organizing the potato growers of the state with the purpose of producing those kinds of potatoes that are most in demand and limiting the number of varieties in each community.

Every time you cross-breed you start to tear down the work of breeders and begin to produce scrubs.

### The Naylor Pulverator.

A new implement taking a new name has been on the market for some time. It has been proven of great usefulness on every farm where better farming methods are sought and practiced. The name, "pulverator," is used because the machine is at once a double disc, a harrow, a leveler and a cultivator. And it does the operations of all these separate machines. One man and four horses take the place of two men and eight horses, and do as much and better work in the field in the same time. With this new machine one mile of travel prepares an acre of ground. And it leaves no uncultivated strip of ground as a center, as the usual disc harrow does. Write the Naylor Manufacturing Co., Plano, Ill., for full particulars, prices and guarantee covering the construction and operation of the Naylor pulverator.

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### CORNISH FOWLS.

**EGGS FROM GOOD UTILITY FLOCK, \$2** per 15. Few good cockerels left; cheap. L. C. Horst, Newton, Kan.





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**PECOS VALLEY, NEW MEXICO, IRRIGATED LAND**—Either under government dam at Carlsbad or artesian wells. 160 a., 115 alfalfa, 1/2 mi. town, for exchange for mdse. or business. Price, \$125 per a. 160 a., 3 mi. town, artesian well, 30 a. orchard, 8 to 6 yrs. old, 15 a. alfalfa, to trade for Texas or Oklahoma land. Price, \$100 per a. 40 a., 4-room cottage, all under government dam. Price, \$4,500; will take half in clear rental. Many other bargains for sale and trade.

**ROUDEBUSH INVESTMENT COMPANY,**  
Room 2, Columbian Building, Topeka, Kansas.

**WESTERN KANSAS LANDS**—In all size tracts, improved or unimproved, close to railroads, level country, good water, rich soil and plenty moisture. One crop will pay for the land. Write or call and make me prove it. Literature free. **I. J. HOSTETLER,** Syracuse, Kansas.

**A GOOD FARM AND STOCK PROPOSITION**—6 miles from Kingman, 400 acres, with 160 well improved, 140 cult., good buildings, silo, etc. Price, \$42.50 per acre. Then we will assign lease to 560 acres adjoining, grass land, not for sale. Rent, \$325 per year. Call on **THE MOORE LAND CO.,** Kingman, Kan.

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**Jewell County**—320 acres, 5 1/2 miles from Esbon; good improvements. Must sell quick. Address **J. A. Cole, Esbon, Kan.**

**Come to Comanche County.** In the great wheat belt. Write for free list of choice bargains. **P. H. Thornton, Coldwater, Kan.**

**50 REPUBLIC COUNTY FARMS.** All sizes, \$40 to \$100 per acre. Write for list. **S. M. PATTERSON, Belleville, Kan.**

**40 ACRES, 4 mi. from Kosoma, Okla.,** clear, all plow land, to exchange for restaurant stock, clear, well located. **J. A. Kasparek, Belleville, Kan.**

**FOR SALE**—6000 a. of improved farm lands in Jefferson and Stephens counties, Okla., in tracts from 50 to 640 one-fourth cash, balance 1 to 10 years, title perfect. **L. W. TARKENTON, Waurika, Okla.**

**IF YOU HAVE \$500 OR MORE** to invest in good land, write for our list or come out and let us show you what we have. We offer best inducements in Kansas to the investor. **MARRS & DAY, Meade, Kan.**

**FOR SALE BY OWNER.**  
160 improved, Elk Co., Kan., \$3,000  
160 improved, Noble Co., Okla., 4,000  
80 Neosho Co., Kan., improved, 3,600  
Terms on either.  
**WM. ROBBINS, Thayer, Kan.**

### 100—FARMS—100

Improved and unimproved, at bargains. Desirably located.

**THOS. DARCEY,**  
Real Estate and Insurance, Offerle, Kan.

**SAY! WATCH BARGAINS, KAY COUNTY, OKLAHOMA.**

Fine 160 a., 5 r. house, new barn, silo. A bargain at \$8,500. Write your wants. I've got it. List free.  
**E. E. GOOD, Newkirk, Okla.**

**STAFFORD COUNTY, KANSAS.** One of the best farming sections in the state; write me for descriptions and full particulars about some of the fine farms I have for sale in this section; good crops all the time.  
**A. L. McMILLAN, Stafford, Kansas.**

**A KANSAS BARGAIN**—160 a. fine land, level; 100 acres fine wheat goes; large 6-room house, barn 32x60, granary, etc.; \$2,500 to \$3,500 will handle, balance 9 years time; near town. **I. R. Krehbiel, Geneseo, Kan.**

**BUY AN IMPROVED, IRRIGATED FARM** in semi-tropical Texas. Discondale farms sold equipped "ready to move on." This means land cleared, fenced, watered and house built according to your own plans. Easy terms. Write for particulars. **A. DELCAMPRE, Carrizo Springs, Texas.**

**GREENWOOD CO. FARMS.** and well-grassed stock ranches, in the corn, clover and bluegrass country, for sale at low prices on liberal terms. Write for full information.  
**J. G. SMITH,**  
Hamilton, Kansas.

**FOR TRADE.**  
160 a., in Anderson Co., 6 mi. from town, well improved, 140 a. bottom land, 80 rods from church and school, all nice farm land. Price, \$60 per a.; will exchange for western quarter or half section and give terms on the balance. **B. H. BURNS, 718 Kansas Ave., Topeka, Kan.**

**SOUTHEAST KANSAS.** Mild Climate. Rich Soil. Plenty of Water. We have bargains in farms, 80, 160 and 320 acres. Also, some good pasture land. We sell cheap for cash on good, reasonable terms. We also have tracts of different kinds and sizes to exchange for merchandise or rental property. Write us your wants. **LONG BROS., Fredonia, Kan.**

**Cedar Hill Farm** 250 ACRES, 4 1/2 mi. from town, 10-room 2-story house, barn 40x40, cattle pasture, timothy, clover and alfalfa on farm, 50 a. hog-tight; 2 mi. market; living water; black limestone soil, lays just right; 10 a. timber. Price, \$65 per a. Owner retired says he will carry back three-fourths. Best proposition on my list. Address **W. L. Morris, Owners' Agency, Garnett, Kan.**

**ACT QUICKLY FOR THIS.**  
Farm of 240 a., 7 mi. from city, all fenced and cross-fenced, 90 a. in cult., 50 a. hog-tight, bal. native grass meadow and pasture. Fine 2-story house, good barn, feed lots, cribs, etc.; large bearing orchard; plenty of good water; half mi. to school, good road to town. Easy terms. \$30 per a. Fine bargain. Write quick.  
**W. A. NELSON,**  
Fall River, Kan.

