

Library

# KANSAS FARMER

For the improvement of the Farm and Home

Volume 50, Number 23.

TOPEKA, KANSAS, JUNE 8, 1912.

Established 1863. \$1 a Year

**S**ONS who do, and not sires who have done, are demanded by the times.

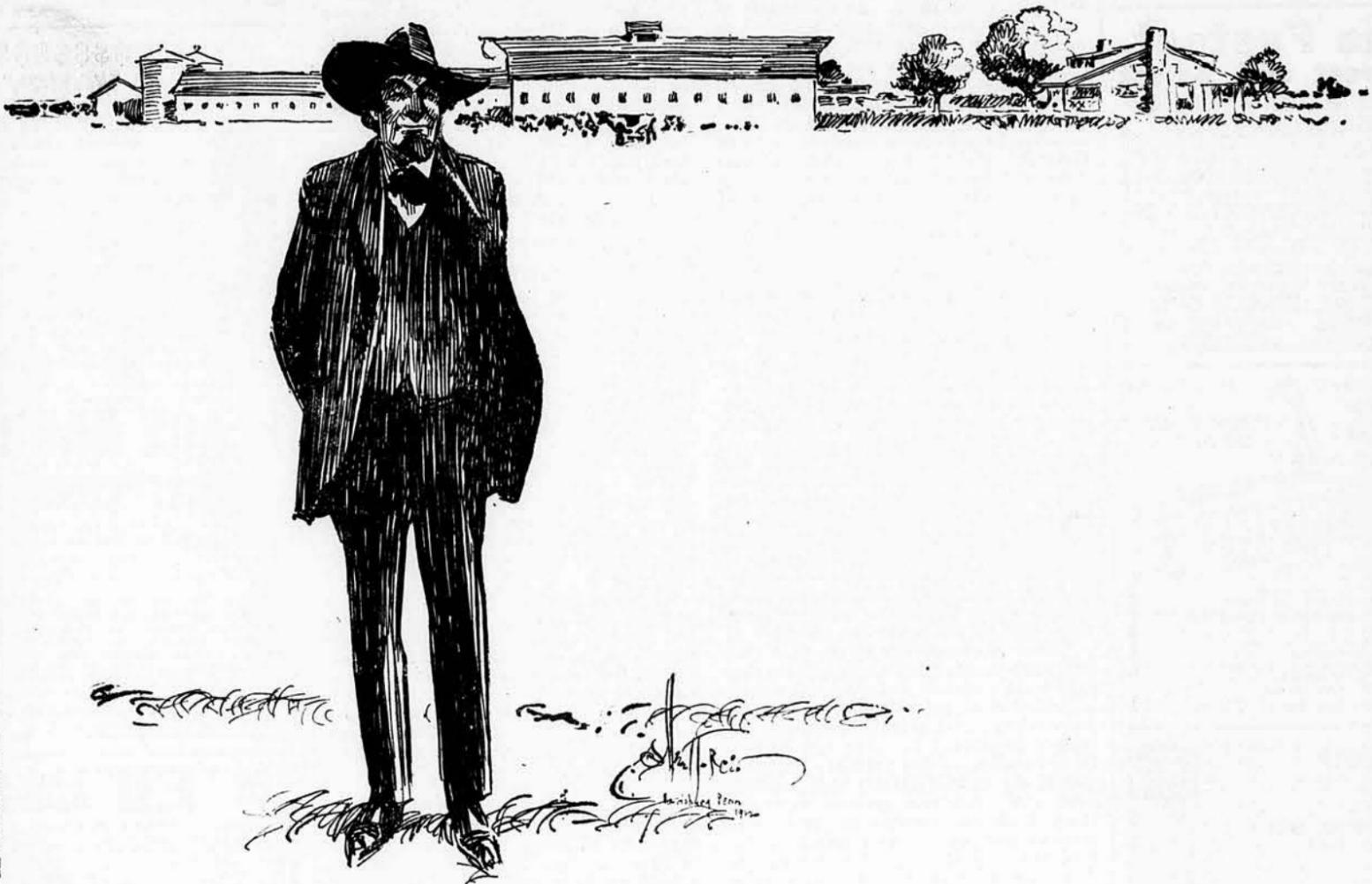
A man may number among his forbears the great who have won battles, conquered wildernesses, founded empires or increased the sum of human knowledge, but if his own work in life is not as well done, according to opportunity, he has descended. Some fame comes in every life and he who succeeds in anything raises himself above the average and elevates the scale of human life.

The farmer who does not stamp his personality on his farm, raise better cattle or corn or cauliflower than someone else, who dumps the manure in the creek, makes his wife carry water from the barn well, derides the experiment station and farms with his grandfather, does not fit.

All of human commerce rests upon the primitive activity of the farmer and if he fits, then all prosper.

An unfit man has but one distinction—he counts one in the census.

—I. D. G.



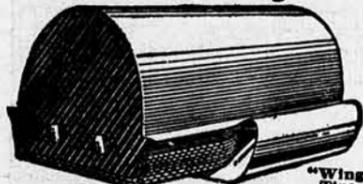
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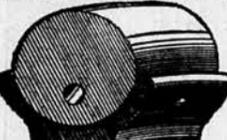
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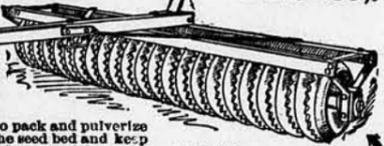


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**MORE FARM NOTES**

*Farm Letters and Comment From Other Departments*

**Guernseys for Kansas.** Mr. O. E. Walker and Mr. A. T. Daniels attended a sale of Guernsey cattle, held on the 23d inst., at Waukesha, Wis., by the Waukesha County Guernsey Breeders' Association, and on the 24th at Lake Forest, Ill., by Mr. Arthur Meeker, at the Arcady Farms.

Mr. Walker purchased 17 head of registered Guernsey cows and heifers at these sales and they will arrive at Topeka this week. A number of these cows were imported from the Island of Guernsey, and all are well bred specimens of this distinguished breed. The dairy interests of Kansas and Shawnee county are to be congratulated on this event, which cannot fail to be another important step towards the improvement of the dairy stock of this state and county.

With our fields of alfalfa, our silos full of silage, it is only necessary to have first-class cows to complete a paying proposition. KANSAS FARMER expects to present a more extended account of these cattle later, with illustrations.

**Winter Wheat Rust.**

Our subscriber, E. A. Porum, Okla., has 65 acres of winter wheat that is rusting badly. This wheat was sown October 1, 1911, is hard wheat, and until May 1 was in perfect condition. The rains have been heavy this winter and spring. He wants to know the cause for the rusting and whether or not there is any remedy therefore.

"The rusting of wheat is caused by a fungus closely related to those which cause the rust of oats, barley, corn and apples," says Neil Stevens, Plant Pathologist of the Kansas Agricultural College. "The name 'rust' is given to these fungi because they produce on the leaves or stems numerous yellowish or rust-colored spots which give the diseased parts the familiar rusted appearance.

"These rust spots are really composed of the spores, 'germs,' of the fungus and it is by means of these spores that the disease is spread. The spores are very light and carried great distances by the wind. When they fall on the leaf or stem of a wheat plant the spores germinate and the fungus grows down into the wheat plant, living on its tissues and destroying them. As the spores of the fungus can grow only where it is moist, it is evident that damp, rainy weather is most favorable for rust.

"There is, unfortunately, no known means by which rust can be prevented. Spraying, soil treatment, and seed treatment have all been tried in various states, but without great success. The most promising line of work at present seems to be in the securing of varieties of wheat which will resist the attacks of rust. It may be of interest to note that the Kansas Experiment Station, in cooperation with the Department of Agriculture, is at present working on this problem."

**Poor Handling of Eggs.**

According to a recent report of the Department of Agriculture, the egg dealers of Kansas suffer a loss of \$1,000,000 annually because of poor care and handling of the product. The report says:

"In spite of the fact that prices are better than they were formerly, the producers are not receiving as much for their eggs as they should, considering the ultimate prices paid by the consumers of these eggs. This is not the result of any combination on the part of buyers to keep prices down, for competition is usually sharp enough to cause as much to be paid as the buyer can afford.

"The real reason lies in the fact that the system of marketing and buying eggs in this section is faulty and causes a good deal of preventable loss and deterioration. This mainly because no incentive is offered for care and expeditious handling of the product. In other words, the careful farmer who markets good eggs as a rule gets no more for them than his careless neighbor who markets poor ones. As a result of this loss, prices paid to producers must be depressed to cover it, and this accounts for the difference between the prices paid for these eggs and the prices charged the consumers.

"At first glance it might be thought that this loss and deterioration was slight and of minor importance. Quite the contrary, however, is the case. From a careful study made of the situation, it appears that the annual loss resulting from these sources in the egg trade of the country totals about 15 per cent of the value of the product, or \$45,000,000.

"In the state of Kansas alone, where the investigations of the department have been principally carried on, the annual loss is estimated at more than \$1,000,000. A condensed report of the total receipts of three Kansas egg buyers during the months of July, August and September, 1910, shows the number of 'rots' thrown out as the result of candling, as well as the number of 'seconds' and 'checks' in two instances each month.

"The total receipts were 706,569 dozen. At 15 cents a dozen the value of the total receipts would be \$105,985.35. On the basis of 6 cents a dozen less for seconds and checks than for firsts, the loss due to this class would be \$5,191.26. The 66,449 dozen rots are an absolute loss of \$9,967.35. The total loss, therefore, for eggs thrown out and those deteriorated in quality is \$15,158.61, or 14.3 per cent of the original value."