### FOR SALE

1,700 acres of my 4,400-acre ranch in Kearney County, Kansas, on the Arkansas River and Santa Fe R.R.; 700 acres alfalfa land, 100 acres in alfalfa; all fenced with three and four wires; 5-room frame house, stone basement; barn 25x50 feet, part stone basement; stock sheds with iron roof, all well built and 300 yards south of Sutton Flag Station; wells at house, barn and in pasture. Reason for selling: Too big for my foreman to look after. John Shinkle will show place. Price, \$20 per acre net to me. Can be in payments.  
**H. H. SMALLEY, Springfield, Mo.**

**80 A., ALL TILLABLE,** fair improvements, close to Topeka. Can sell very low, with small payment down. **O. M. Elliott, 435 Kansas Ave., Topeka, Kan.**

**BUTLER, HARVEY AND SEDGWICK BARGAINS.**

Genuine Snap, 160 a., near good town, 1 mi. to school, all tillable, 80 a. in cult., 15 a. meadow; bal. pasture, all fenced, family orchard, nice grove, good 7 r. house, all necessary bldgs. Price only \$40 per a.; easy terms. Write for new list and Kansas map. **Eberhard & Mellor, Whitewater, Kan.**

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If you would like to live in the most beautiful city in the West, with unsurpassed educational, business and religious advantages, in a city clean, progressive, where real estate values are low but steadily advancing, where living expenses are reasonable, a city with natural gas at lowest price, address the  
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**Adjoining Good chance to buy 159**  
**Town Every acre tillable and in**  
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**THURSDAY, APRIL 4th**

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**HOGS**—55 head of Registered Duroc Jerseys, consisting of 52 bred sows, and 3 boars. These hogs are of the best blood lines of the breed. They were brought from Northeastern Nebraska last spring, right from the neighborhood where bred sow sales have averaged around \$100 this winter. Conspicuous in the pedigrees is Monarch 28395, and there are a number of his granddaughters. Monarch stood the highest of any boar in America the year of the World's Fair at St. Louis, and his dam was a litter sister to Ohio Chief, the greatest boar the breed ever produced. There are also a number of granddaughters of Dreadnaught 18220A, which sold at public auction for the highest figure of any hog of any breed—\$7,200. This will afford breeders in this part of Kansas an opportunity to infuse some new and fresh blood into their herds. Besides the above registered Durocs, there will be about 80 head of stock hogs, including 10 Poland China sows, registered and eligible.

It is the opportunity of the season to procure the very best strains of Durocs that have been fed right for future results.

**STALLION**—There will be sold a young stallion bred by M. Callu, France, foaled May 20, 1909, imported last August by McLaughlin Bros., of Columbus, O. He weighs around 1,900 pounds now, and I think will make a 2,200-pound horse when matured. He is, I believe, the best young stallion in Kansas today.

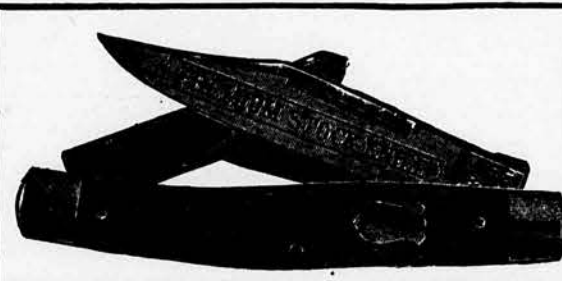
**E. R. MORGAN, BLUE RAPIDS, KANSAS**

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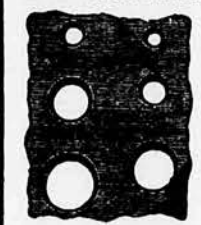
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Illustration  
about two-thirds  
actual size.

Three blades,  
fully warranted.

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This illustration shows  
the actual size of holes  
that may be cut with  
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Up-to-date Poland China hogs. Write your wants.  
M. N. HOLDEMAN, Meade, Kan.

**Best Imported Horses** One thousand bred registered draft stallions—\$250 to \$650 at my stable doors. A. LATIMER WILSON, Creston, Ia.

**Home-bred Draft Stallions** \$250 to \$600 imported stallions—your choice, \$1,000. F. L. Stream, Creston, Iowa.

## IMPORTED STALLION FOR SALE.

I have a 3-year-old imported Percheron for sale. If taken before March 1 will make price lower than could be bought for of importer. Guaranteed.  
E. R. MORGAN, Blue Rapids, Kan.

**FAIRVIEW STOCK FARM.** Twenty-five Mammoth Jacks, all ages; Pharaoh 2491, grand champion, Tennessee at head. Largest herd in west.  
H. T. HINEMAN,  
Dighton, Lane County, Kan.

## SIX - JACKS - SIX

From 3 to 7 years old, for sale very low. We raise them.  
W. H. Bayless, Blue Mound, Linn Co., Kan.

**IMPORTED DRAFT STALLIONS**, \$1,000 each; home-bred, \$300 to \$600. HART BROS., Osceola, Iowa.

PERCHERONS  
BELGIANS  
SHIRES

ONE OF THE  
OLDEST AND  
LARGEST  
IMPORTERS  
IN  
AMERICA

Our horses are big, smooth flat-boned fellows, with great quality style and conformation. Will please the most critical. Prices reasonable. Satisfaction guaranteed. Letters from hundreds of satisfied customers and big illustrated catalog mailed free.

Watson, Woods Bros. & Kelly Co.  
BOX 34 LINCOLN, NEB.

## REGISTERED PERCHERON STALLIONS.

Six head, 3's and 4's, blacks and roans, and extra good individuals. Will be sold reasonable if sold soon.  
G. S. HAMAKER, Pawnee City, Neb.

Registered Jacks—Good performers and good breeders. Worth the money. Bruce Saunders, Route 5, Holton, Kan.



## HOME OF THE GIANTS.

75 Head of Jacks and Jennets. Won half the premiums, Missouri State Fair, 1911. The big, thick, big-boned kind.

BRADLEY BROS., Warrensburg, Mo.  
Mo. Pac. Ry., 65 mi. east of Kansas City.

REGISTERED BAY  
PERCHERONS

Am closing out my entire herd. All registered in Percheron Society of America. Stallions, Brood Mares, Fillies and Colts. Sale barns in town. Write.  
DR. J. T. AXTELL, Newton, Kansas.

**SADDLE BRED STALLION** for exchange. He is 16 1/2 hands, black, weight 1360, coming 9 years old, without a blemish, works double or single, trots square in harness, takes saddle gaits when made. A good breeder and sure. Sired by Woodford Squirel, Jr., 1233, and out of standard-bred trotting mare, not registered. Want to exchange for a Belgian stallion not over 9 years old, or will buy one if priced right. Act quick. This advertisement will only appear twice.  
G. S. LAWSON,  
Ravenwood, Nodaway Co., Mo.

## POLLED DURHAM CATTLE

**Roan Hero the International Champion and BELVEDERE X2712-195058**  
Son of the \$1,500 Grand Victor X1633 18885 heads my herd of Double Standard Polled Durhams. A few extra good, blocky, thick-fleshed young bulls for sale. Inspection invited. Farm adjoins town.  
D. C. VAN NICE, Richland, Kansas.

## HEREFORD CATTLE

**100 — Hereford Bulls — 100**  
Coming yearlings and twos. A choice lot of cows and heifers. One to a car load. Bred to one of the best bulls in Kansas.  
SAMUEL DRYBREAD, Elk City, Kansas.

## GUERNSEY CATTLE.

A FEW Guernsey bulls for sale; butterfat record 688 to 714 lbs. per year; prices reasonable. Frederick Houghton, Roxbury, McPherson Co., Kansas.