**Silowing Sorghum Bagasse.**

Our subscriber, G. H. M., Rantoul, Kan., asks for information as to the value of sorghum bagasse as silage. This question has been presented through subscribers several times this spring and we have not been able to obtain information from those who have had practical experience in feeding this product siloed, and although we have the names of several Kansas and Nebraska parties who have so used sorghum bagasse we have not been able to obtain replies from these parties. Those of KANSAS FARMER readers who have had experience in feeding sorghum bagasse silage will do KANSAS FARMER readers a favor by reporting such experience.

O. E. Reed, Professor of Dairy Husbandry, Kansas Agricultural College, says that, in his opinion, this material will make a palatable and nutritious feed. The extraction of the sap from the cane will remove a considerable portion of the carbohydrates, but it seems that there should be sufficient carbohydrates left to make a fairly good feed. He says that in siloing this material it should by all means be put into the silo when fresh from the press and not allowed to heat before being placed in the silo.

A. L. Haecker, of Nebraska, says such silage will not be as high in feed nutrients as sorghum containing all the sap. Sorghum is largely carbohydrates and the cane is robbed of this element to a large extent when the sap is extracted. In all probability there is enough sap remaining, however, to make the feed nearer a balanced ration than when it contained all its sap. However, such feed would be high in crude fibre contents and could not be considered as good silage as corn or cane. It would, however, be far better than dry feed and of sufficient value to warrant preserving it.

The editor has had no experience in siloing sorghum bagasse. We have not talked with anyone who has had this experience. In years of short forage it is our opinion that it would pay well to place the bagasse in the silo. However, it cannot be as good silage as the whole sorghum or cane, and silage should be as good as it can be and therefore we recommend the placing of the entire plant—whatever that plant may be—in the silo. The silo cannot increase the feeding value of the crop placed therein. It can only retain the feeding value possessed by the crop in the highest degree possible and with all its original palatability.

The experience of the past winter is proving that cane makes good silage. We recently examined the results obtained by the Kansas Agricultural College in the feeding of sorghum silage to its dairy herd as compared with corn silage, and these results are very favorable indeed to the sorghum. This silage was, of course, made from the whole sorghum plant.

**Good Book On Feeding.**

At least one Bible and one dictionary should be in every home. In addition to these in every farm home should be a book on feeds and feeding. The best of such books is by Dean W. A. Henry, of Wisconsin Agricultural College. His work—"Feeds and Feeding"—was first published in 1898, and since its issuance has been an authority on this subject wherever feed has been grown for live stock and wherever live stock has been fed. The book has been printed in three languages. A recent edition has just appeared. It is a much better book than was the first. Farmers and stockmen should have it and use it.



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# KANSAS FARMER

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

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This is the story of the Union Pacific-Kansas Agricultural College live stock lecture train operated over the greater part of the Union Pacific mileage in Kansas last week. To be able in six days to place the gospel of more and better live stock before 12,000 people surrounding 56 towns in 25 counties, is a remarkable achievement, and made possible only by the co-operation of railroad and agricultural college. This was one of a dozen such trains which, during the past three or four years, have covered almost the entire railroad mileage of Kansas. The train method of disseminating instruction is the big, quick and successful way. The railroads furnish the train, equipment and crew and eating and sleeping accommodations for the speakers, with no expense to anyone except themselves. It costs a lot of money, too, to send out for a week's trip a train of five cars and a locomotive. The fact that the railroad companies are willing to assume this expense shows their interest in promotion of better agricultural methods. Be it understood that the Extension Department of the Kansas Agricultural College dictates the expression of its lecturers.

This train left Salina Monday morning of last week, going west over the Colby branch of the Union Pacific to Oakley; thence on the main line from Sharon Springs to Junction City; thence to Clay Center, and closing the week's trip at Leavenworth, stopping at each point for 30 minute lectures. The audiences were large as farmers' institute audiences go. A farmers' institute in Kansas does not draw as strongly as some other things—but is all the time drawing better. The largest crowds of the itinerary were those of Thursday—at Russell, Bunker Hill, Ellsworth and Wilson,—the Memorial Day exercises having brought many farmers and their families to town. The attendance upon the lectures at these points ranged from 600 to 1,200, necessitating as many as three overflow meetings at several points. However, the attendance at all western points was good, and exceeded the expectations of those managing the enterprise. The editor has traveled on a number of such trains and has spoken to dozens of such audiences, but we have yet to see audiences so attentive and deeply interested in the subjects discussed as were these. We are confident that the results of this train will be productive—the lectures being especially timely and the suggestions falling in field ready for the sowing. We assure the doubter that the fundamental principles of good and better farming are growing upon the people of Kansas, and that never before in the history of Kansas have the people of the state shown so much interest in and placed so much confidence in improved agricultural methods. People must accept the truth—and there is good reason why thousands of Kansas farmers are seeking the new light. The reason may not show up plainly here, for this is intended as a story of the train—with a few observations thrown in—and as an introduction to subsequent statements which will give our thought regarding the past, present and future of that part of Kansas west of the 99th meridian, and before which lie great possibilities along lines which have heretofore received little serious consideration.