**FOR SALE — REGISTERED GUERNSEY** bull calf. Henry's Ard High of Preel 19877. Also, a number of high-class Duroc Jersey gilts and boars. Prices reasonable, breeding considered. Address, S. D. HENRY, Ard High Stock Farm, Excelsior Springs, Mo.

## GUERNSEYS.

For Sale—High-grade Guernsey bull and heifer calves. "Materna" strain. MRS. HELEN DONNELLY, Manitowoc, Wis.

## SHROPSHIRE SHEEP

**875 Breeding Shropshires**

High grade black faced breeding ewes. All young, from yearlings up. A number of good young mares, draft bred and some good young work mules. 185 head good stock cows. Can furnish car lots of any class of stock. Maryville branch U. P. station on farm. Alkin Ranch, F. T. Grimes, Manager; Railway Station, Alkin, Kan.; P. O., Emmett, Kan.

## SHROPSHIRE EWES.

I have a choice lot of Shropshire ewes, registered, for sale. They are from yearlings to five years old. These ewes are all bred to imported rams. Prices reasonable. Write J. W. ELLIOTT, Polo, Mo.

**Capital View Herd of Registered Galloways.**

A choice lot of young bulls for sale in numbers to suit. Write or call for further information. G. E. CLARK, 2301 Van Buren St., Topeka, Kan.

## 3 CARLOAD REGISTERED HOLSTEINS FOR SALE

Two cars cows 2 1/2 to 8 years old. All A. R. O. or A. R. O. breeding. Heavy milkers, nearly all freshened since December 1. Entire herd tuberculin tested annually. Federal bill of health furnished with each animal.  
**ONE CARLOAD OF BULLS**  
From 1 month to 2 years old. All from these cows or others equally as well bred. Farm just in edge of town. Barns in city limits, one-half mile from station, 30 miles east of St. Joseph, on Rock Island.  
S. W. COOKE & SON, Maysville, Mo.

## Oakland Jersey Herd. American and Imported Herd.

The present herd of dairy and breeding stock, while not large, is composed of individuals of great quality and breeding. The herd usually is able to offer a cow, a bred heifer; bull and heifer calves of rare quality at reasonable prices. The herd management is associated with an importer of Jersey cattle of 30 years successful experience as an importer, and is in a position to handle commissions for all wishing imported cattle (both Jerseys and Guernseys) at lowest cost possible consistent with high-class service.  
OREN S. DAY, Box 64, Foltville, Wis.

## 50—PERCHERON STALLIONS AND MARES—50

Bishop Brothers have 26 big boned stallions that weight 1,700 to 2,100 pounds that they can and will sell for less money than any firm in the business, quality considered. Write us what you want.  
BISHOP BROS., TOWANDA, KAN.

## SCOTCH SHORTHORN BULLS

Twenty head of high-class Scotch and Scotch topped bulls for sale; yearlings and 2-year-olds; all bred right and good individuals; also herd bull Victoria Prince Second 238026—a herd bull with a record as a breeder; all will be sold; worth the money and descriptions of stock guaranteed.  
GEO. A. ROBINSON, Prescott Ia.

## DUAL - PURPOSE - SHORTHORN - CATTLE

Evergreen Home Farms, Lathrop, Mo., J. H. Walker, Prop.—Breeder of dual purpose Shorthorn cattle, Oxford Down sheep, Berkshire hogs and Burbon Red turkeys. Breeding stock for sale at all times. Prompt attention to mail orders. Write us for milk and butter records of our Shorthorn herd.  
J. H. WALKER, Lathrop, Mo.

## GANZDALE HERD PURE-BRED HOLSTEIN

**GANZDALE HERD PURE-BRED HOLSTEIN COWS AND HEIFERS FOR SALE.** To move them quickly we will, quality considered, price them right. We must reduce our herd. We also have a few extra choice quality bull calves for sale, sired by that premier sire, Pictie Count. Several of his sons from large producing dams at prices very cheap. CASPAR A. GANTZ, King City, Mo.

## ABERDEEN-ANGUS CATTLE.

C. D. and E. F. Caldwell, Burlington Junction, Mo., breeders of high class Angus cattle. Herd headed by Undulate Blackcap 1to 11. Young bulls for sale ranging in age from 8 to 18 months. A number of them are herd headers. If you want a high-class individual that is bred right, we have them. Write us for description of what we have.  
C. D. and E. F. CALDWELL, BURLINGTON JUNCTION, MO.

## GALLOWAY CATTLE

## FORT LARNED HERD.

REGISTERED GALLOWAYS  
for sale. Fifteen choice registered bulls 10 to 20 months old.  
E. E. FRIZELL, Larned, Kansas.

## HOLSTEIN CATTLE

M. E. MOORE & CO., Cameron, Mo., are offering four fine yearling bulls for sale. They are largely white in color, handsomely marked, all sired by Orchard Hill Hengerveld De Kol No. 55108. Also, a few heifers, not related. Come and see. Herd tuberculin tested.

## YOUNG HOLSTEIN BULLS.

Have sold all my females that I can spare. Have a few young bulls sired by Prince Ermsby De Kol, now at head of Nebraska College herd. Prices reasonable.  
J. F. MAST, Scranton, Kan.

## HOLSTEINS FOR SALE.

Forty (40) head of heifers and cows; to freshen inside 30 days. Several cows heavy milkers; fresh now. Bulls from 1 to 15 months of age. Ira Romig, Station B, Topeka, Kan.

## SUNFLOWER HERD HOLSTEIN-FRIESIANS.

Choice stock, both sexes, always on hand. The best sire in the middle west heads this herd. Visitors and inspection solicited. F. J. SEARLE, Oskaloosa, Kan.

## Young Holstein Bulls

Sired by Peterjet Hengerveld Nannette and out of heavy producing dams, for sale. From young calves to yearlings. Won first at Topeka, Hutchinson and Oklahoma State fairs on young herd, 1911. Herd bull was junior champion.  
W. C. JONES & SONS,  
Route 2, Topeka, Kan.

Purebred Registered  
HOLSTEIN CATTLE

The Greatest Dairy Breed  
Send for FREE Illustrated Booklets.  
Holstien-Friesian Assn., Box 114, Brattleboro, Vt.

## JERSEY CATTLE

## JERSEY BULLS.

Young grandsons of Golden Ferns Lad P 2160 H. C.; grandsons of the show cow, Boom Nigretta 116131; sons of Duke Champion 85990, and richly bred Tormentors. You need one of these and we need the money, so come over and let us trade. Barred Plymouth Rock Chickens.  
WM. H. BURNS & SONS,  
Concordia, Mo.

## WYATT'S JERSEY CATTLE.

Headed by a son of Sultanna's Jersey Lad. Sale at Hiawatha, Kan., April 25. Write early for catalog.  
HENRY E. WYATT, Fall City, Neb.

## LINSCOTT JERSEYS

Only Register of Merit Herd in Kansas. Offers at moderate prices a few heifers, open and bred; a few tested cows; bulls of serviceable age out of tested cows and H. C. imported sire.  
R. J. LINSCOTT, Holton, Kansas.

GOLDEN RULE JERSEY  
HERD.

Headed by Oomer's Eminent 85865. Choice bull calves for sale.  
JOHNSON & NORDSTROM,  
Clay Center, Kan.

Your Choice—1 bull, coming 2 years, by Beatrice Stockwell; 1 7 months old, by Oomer's Eminent, dam Guenon's Sallie M. test of milk 9 per cent butter fat. Heifers and cows from 6 months to 6 years, mostly Golden Lad and St. Lambert blood. S. S. SMITH, Clay Center, Kan.

## REGISTERED JERSEYS.

**YOUR CHOICE** of two registered Jersey bulls, 1 yearling past, one 2 years past, from cows testing over 8% butter fat; \$50 and \$60. Dr. J. A. Larrabee, Barnard, Mo.

**I AM OFFERING** a few young bulls, some of Oxford's Masterpieces, a son of Oxford Lad; Oxford's Brigadier, a son of Gambo Knight; Merry Maiden's Golden Lad, a son of Merry Maiden's third son; and Eurybia's Exile. I have but a few of these calves that are ready for service. Will sell them reasonably while they last. Write for prices and particulars. W. N. Banks, Independence, Kan.

## SHORTHORN CATTLE

GREENDALE  
SHORTHORNS

A few choice bull calves for sale, sired by my noted herd bull, Double Champion, by Choice Goods, and out of Ruberta. Write for prices and full particulars.  
ED GREEN, Howard, Kansas.

SHORTHORN  
HERD BULL

Pure Scotch Bull, "Whirlwind," for sale. Solid red with lots of scale. Also, 10 young bulls; Scotch and Scotch topped. Ready for service. And a few cows and heifers, bred or open. Write for prices and descriptions.  
S. B. AMCOATS, Clay Center, Kan.

## NEW BUTTERGASK SHORTHORNS.

Herd headed by Snowflake's Stamp and Snowflake's Star, the latter the cup winner at the 1911 Mitchell County State-Wide Fair. Straight Scotch and Scotch-topped bulls for sale.  
MEALL BROS., Props., Cawker City, Kan.

## HIGH-CLASS SHORTHORNS FOR SALE.

Three choice bulls by Good News by New Goods by Choice Goods and out of my best Shorthorn cows. Also a number of good yearling heifers, reds and roans. Come and see my herd.  
JOHN REGIER, Whitewater, Kansas.

## HOLSTEINS—Two bulls, 15-16ths pure, 8 to 4 weeks old, sired by Admiral De Kol Wayne (51432). Beautifully marked, and choice individuals, \$20 each, crated for shipment. Also, two heifer calves. Edgewood Farm, Route 4, Whitewater, Wis.

## MAPLE GROVE HERD SCOTCH SHORTHORNS.

Herd headed by Lord Muttineer 279228. A number of high class bulls for sale, herd headers, and will be priced right for quick sale. Write for description and prices.  
PERRY O. BROWN, Lamoni, Iowa.

## GLEN HALL SHORT HORN HERD

Headed by Choice Prince, by Prince of Teho Lawn and out of Good Lassie by Choice Goods. 5 choice red bulls in age from 10 to 14 months. Herd header, Prospects.  
JOHN O'KANE, Blue Rapids, Kan.



## FIELD NOTES

## FIELD MEN.

Wayne Devine.....Topeka, Kan.  
 Jesse R. Johnson.....Clay Center, Kan.  
 W. J. Cody.....Topeka, Kan.

## PURE BRED STOCK SALES.

**Aberdeen-Angus.**  
 April 9—W. W. Andrews and C. D. and E. F. Caldwell, at Maryville, Mo.

**Angus Cattle.**  
 May 16—E. M. Gates, La Plata, Mo.

**Holstein Cattle.**  
 April 20—F. J. Searle, Oskaloosa, Kan.; sale of 100 head at State Fair grounds, Topeka, Kan.

**Jersey Cattle.**  
 April 25—Sale at Hiawatha, Kan., Western Jersey Cattle Breeders' Henry E. Wyatt, Falls City, Neb., Manager.  
 April 25—E. C. Settles, manager, Palmyra, Mo. Sale at Hiawatha, Kan.

**Shorthorns.**  
 April 10—H. M. Hill, Lafontaine, and S. C. Hanna, Howard, Kan. Sale at Fredonia, Kan.

**Aberdeen Angus Cattle.**  
 April 30—American Aberdeen-Angus Breeders' Association sale at Omaha, Neb. Chas. Gray, secretary, Chicago.  
 May 2—American Aberdeen-Angus Breeders' Association sale at Chicago. Chas. Gray, secretary, Chicago.

**Poland Chinas.**  
 April 20—Roy Johnston, South Mound, Kan.  
 May 14—Nevius & Wedd, Chiles, Kan.  
 May 15—Matt Alton, Erie, Kan.  
 August 7—J. B. Lawson, Clarinda, Ia.  
 August 7—Evening Sale, L. R. McLaron, Braddyville, Ia.  
 August 8—J. W. Pfander & Sons, Clarinda, Ia.  
 August 9—J. O. James, Braddyville, Ia.  
 Sept. 27—John T. Curry, Winchester, Kan.  
 Oct. 15—H. B. Walter, Effingham, Kan.  
 Oct. 16—H. C. Graner, Lancaster, Kan.  
 Oct. 17—M. T. Williams, Valley Falls, Kan.

**Duroc Jerseys.**  
 July 26—E. W. Davis & Co., Glenwood, Mo.

C. M. Albright, owner of the Clover Lawn herd of Double Standard Polled Durhams at Overbrook, Kan., changes his advertising card this week and offers some more dehorners.

**Saddle Stallion to Trade.**  
 G. S. Lawson, Ravenwood, Mo., is offering a saddle-bred stallion to trade. Read his offer in the advertising columns, and act quickly. His advertisement will only appear twice.

**Alysdale Shorthorns.**  
 C. W. Merriam, owner of Alysdale Shorthorns, Topeka, Kan., offers three very choice young bulls by his Archer herd bull. Mr. Merriam is a good feeder, and these bulls will please you. Note his offer in the Reader's Market Place.

**Lambert's Polands.**  
 Josias Lambert of Smith Center, Kan., has the correct type of Poland Chinas, and is advertising both pigs and bred sows for sale. He won 10 prizes at Topeka State Fair on his show herd. They are of the big, smooth kind, and you will like them. Write him.

**Will Trade Boars.**  
 Mr. L. C. Walbridge, Poland China breeder, of Russell, Kan., offers to trade his noted big type boar, "Blue Valley Expansion," for another boar of equal merit and of such blood lines that he can use him on the gilts bred by Blue Valley Expansion. Mr. Walbridge will guarantee his boar fully, and it almost goes without saying that he is one of the best big boars of the breed today. Write Mr. Walbridge.

**Selbert, Colo., July 6, 1910.**  
**CURRIE WIND-MILL CO., Topeka, Kan.**  
 Gentlemen—In regard to the Wind-Mill you shipped me, I am more than pleased with it. It is as perfect as a mill could be and runs almost noiseless. As the price was so cheap I expected to get a cheap mill but find that instead I have a first class up-to-date mill. Yours truly,  
 C. H. JEWETT.