The need of more and better live stock was the key note of every lecture—except in the women's car. The justification for a live stock campaign—just such as this was—is apparent to even the casual observer. It is not clear to the editor why the growing of feed and the raising of live stock have not already forced themselves upon the western farmer. The history of the section west of the 99th meridian, insofar as it pertains to exclusive wheat farming, together with the experience of its farmers, should, it would seem to me, compel the thought of horses, mules, milk cows and

calves, and the growing of the alfalfa and sorghums for their maintenance. For years the editor has been familiar with the thoughts and acts of farmers west of this section. Twelve years ago we were talking in farmers' institutes in the same towns visited by this train, and making the same suggestions as given by the train lecturers. The emergency then was not so pressing as now. There was more live stock in the country then and more cows were milked. The small farmer was depending almost wholly upon the sale of calves, cream and eggs for his living expenses. During the last 10 years he has gotten away from this diversification of farm operations and has devoted practically all of his attention to wheat. This is particularly true of the new farmer—thousands of whom have located in this section during the last decade. We believe the mistake of exclusive wheat farming is apparent. Note, we say, "exclusive". But this paragraph promises to run into a succeeding chapter. In the meantime, if you are a Western Kansas wheat farmer or otherwise interested in western Kansas progress and prosperity, will you please think the matter over carefully and be prepared to write what you think after we have stated our conviction?

The proper appreciation of sorghum and Kafir is lacking in most counties through which we traveled. These forage and grain crops, which are especially valuable to two-thirds of Kansas farmers, are pitifully neglected. The neglect is felt in the community prosperity, too. They are our most dependable grain and forage crops and as such deserve full consideration. These, including the several varieties of sorghum, Kafir, and milo, insure, to the fullest possible extent, winter feed for all the live stock the western farm will carry. This insurance, however, will depend upon man doing his share in giving the crop a chance. On the upland of Logan county we talked with a man who was drilling 1½ bushels of sorghum per acre. This field was near our train. The editor walked to the field to induce, if possible, the farmer to tie his team and attend the train lectures. Failing, we visited a half hour. We learned that this was the prevailing method of sowing sorghum in that county. We are sure the method is wrong—that it causes the farmer to almost throw away his chances for a crop. The normal rainfall does not justify such thick seeding. We would list sorghum, planting 4 to 5 pounds of seed per acre, with the rows the same distance apart as corn. This will apply to Kafir and milo. This method will permit cultivation and the forcing of growth and the plants will be plenty thick consistent with the surest crop—the latter being the one important thing. This method will require more acres, but the acres are plentiful. This listing method has been found advisable in localities where the rainfall is much greater than in the county of which we speak, and it is certain that farmers west of the 99th meridian can afford to adopt it.

Thousands of acres of alfalfa are growing on the comparatively low, flat spots of the uplands of the western counties, and this year's first cutting will yield three-fourths to a ton of fine quality hay. These spots will make another cutting if it rains. If a second cutting is not grown, the value of the first cutting will exceed the average gross income per acre of wheat the last 25 years—so alfalfa is not a poor crop. Farmers say there are still thousands of acres of undeveloped alfalfa land and that the reason it is not seeded is because of the difficulty attendant upon securing a stand, three or four trials often being necessary. The crop is worth the effort in every county of Kansas. Keep trying.

In the warehouse of several dealers the editor found stocks of big, white

seed corn grown in Iowa and for sale and sold for seed to the farmers of the community. Winona, in Logan county, was one such point. It is foolish to plant such seed in such locality, and it is a crime for a dealer to sell it to his farmers—his neighbors. It is not adapted to the conditions and will not make a crop. It is not unreasonable to expect the seed dealer who comes in contact with the farmer to know what crops are most certain, best for his locality, and for him to convince the intending purchaser that it is sorghum or Kafir he should plant. We are not doing as well as we know in many, many things, and in this one respect—that of discriminating with a view to planting the most certain crops for our locality—many of us are failing miserably.

On account of feed shortage last fall and an extremely severe winter, the west has suffered awfully. The live stock has been shipped out of the country at a tremendous sacrifice. It will require three or four years to re-stock the pastures. The feed shortage is in part due to the things we have above mentioned. Farmers were particularly attentive to that part of the lectures devoted to the growing of feeds for live stock and to the use of the silo as the most economical means of saving that feed—and especially as a means of carrying feed over from the fat year for the lean year.