**Select Seed Corn.**  
 Owing to the heavy snows and backward weather for the time of year, many farmers have not yet secured seed corn for this spring's planting. The large advertisement of Ratekin's Seed House, Shenandoah, Iowa, on another page in this issue, will be of interest to everyone who has yet to secure his supply of reliable seed corn. Now is a good time to write for information or to place seed corn orders.

**Sales' Eureka Polands and Durocs.**  
 W. H. Sales, owner of the Eureka herds of pure-bred Poland Chinas and Duroc Jerseys at Simpson, Kan., in sending in a change of copy for his advertisement says that Kansas Farmer has sold him out of hogs, but he is still in the business. In spite of the bad weather he keeps right on selling hogs, and now has several litters of both breeds that are doing fine. Get him to book your order now and have your choice.

**W. T. Trotter's Jack Sale.**  
 W. T. Trotter of Mt. Airy, Iowa, will hold his first annual jack sale at that place April 8. Mr. Trotter's offering will include the great jack Keno 3473, and 11 other outstanding good jacks ranging in age from three to seven years and in size from 14 to 16 hands high, with lots of bone and quality. Every jack in the offering is black with white points, and all are good breeders. This will be one of the best offerings of the season, and breeders who are on the market for a high-class jack should attend this sale. See Mr. Trotter's announcement on another page.

**Red Polled Babies.**  
 H. L. Pellet, Eudora, Kan., has a mighty good proposition. He has a large herd of registered Red Polled cattle of the best lines of breeding, and is offering young bulls ready for service and calves that have been taught to drink and that can be raised on the cow or by hand. This herd is headed by Sheridan 14700 by Major Lee 9533; Belly Buster 17776 by Belly Boy 13311 and Clark 21356 by Maypopson. Here is a splendid opportunity to get a start in this famous dual-

purpose breed at a very small outlay of cash. These young bulls are cheap if taken now, and will give opportunity for you to train them as you like.

## Lambert Has Bred Sows.

Mr. Josias Lambert, the very successful breeder of big, smooth type Poland Chinas, located at Smith Center, Kan., offers for sale 20 bred sows. Mr. Lambert won ten ribbons at the Kansas State Fair last year. His hogs are the big, smooth kind, and he feeds them in an intelligent manner. Mr. Lambert also has a few fall boars and gilts that he will price reasonably.

## Shellabarger's Rocks and Orpingtons.

F. H. Shellabarger, the well known poultry judge, of West Liberty, Ia., has begun advertising his Blue Jacket Strain of Barred Rocks, Crystal Strain of White Orpingtons in this paper. The advertisements will be found in the classified poultry pages under the respective headings. Shellabarger is a breeder and judge of many years' experience, and will be glad to quote prices on eggs or stock to all who write.

## Last Call for Andrews-Caldwell Sale.

Again we call attention to the Aberdeen Angus sale of W. W. Andrews and C. D. & E. F. Caldwell, to be held at Maryville, Mo., Tuesday, April 9. This offering will consist of 45 head of the best blood and individuality of the Aberdeen-Angus breed to be found in the country. This select offering has been drafted from two of the best herds in the country and consists of Blackbirds, Trojan Ericas, Pride of Aberdeen, Queen Mother, Heather Bloom, and only the best, not only from a standpoint of breeding, but also individuality. The offering will include both sons and daughters of Undulate Blackcap. No 2d 16275, a grandson of Prince Ito 50006, twice champion of the Highland Society show and the sire of more noted prize winners than any bull known to the breed, and his record price of \$9,100 stands today without an equal. Send for catalog and note the pedigrees of the offering and the three great herd bulls, Undulate Blackcap 2d 16275, Black Lad 2d 96893, and Blackbird Printo 142246.

## J. E. Clary &amp; Son's Annual Sale.

The fifteenth annual stock sale of J. E. Clary & Sons of Sheridan, Mo., was held at the Clary stock farm near that place on Tuesday, March 19. Although the weather conditions were not favorable, the attendance was good. Many buyers from neighboring states were present, and Missouri was well represented, and the sale, like all former sales held by Clary & Sons, was a success. The offering consisted of horses and mules, cattle, sheep, hogs, jacks and jennets. The herd jack, Ben Hur, topped the jack sale at \$1,310, and the entire offering of jacks, including the yearlings, sold at an average of \$410 per head. The horses, mules, cattle, sheep and hogs offered brought good prices. The Clary & Sons sales have been the annual sale events in that section of Missouri, and they are already planning for the biggest sale next year in the history of Clary & Sons' stock farms. During the past year they built one of the finest stock barns in that section of the country, and they are preparing to build another barn and modern sale pavilion combined, which will be a convenience that their growing sale business demands.

## Held Sale Anyway.

Although no trains were running and but few farmers could get to town on account of the condition of the roads, and with no telephone connections and a mere handful of buyers, Huber J. Griffiths made one of the very best sales of the season at Clay Center, Kan., last Saturday. The offering was good and the inquiry for catalogs indicated a good sale, but buyers were unable to attend. Mr. Griffiths, however, determined to give the few buyers present the benefit, and went ahead with the sale. The entire lot of catalogued stuff averaged \$25. A partial list of buyers follows:

2—A. L. Fellows, Clay Center.....	\$37.00
3—A. L. Fellows.....	30.00
4—A. L. Fellows.....	35.00
5—J. Z. Sterrett, Clay Center.....	19.50
6—Carl Brunz, Green.....	27.00
7—Joe Kay, Clay Center.....	23.00
8—T. J. Brunz, Clay Center.....	22.00
9—Mat Hill, Clay Center.....	24.50
10—R. G. Randall, Clay Center.....	28.00
11—E. G. Christenson, Clay Center.....	20.00
12—J. A. Murphy, Clay Center.....	26.00
13—Robert Silingsby, Clay Center.....	26.00
14—August Smith, Clay Center.....	23.50
15—Robert Silingsby.....	24.00
16—A. J. Wood, Council Grove.....	21.50

## The Big Shorthorn Sale.

Do not forget the big Hill-Hanna sale of Shorthorns at Fredonia, Kan., on April 10, next. Fifty head of choice cattle, representing the best lines of Scotch breeding, and not a common one in the lot. Among the jewels to be offered are the wonderful young bull, Prince Mistletoe 338508, by Prince Royal 270647, dam Mistletoe 2d by Imp. Collynie 135022. Mistletoe 2d is a full sister to Sweet Mistletoe, Pride of Collynie and Captain Archer, all very noted animals. Princess Royal 620, the dam of Prince Royal, was especially selected by Mr. Marr, of Uppermill, Scotland, as one of the choicest representatives of his breeding and the highest priced bulls sold by Mr. Duthie in recent years have been of this family. If you don't need this bull yourself, you ought to jump at the chance to buy some of those splendid cows that are bred to him or to Collynie. This breeding of Collynie stuff cannot be had in many places and the old bull is dead. It has made big money for Mr. Hanna. Mr. Hill and other breeders and farmers who have had it. It will make money for you. Get some of it when you have the chance. H. M. Hill, Lafontaine, Kan., will send you a catalogue if you will mention Kansas Farmer when you write.

## Percheron Importing Company Selling Good Stallions.

The attention of farmers and breeders wanting high-class draft stallions is again called to the card of the Percheron Importing Co., South St. Joseph, Mo. This company has long had the reputation of importing only high-class horses, and their importation during the fall of 1911 was no exception to the rule. In fact, many competent judges pronounced the recent importation the best lot ever imported by that company, and in support of their judgment attention may be called to the list of prize winners that were in that lot. They still have a number of outstanding good stallions that will interest horsemen wanting a strictly high-class imported stallion. Among the recent sales reported by that company are the following: The champion Shire stallion, Harbinger Albert, to H. I. Clevenger, Holden, Mo.; the fine dapple gray Percheron stallion, Inbus, and black

Percheron Bernard, to L. Fiatt, Sabetha, Kan.; the black two-year-old Percheron, Imposant, to Day Bros., Eudora, Kan.; a dapple gray Percheron stallion to Joseph Truedel, Lyndon, Kan.; the black Percheron stallion, Japl, to W. W. Townsend, Tarkio, Mo. Other purchasers of Percheron stallions recently were Al Walters, Rock Port, Mo.; Henry Schrieber, Falls City, Neb.; O. A. Patton, Laclede, Mo., a 2,100-pound two-year-old, and McCormick Bros. & Lyman, Bates City, Mo., the ton stallion Impli.

## Bay Percherons Popular.

The establishment of a great herd of bay Percheron horses is an achievement, and the distinction rightfully belongs to Dr. J. T. Axtell, of Newton, Kan. The herd is headed by the great bay stallion, Paragon, and numbers now about 50 head. All are registered in the Percheron Society of America. Dr. Axtell is a stickler for the bay color, and claims that it never fades, but always looks bright and clean, and will stand the heat on a hot summer day better than any other color. In the work of development of this herd, Dr. Axtell has kept uppermost his idea of individual excellence. Paragon, a dark bay with white star, is an exceptionally fine stallion, weighing about 2,250 pounds, of fine conformation, style and heavy bone. All his colts are very promising. There are now several 3-year-old stallions weighing a ton each. The herd mares comprise about 20 large bays, all in foal to Paragon. The writer spent several hours looking over this good herd, and we can assure any admirer of good horses that they would enjoy a visit to Dr. Axtell's farm and feel well paid for the trip. The breeding farm adjoins town. Dr. Axtell has just completed one of the most modern, up-to-date hospitals in our state, and expects to devote most of his time to his practice, and is offering his entire herd of valuable Percherons for sale. Anyone wanting the bay Percherons will do well to call on Dr. Axtell at Newton, Kan. Please read advertisement in this issue, and mention Kansas Farmer.

## Kansas' Greatest Holstein Sale.

At the Topeka State Fair grounds on Saturday, April 20, there will be held the greatest sale of pure-bred registered Holsteins ever made in Kansas. The offering will number 100 head of very high-class animals, many of which have A. R. O. records and all are heavy producers. Frank J. Searle of Oskaloosa, Kan., owner of the famous Sunflower herd, will manage the sale, and will contribute a large number from his business herd of cattle, which have performance records of from 13½ to 25 pounds of butter per week. Cows producing 14,000 pounds of milk or more per year are common in this herd. The Sunflower herd is headed by Tiranias Lady-Aouda 5th King, whose dam and sire's dam averaged 29.51 pounds of butter per week and whose milk tested 3.85. This is a wonderful bull, and his pedigree is filled with A. R. O. and high-producing cows. Mr. Searle's offering will all be bred to or sired by this great bull. J. W. Macrum of Haigler, Neb., will disperse his entire herd in this sale, and R. E. Hager, the famous breeder of Algonquin, Ill., will contribute about 40 head of fine animals. Mr. Macrum's herd is headed by Sir Johanna Lucyra Colanhus 53403, who is the sire of all of his young stuff in the sale. R. E. Hager is well known as a big breeder of Holsteins, and his consignment will maintain the standard set for this sale. This sale will be the biggest thing of the kind that ever happened in Kansas, and Mr. Searle hopes to make it an annual affair. All cattle over six months old are tuberculin tested. Write F. J. Searle, Oskaloosa, Kan., for a catalog, and kindly mention Kansas Farmer.

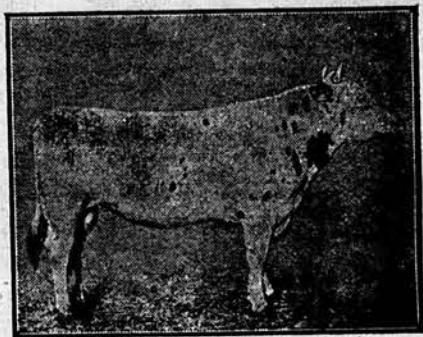
## Farm Telephones.

The farm telephone can give the same good service enjoyed by towns and cities, if the proper telephone equipment is installed on the rural lines. In the cities it is the practice to run an individual line to one telephone, if the subscriber will pay the price. And many businesses pay the high price necessary for such service, owing to business needs. Then again it is a city practice in telephoning to run party lines for less money per subscriber. But these party lines usually are for not more than four telephones—in many places only two phones. But on rural lines sometimes as many as 40 telephones may be strung on one line, which makes an individual problem of farm telephoning. The farmer can not afford to pay the high price of a single telephone service, or even of a two or four party line service. To have telephones at all it is necessary that the installation shall be one that will provide for a cost that can be easily afforded. Until the system of "bridging" numbered telephones on one line was invented, the practice of stringing from 10 to 40 telephones on one line was pretty much a failure, as far as practical service went. And even after the "bridging" system was devised there was still much defect in extended party line service. By "bridging" is meant the system of stringing a number of telephones on one line on which any two telephones could be used without disturbing others. This was successful when inquisitive neighbors or children didn't take down too many receivers at the first sound of any signal bell. This defect proved so serious on some lines as to render telephone service almost useless. Various expedients were tried to overcome this defect. Finally the Kellogg Switchboard & Supply Co. succeeded in bringing out a telephone equipped with a little device called a "condenser." The operation of this device is difficult to explain outside of a special article on the subject. However, the device has for a number of years proved successful, and farmers who are on lines equipped with Kellogg telephones get the benefit of the lowest cost, together with full satisfaction of service. On a line with 20 other telephones any two may talk and no others may know that any telephones are in use. Just how the system works out, why it was devised, cost of installation, in fact full particulars, will be cheerfully furnished by the Kellogg Switchboard & Supply Co., from the nearest of their offices, which are at 1413 Main St., Kansas City, Mo., and in Chicago, Ill. Every farmer interested in telephones, either as a present or prospective user, should send for and read the Kellogg telephone books.