It is a shame that the steam plow has been so busy in some parts during the past seven or eight years. Ten years ago there was plenty of land broken in those counties which are today almost wholly under plow. We feel at this moment that, within certain limitations and by certain methods of cultivation, the growing of wheat may be an essential factor in western farming. Under present methods and on the present scale it is our belief that the wheat farming is a failure. The elimination of a considerable percentage of the wheat acreage will not detract from land values, from the possible greatness of a section of which Kansas can and will be proud, but will, on the other hand, enhance values and make the country and her people more prosperous. The growth of more feed for live stock, the keeping of a maximum of live stock, with general farm methods adapted to soil and climate, will bring about the change. This is a condition which every land owner, merchant, banker, real estate dealer—and everyone else interested in the upbuilding of the land—can stand for and should boost with all his might. No business or country has ever been developed without the making of serious mistakes. In Kansas we have made ours—but, recognizing the errors, let us "right about face" and be encouraged and stronger and work harder that we may make up for lost time.

There are numerous instances in which marked successes have been made by dairying or growing good mules and horses by the small farmer. In the successes live stock farming stands out prominently. There are enough of them to show that they are not accidental. These should serve to point the way to a greater and more permanent prosperity. In these remarks we refer especially to the small farmer. The rancher, who, on his many acres, has much stock, is taking care of himself. He grows the feed—doing the best for feed he know how—and at Sharon Springs one rancher said he had never failed to grow feed enough to get his live stock through. At Quinter a farmer said he had lived there five years and each year had grown all the sorghum he needed for a dozen milk cows and their young stock. So you see when we are talking about the reasonable certainty of growing feed we are not "talking through our hat". We must hunt up these individual small farm successes,

profit by the experiences and follow what seems to have been best.

It looked to us as though along the line of the Union Pacific in Graham, Sheridan, Thomas, Wallace, Logan, Gove and Trego counties, there can be little wheat this year. This is a train window observation, supported by talks with farmers at every point at which the train stopped. In counties along this line of railroad east of those named, the outlook was good and farmers talked about a 60 per cent condition down to Ellsworth and Lincoln, east of which an 85 per cent condition was reported. Rain would be needed within a week, it was claimed. Last Saturday's rain, as reported by the weather bureau, resulted in a half inch precipitation as far west as the line between Phillips and Norton counties across the state.

The details regarding this train will prove interesting. One car was for boys and girls. H. L. Kent, of Kansas Extension Department, gave a valuable talk to little folks, presenting the fundamentals of the best agricultural practice and the principles of successful live stock farming. Mr. Kent has the rare faculty of presenting the commonplace matters of the farm in a way that the little folks cannot help but understand and learn and carry away an impression which, if encouraged, will result in their remaining on the farm and becoming prosperous agriculturists. If it were possible to have these fundamentals taught in our public schools as Mr. Kent teaches them, the future of agriculture and the question of the boys and girls remaining on the farm and succeeding, would once for all be solved.

Another car was devoted to the women, in which Miss Frances Brown and Mrs. Mary E. Simmons were the lecturers. Their lectures were devoted largely to the canning of vegetables, fruits and meats. On every farm should be grown the garden stuff necessary for the family, and this should be preserved in cans, resulting in a palatable and nutritious food, making a large part of the winter's food without outlay of money for canned goods from the grocer's shelves. The canning and the preserving of meats was demonstrated. They explained methods of cooking meats that the cheaper cuts might have palatability equal to that of the higher-priced cuts which are not more nutritious than the lower-priced cuts. This idea interested the ladies of the towns.

Two cars were for the lectures on more and better live stock. The following were the lecturers: E. H. Webster, Dean of Agriculture, Kansas Agricultural College; J. H. Miller, Director of Kansas Agricultural College Extension Department; O. E. Reed, Professor of Dairying, Kansas Agricultural College; George C. Wheeler and George S. Hine, Extension Department lecturers. The editor of KANSAS FARMER took his turn with other speakers. The lectures were devoted to the need of more live stock in Kansas, conforming to the conditions of those counties through which the train passed and in which the lectures were given. In this story it is not our purpose to outline these lectures. This will be given in subsequent issues of KANSAS FARMER.

The Union Pacific railroad was represented by Tom Carney, assistant general freight agent, who looked after the movement of the train and who kept the commissary department full. West of Junction City, Harry Richards, assistant division superintendent, and D. F. Lynch, traveling freight agent, lent a helping hand in taking care of the crowds. East of Junction City, H. M. Johnson, traveling freight agent, made himself useful. The success of the undertaking should be encouraging to the Union Pacific.

# GENERAL FARM INQUIRIES

Our subscriber, D. L. M., Isabel, Kan., writes that he likes KANSAS FARMER. He says he has been interested for some time in Holstein cattle and that he has written a number of our advertisers regarding stock for sale, and that prices seem high to him. He has had Herefords and Shorthorns and Red Polled cattle on his farm. He sells cream, and asks if we think it advisable for him to buy a Holstein male and cross on good grade red and muley cows.

If our subscriber intends engaging in dairying to such extent as his general farm operations will permit and is looking for the largest income per cow, considering the sale of both cream and the calf, it will pay him to place at the head of his herd a male of good dairy breeding, thereby grading up the herd to the point of doubling and possibly increasing three times the present milk yield of each cow. If he is going to milk cows, it will pay him to have the best producing cow he can obtain. The Holstein cross on the best of his common cows will give him good results. We take it from the tone of the letter that this subscriber is a small farmer and that he cannot afford to keep cows for the calf alone or for a small quantity of milk. If this is the subscriber's feeling and this is his situation, he is certainly justified in increasing the dairy products of his herd by grading up with dairy blood.

Regarding the price he will have to pay for a male of the right kind, he must keep in mind that well bred dairy animals are in constant demand, that most breeders are all the time pretty well sold out, but as a rule the breeder of dairy stock is not asking more for it than the stock is worth. It will pay our subscriber if he has or intends to keep ten to a dozen cows, to buy a good male, and by this we mean a male from large producing ancestry. This represents the value of the male because it is an indication of his ability to produce calves of ability to yield milk abundantly. The use of the right kind of male should result in his daughters at first milking being fully two times as good as their mothers, and as mature cows the daughters should give three times as much milk as their mothers. It is within the range of possibility for this subscriber—by the use of dairy-bred males of the right kind—to, in ten years, develop a herd the grass income of which from the sale of butter fat alone would amount to \$70 to \$80 per cow per year, leaving the calf and the skim milk for further income. Dozens of farmers in Kansas have done as well and many have done better. It is our idea that if only ten to a dozen cows are to be kept on a farm they should be capable dairy animals.

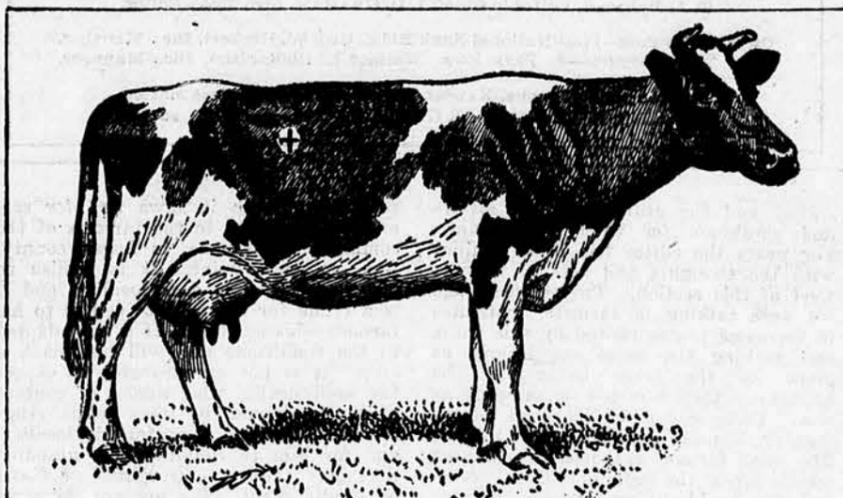
Our subscriber above mentioned sends the editor a dozen kernels of the seed corn he planted this year. The corn is fine. The subscriber writes that two years ago this seed made for him 28 to 30 bushels of sound corn and that last year his yield from the same seed was 30 to 35 bushels. He says he has grown this corn on the farm for a number of years, and that the corn seems to be getting better each year. He remarks that the last two years have been poor years for corn in his locality, yet with the above reported yields he thinks he knows something about growing corn and, furthermore, that he has a variety of seed adapted to his soil and climate.

The experience of this subscriber with corn bears out the contention of KANSAS FARMER with reference to the use of home-grown seed and the possibility of adapting varieties to localities, which varieties are reasonably certain, even in dry years. The editor will ask this subscriber for further information relative to his methods of planting, cultivation, gathering seed, etc., with the hope that he will reply for the benefit of our readers.

## Cowpea and Alfalfa Bacteria.

C. M. A., Abilene, Kan., asks if the bacteria of cowpeas will inoculate soil for alfalfa. The bacteria which form nodules on the roots of cowpeas are not of the same type as those which form nodules on the roots of alfalfa. At any rate, scientists have not yet determined that they are, consequently we assume that they are not. The bacteria which thrive on the roots of the several varieties of sweet clover will thrive on alfalfa roots. Alfalfa fields may be inoculated by soil from sweet clover fields or patches. The method of inoculation has frequently been discussed in these columns.

## Something For Every Farm—Overflow Items From Other Departments



WHERE TO TAP IN BLOATING.

IN THE ILLUSTRATION THE CROSS SHOWS WHERE THE PUNCTURE SHOULD BE MADE, DOWNWARD AND FORWARD, PLUNGING THE INSTRUMENT INTO THE PAUNCH. THE PICTURE ABOVE IS FROM THE FARMER'S VETERINARIAN BY C. W. BURKETT, FORMERLY DIRECTOR KANSAS EXPERIMENT STATION.

Our subscriber, S. J. A., Lawrence, Neb., writes: "I think the article of S. S. Reachy, Garnett, Kan., very good. I believe in staying on the farm, and do all I can to keep the children there, as in a city or town is a very poor place in which to bring up children."