## G. C. Roan Has Good Jack Sale.

G. C. Roan's third annual jack and jennet sale, which was postponed February 26 and 27 on account of the heavy snowstorm and blockade, was held at La Plata, Mo., March 14 and 15, and although the weather was very unfavorable the sale was well attended and the offering was sold at a fair average, when the unfavorable conditions under which the sale was held is considered. Clover Leaf King 3747 topped the sale at \$1,470. G. W. Cantwell of Sterling, Kan., was the purchaser. The following is a list of purchasers:

G. W. Cantwell, Sterling, Kan.....	\$1,470
G. L. Carey, Ashland, Kan.....	655
O. A. Bunnell, Knox City, Mo.....	285
R. J. Merryfield, Minneapolis, Kan.....	910
Irvin Thompson, Wilmarthville, Mo.....	435
H. McClannahan & Son, Renshaw, Ill.....	725
F. J. Murry, Sue City, Mo.....	490
J. S. Kimball, Glenwood, Mo.....	785
Spurgeon Bros., Williamstown, Mo.....	605
John Churchill, Sterling, Neb.....	280
F. M. Ridgeway, Swan, Iowa.....	395
George Witcher, Nelson, Mo.....	925
French Carter, Rutledge, Mo.....	1,000
F. D. Lawson, Kirksville, Mo.....	345
George Billings, La Plata, Mo.....	600
J. A. Houchlin, Jefferson City, Mo.....	600
J. A. Burns, Brookfield, Mo.....	600
J. A. Houchlin, Jefferson City, Mo.....	200
T. F. Barnett, Galesburg, Ill.....	320
Jennets—	
P. H. Summers, Callao, Mo.....	550
George Witcher, Nelson, Mo.....	95
P. H. Summers.....	855
George Witcher.....	145
Ed Smock, Lenton, Mo.....	150
George Witcher.....	165
Ed Smock.....	225
Thomas Bryan, Palmyra, Mo.....	180
J. E. Burns, Brookfield, Mo.....	195
Ed Smock.....	250
Obe Broyles, Brownings, Mo.....	270
Obe Broyles, Elmer, Mo.....	110
Ray Davis, New Boston.....	85
Obe Broyles.....	155
George Witcher.....	230
John Turner, Ethel, Mo.....	205
Obe Broyles.....	135
John McQuay.....	250
W. H. Ronjue, La Plata, Mo.....	85
Ed Smock.....	100
Summary—	
20 jacks sold for.....	\$11,690; average \$584.50
21 jennets sold for.....	4,045; average 192.61
41 head sold for.....	15,735; average 383.78



PIETERJE HENGERVED NANNETTE 65571.

Herewith is shown a snapshot of the splendid young Holstein bull, Pieterje Hengerveld Nannette 65571, no wat the head of the W. C. Jones & Son's herd on Route 2, Topeka, Kan. This bull was first in class and junior champion in the state fairs at Topeka, Hutchinson and Oklahoma City, and at Leavenworth county fair. He also headed the young herd which won first prize at all these fairs. Mr. Jones won 61 prizes with this bull and the young herd which he headed at these fairs. The firm has some splendid daughters of Ethel Alexander 2ds Sir Netherland 26423 that had a show record second to no other bull of the breed in Kansas, and these will be mated with the present bull for something extra fine. His great grand sire had more than 100 A. R. O. daughters and his whole pedigree is full of A. R. O. records. His dam gave nearly 40 pounds daily without extra feed. Mr. Jones is offering some of these cattle for sale. Read his advertisement and kindly mention Kansas Farmer when you write.

## Isaac C. Lohman's Jacks and Stallions.

Isaac C. Lohman, of Turney, Mo., is advertising several good jacks from 3 to 8-years-old, also a 6-year-old Percheron stallion and a 3-year-old saddle stallion. The jacks offered by Mr. Lohman are all black with white points, good heavy bone and good head and ear, and they range from 14½ to 15 hands high. The stallions offered are both high-class horses and Mr. Lohman is offering both stallions and jacks well worth the money. If interested in stallions or jacks at prices that puts them in the bargain class, write for prices and description of stock. Please mention Kansas Farmer when writing.

When writing advertisers, please mention KANSAS FARMER.

## E. R. Morgan Sale Postponed.

E. R. Morgan, Blue Rapids, Kan., whose sale of 55 registered Duroc Jerseys, 80 head of stock hogs and an imported Percheron stallion was announced for Tuesday, March 26, has been obliged to postpone the sale because of the storm and the condition of the roads, to Tuesday, April 4. Make a note of this, and be sure to attend. There will sure be some bargains. See his ad on page 20.

I would not count running water in the hog lot as wholly a blessing. If it originates outside of your own property it might bring in the germs of cholera. Hence when cholera prevails hogs should be kept from it.—J. F. DUGGAR.

## HIDES AND FUR MARKET.

(Furnished by Jas. C. Smith Hide Co., 108 East Third Street.)

**HIDES**—Salt cured, No. 1, 12 c; No. 2, 11 c; side brands, over 40 lbs., per lb., 10c flat; side brands, under 40 lbs., 9½c flat; bulls and stags, No. 1, 9c; No. 2, 8c; glue hides, 6c flat; horse hides, No. 1, \$3 @3.50; No. 2, \$2@2.50; tallow, No. 1, 5c; No. 2, 4c; sheep pelts, 35¢@85c. Green uncured hides, 1½c less than same grade cured. Green half cured, ¾c less than cured. Green frozen hides grade as No. 2.  
**FURS**—Mink, Central: No. 1 large, \$4.50 @6.50; No. 1, medium, \$4.25@5.50; No. 1, small, \$3.00@2.00. Raccoon, Central: No. 1, large, \$2.00@1.25; No. 1, medium, \$1.25@1.00; No. 1, small, 90¢@65c. Skunk—Prime, black, \$3.00@4.00; short stripe, \$2.00@2.50; narrow stripe, \$1.35@1.50; broad stripe, 75c; best unprime, 75¢@1.25. Muskrat, Central—No. 1, large, 50¢@35c; No. 1, medium, 38¢@30c; No. 1, small, 25¢@20c. Fox, Red and Gray—No. 1 red, \$5.00@1.25; No. 1, gray, 75¢@2.00. Wolf, Prairie and Timber—No. 1, prairie, \$4.00@75c; No. 1, timber, \$6.00@1.00. Cat, Wild and House—No. 1, wild, \$1.10@25c; No. 1, house, large, black, 20¢@10c; No. 1, house, medium, colors, 10¢@5c. Civet, Central—No. 1, 45c. Badger—No. 1, \$1.00@30c. Early caught furs at value.



# FRANK IAMS' REDUCED PRICES



Are the "big talk" of "horse buyers"—Iams has "cut prices"—To close out his stallions and mares at from \$100 to \$500 each on "Business" and "Show horses"—"Iams and the Pink Lady" are "up to the minute" as "salesmen" and his horses will positively be sold. They are the "Drafty, big-boned type"—"Nifty big Black Boys"—the real "medal winners"—sensational "show and business horses" of note, "ripe peaches" from the "select 400." Big, classy "Peaches and Cream"—"Black Boys." The "Iams Brand" of "topnotchers." Iams "Percheron and Belgian stallions and mares are in the 'Pink of Condition' and ready for a 'good selling.' 'Ikey, boy,' smile sweetly, and hundreds of Iams' satisfied customers 'will sit up and take notice' that 'Iams, the King Pin' horse importer is still 'doing business' at the 'old stand.' Iams is 'pushing' his horses to the front. The big 'Peaches and Cream' 'Boys and Girls' are attractions that can't be overlooked. Iams mesmerizes buyers with 'real drafters' at 'bargain prices,' and having the 'horses as advertised.' Iams' 'competitors' and 'hammer knockers' are 'boosting Iams' by their 'knocks,' until now he is known as the 'Millionaire Horseman,' and on 'Easy Street,' and growing fast. Ikey, 'Come on along,' and sing Iams' song. He is selling these 'aristocratic,' fancy 'Black Boys' cheaper than ever—or better horses for less money—\$1,000 and \$1,400 (few little higher). Iams has