"So Farmer B. has rented his farm and off to town he must go, but if he does not like his tenant and the tenant lets the place go to pieces, then the owner wishes he had not gone to town. I do believe in giving children a good common school education, and that will do for the farm, and while they are on the farm they will learn much. If the parents would just let them have a small patch of ground to plant a garden that would teach them a great deal. Try and teach the boys on the farm, and that will teach them how to do the work. Children brought up in town do not know anything, and are always in mischief, and then the parents are blamed for the way they have brought up the child. As for Farmer C., I would not like his way of working, for there is always time to do everything, and a right and wrong way."

"I think that KANSAS FARMER is getting better every week in getting information for the farmers."

## Accept Experiences of Others.

Our subscriber, H. Lowater, Rock Elm, Wis., writes, saying that while KANSAS FARMER is printed especially for the farmer of Kansas and intended to be a valuable and specific guide for him, under natural and interchangeable conditions which prevail in this state, is of value to farmers outside the state. The subscriber says: "Do you know that one does not need to reside in Kansas to be able to find much value in the lines and precepts of KANSAS FARMER? I have often noticed that most neighborhoods do their farm work in about the same way. I note, too, that in many sections much intelligent farming is done and that in every such section each person might be called a book farmer. The mail boxes in these neighborhoods are filled with papers and other printed matter of various kinds. There are other places where each farmer seems determined to get experience at first hand. They claim that what they learn for themselves is of more value than if learned from the printed experiences of others."

"It is my idea that this latter class of farmers expend too much time and money at a sacrifice of prosperity and happiness for such instruction. Most farms will show for themselves whether or not the man combines other people's experiences with his own. This is the proper combination."

"There is much more mere routine farming in the west and northwest than is realized, the changes from one year to another being what little change is brought about—and with great cost—by personal experience. Why this waste of time and money? It certainly is not necessary."

"I notice that KANSAS FARMER is

weekly providing a supply of personal experiences in great variety. Its weekly table is set not only for the benefit of the Kansas farmer, but there are many experiences that aid me here in northern Wisconsin. No farmer should waste time in personally learning over again what has already been acquired and given him through agricultural papers. I believe in first getting all I can out of the experiences of others before investing either money or time to learn by personal instruction unless I wish to delve into a new line in which the experiences obtainable have been limited."

## One Door In Silo.

S. R. H., Marion, Kan., writes, asking if a full cement silo can be emptied through one door at the bottom if the silo has been whitewashed on the inside before being filled.

In KANSAS FARMER, issue of May 25, on page 2, we answered a Texas inquiry regarding the placing of one door in a silo and that door at the bottom. The use of one door in this manner is not practical. We suppose a silo could be emptied through a door at the bottom, but the reason why it is not a practical or safe method will appear at once to the person who gives it any consideration. In the first place, silo doors have not, up to the present time, been constructed to open on the outside. All silo doors of the present day open on the inside. We presume a door could be constructed so that it would open on the outside and withstand the inside pressure. It would be necessary to dig into the silage from this door and this would be difficult, inasmuch as the pressure in the bottom of a silo 24 to 30 feet high is tremendous. When the silage was mined out opposite the door, silage would begin falling from the top, with the result—in our opinion—that there would be much loss from exposure of the loose silage to the air. Furthermore, it would be dangerous to work in a hole in a silo with 15 or 20 feet of silage above. The whitewashing of the silo on the inside would have absolutely nothing to do with taking the silage out at the bottom or any other location in the silo. We see nothing to be gained by whitewashing the interior of a cement silo.

## Alfalfa Culture.

Our subscriber, Arthur Mosse, who is one of the best farmers of Leavenworth county, and who is an equally good and successful breeder of Chester White Swine, writes the following regarding alfalfa:

It is not quite understood among the majority of farmers just why such plants as clover, alfalfa, etc., are of so much benefit to the soil. Alfalfa belongs to the family of legumes or leguminous plants which, briefly, means pod-bearing peas, beans, etc., are legumes.

Now, all the legumes are nitrogen gatherers; they are so constructed that through the agency of bacteria they are enabled to absorb the nitrogen of the

atmosphere, 70 per cent of which is composed of nitrogen, and store it up for use of the roots. Just how these bacteria gather the nitrogen is not definitely known, but science has proved conclusively that they do so.

Take up, carefully, a clover plant of almost any size, which looks healthy, remove the dirt from the roots without damaging the same, and you will see a number of little excrescences, or tubercles; these, it must be borne in mind, are not the bacteria, but are the home of the bacteria. The bacteria can only be seen through a powerful microscope. There are millions of these minute organisms in each tubercle.

These countless millions of microscopic life are working day and night to store up nitrogen for the legumes to feed on, and where we turn under a crop of clover, or clover roots we mix this nitrogen with the soil through the decay of the roots, and make it available for succeeding crops of wheat, corn, etc.