## 90—PERCHERON AND BELGIAN STALLIONS AND MARES—90

They are "Models"—"Humdingers." They are 2 to 5 years old, weigh 1,700 to 2,500 lbs., 80 per cent blacks, 50 per cent ton horses. All "approved" and stamped by "European government." Registered in popular stud books of U. S. Many "prize winners" and "gold medal horses." Big, Drafty, "top notchers," with big bone, quality, style, finish and action to burn. They are "Eye-openers"—large and better horses than seen elsewhere. Big "business propositions" that make "the wheels work fast" under a "Buyer's hat." "Georgie, dear," Iams made a "big killing" by buying his horses in Europe in October, 1911. "Dry weather," "bad crops," "close money" and "Iams' cash" caused the "prize winners" and "tops" to be thrown on the market for a "good selling." Iams "cut the melon" and bought the "rippers" at "knockout prices." Iams will give his customers the benefit of his "good buy." "Ikey, boy," "come on down town"—get into Iams' "get rich wagon" and save \$1,000 on a "top stallion" (and you wear the diamonds). Iams is a "big fly in the jelly" in the horse world. He keeps the "gang guessing." Iams sells "Imported horses only"—(They win 90% of prizes at big horse shows). No "American bred full bloods"—no "Auction stuff" or "Peddlers' horses"—only "choice drafters" of big size, bone, quality and finish.

Iams' imported horses are "approved"—"branded"—"Inspected,"

and "Certificate stamped O. K."

by governments of "France and U. S. A." Iams has the "crack stallions and mares" you "read about." Buy horses of Iams and you won't "get stung" in horse or price. "Dolly D," waltz me around once again, "Ikey," land me at Iams' box office and importing barns. Full to "the roof" with "Black Boys" (and all must be sold). Reduced prices. All the world knows Iams and his "Peaches and Cream" horses. 1912 promises to be a bumper year to Iams and his customers. He saved \$300,000 to stallion buyers in 1911. Watch "Iams' smoke" in 1912. Iams' 30 years of successful business make him a safe man to do business with Iams' sells horses "on honor." A boy or a lady can buy as cheap as a man. Iams' 1912 Horse

**CATALOGUE IS AN "EYE-OPENER."** IT HAS "A LAUGH" AND A \$1,000 bargain in every line. A "bunch of gold," to stallion and mare buyers. It is full of the real "peaches and cream" stallions. It is the finest, most elaborate and original up-to-date horse book in the world. Iams, the "square deal" horseman, makes every statement in ad or catalogue good—or you get the \$500 he hangs up. Iams guarantees to sell you a better imported stallion at \$1,000 and \$1,400 (few higher) than are sold to stock companies for \$4,000. Imported mares, \$700 and \$1,000. Iams gives 60 per cent breeding guarantee; pays freight on horse and fare of one buyer. He can furnish \$1,500 insurance. Iams buys and sells every stallion himself. Saves buyers \$1,000 in middlemen's profits. He buys stallions by "trainloads." He speaks the languages—(saving 20 per cent). He is not in the "Stallion Trust." No partners—to share profits. He "pays cash" for his horses—and sells "top notchers" by "hot advertising" and having "the goods." "Big Ikey," leave your "happy home and buy a 'top' stallion or pair of imported mares (of Iams) that bring colts that sell at \$500 each. "Papa," don't let those "auction men" "hand you a lemon" in one of these "so-called" "American full-bloods" of questionable breeding. Buy an imported horse of Iams, the "reliable horseman." (Then we will "all wear diamonds.") Iams' "selling clothes" fit all buyers. Write for Iams' million-dollar horse catalogue. Iams won't let you go without a Peaches and Cream stallion or mare. "He sells the tails off them." Iams' guarantees are backed by "half-million dollars." References—1st Nat'l and Omaha Nat'l Banks, Omaha; Packers Nat'l Bank, So. Omaha; Citizens State, 1st State and St. Paul State Banks, St. Paul, Neb. Iams buys big ad space because it is cheaper than flannel-mouthed horse salesmen.

S T . P A U L ,

N E B R A S K A

## Kansas' Greatest Sale Registered Holstein Cattle

STATE FAIR GROUNDS  
TOPEKA, KANSAS  
Saturday, April 20, 1912

From the working herds of F. J. Searle, Oskaloosa, Kan., and R. E. Haeger, of Algonquin, Ill., with an entire dispersion of the herd of J. W. Macrum & Son, Haigler, Neb.

100 Working 100  
Holsteins

including many A. R. O. cows and heifers from the leading and most fashionable families of the highest producing strains. An even lot of high-class, well grown animals, in good condition. Every animal over 6 months tuberculin tested. For catalogue, address,

F. J. SEARLE, Manager,  
Oskaloosa, Kansas

AUCTIONEERS—B. V. KELLEY, R. E. HAEGER,  
CHARLES CREWS.

W. W. Andrews and C. D. and E. F. Caldwell's

## ABERDEEN ANGUS SALE

At Maryville, Mo.,  
TUESDAY, APRIL 9th, 1912

FIFTY HEAD SELECTED FROM TWO OF MISSOURI'S BEST  
ANGUS HERDS.

Among the lot of young bulls to go in our offering there will be a number of herd headers. The entire offering of bulls is an outstanding good lot. The cows in our offering are among the best in the two herds represented in this sale and will include a number of imported cows. The offering will include Trojan Ericas, Blackbirds, K. Prides, Prides of Aberdeen, Queen Mothers and representatives of other popular families. Our offering is one that will interest Aberdeen Angus breeders wanting high-class cows or bulls. Catalog now ready. If you have not received one, write us at once.

W. W. ANDREWS & C. D. & E. F. CALDWELL,  
Maryville, Mo

## 100 HEAD AT AUCTION, Topeka, Kan.

STATE FAIR GROUNDS, APRIL 20, 1912,  
REGISTERED HOLSTEIN CATTLE.

Cows, heifers, heifer calves. A number of choice young service bulls. Many cows with A. R. O. records. All from A. R. O. breeding. Big, sound, straight cattle. As good breeding as you will find anywhere. In good condition and acclimated. Ready to do business without one year's loss for acclimation. Centrally located, ready for easy shipment, any direction. Write for catalogs, which will be ready about April 5.

Every Animal Over Six Months, Tuberculin Tested.  
F. J. SEARLE,

Sunflower Herd, - - - - - Oskaloosa, Kansas.  
Auctioneers—Col. B. V. Kelly, Syracuse, N. Y.; Col. R. E. Haeger,  
Algonquin, Ill.; Col. Charles Crews, Topeka, Kan.

Henley Ranch Shropshires.  
Attention is called to the card of the Henley Ranch, Greencastle, Mo., in this issue of Kansas Farmer. The Henley Ranch Shropshire flock is the largest and most select flock in Missouri, and breeders of Shropshire sheep should investigate this

offering. In addition to the large number of high-class Shropshires to select from they are offering special inducements to buyers who want a number of ewes. Write them for prices. They will interest you if you are interested in Shropshire sheep. Please mention Kansas Farmer when you write.