A great many farmers sow clover in their wheat and plow it under in the fall. This is a help, but to do the most good the crop should be left two years; then the bacteria have a year's more time to store their harvest of nitrogen.

All legumes do not have the same variety of bacteria to gather their nitrogen. Thus red clover has one kind and alfalfa has another, so that just because our land may have had a crop of red clover upon it, it does not follow that alfalfa will thrive in the same field, for, without its proper bacteria to absorb its nitrogen, neither alfalfa nor clover will flourish.

The clover bacteria is more common in the tectures because this plant has been grown here for years, but it may be that the alfalfa bacteria will not be in the field, in which case it is better to inoculate the ground as soon as the alfalfa seedling appears; this is done by sowing about 300 pounds of soil per acre from an old alfalfa field, on some cloudy day or late in the evening, as the direct rays of the sun will destroy the tiny organisms.

Anyone who is contemplating putting in a field of alfalfa this fall should sow a little seed in the field now, using a hoe and rake, and when the seedlings are about 6 inches high should examine them and see if the tubercles were attached to the roots. I have never tried this, but will do so this week, sowing the alfalfa in some bare places in a wheat field which I am going to seed this fall.

## Four Good Corn Rules.

"If I owned the farms of the United States," said P. G. Holden, the big Iowa corn man, "I could give but four orders regarding corn. These orders would be as follows:

"1. That every ear of corn intended for planting be tested by taking not less than six kernels and sprouted, that the weak ears may be discarded.

"2. That every ear intended for planting be harvested before the fall freezes and properly preserved.

"3. That the corn be graded and the planter tested and be made ready to drop the proper number of kernels.

"4. That the corn be improved by selecting, for the average farm, say, 100 of the best ears and planting them on one side of the corn field. The seed for the following crop to be selected in the fall from the part of the field where the best seed was planted."

## The Two-Way Plow.

Our grandfathers knew the advantages of being able to change a plow from right to left-hand at will so that the soil might be thrown all one way. The early-made plow of this kind was a crude implement and not of practical usefulness in many soils. The two-way plow has been developed in recent years and which plow is a success. The frame carries two plows, one a right-hand and the other a left-hand, and either is used at will.

This plow has a large field of usefulness in many sections and in some parts of Kansas can be used to advantage. It is desirable in a hilly country, in that the soil may be thrown down-hill all the while and a good job of plowing done. The plow is particularly valuable in irrigated sections, inasmuch as dead and back furrows are done away with. In plowing irregularly shaped fields the two-way plow is convenient and lessens the turning problem. It is claimed for the two-way plow that for straight-away use it is as good as the ordinary sulky plow.



THE DAIRY AND LIVE STOCK SCHOOL ON WHEELS AT QUINTER, KANSAS.

# LIVE STOCK IMPROVEMENT

## *K. S. A. C. Will Join With Kansas Farmer in Helping to Improve Kansas Live Stock*

By G. C. WHEELER, K. S. A. C.

Exclusive grain farming has left a trail of wornout and depleted farms from New England to the middle west. Already we are beginning to see the effects of following such methods in the older portions of our own state. Only through wise, systematic rotation of crops and the marketing of these crops on foot in the form of finished animal products can soil fertility be maintained. The last census report shows decreases in all our meat producing animals, the greatest being beef cattle. With this decrease in meat producing capacity our population has increased 21 per cent in the past ten years. We are forced to the conclusion that the corn belt farm must produce a large proportion of the beef of the immediate future. Thinking men have realized these facts for some time, and a review of the files of KANSAS FARMER for the past year show that article after article has been presented to the reader calling attention to the possibilities of profitable meat production in the near future. These articles have emphasized over and over again the great necessity for using a better class of stock than has been the practice upon many a Kansas farm. The gospel of the improvement of live stock, the banishment of the scrub and grade sire, and the use of nothing but the best pure-bred males, has never been so persistently preached by the Old Reliable as during the past year. Those who have established herds of high-class beef-pro-

ducing cows during the past five years and have used nothing but the best of pure-bred beef bulls are already beginning to reap the rewards naturally following this logical preparation to meet the demand of the times.

Those in authority at the Agricultural College have long recognized the necessity for great improvement in the quality of live stock grown over the state. With the creation of the extension department the writer of this article was drafted from the Animal Husbandry department of the College and Experiment Station to take up this campaign of live stock improvement among the farmers of the state. Much assistance has already been given along educational lines touching this great problem. The Pure-Bred Sire Club has been formed and hundreds have signed the cards pledging themselves to use pure-bred sires in the production of all market stock. This club has served as an encouragement to those laboring to improve our farm live

stock and as a spur to the more sluggish ones who still cling to the poor old scrubby sire. The formation of local or county live stock associations has been a most potent means of arousing renewed interest in the betterment of live stock conditions. One of the best papers given at the Improved Stock Breeders' meeting in Topeka during January was that of J. M. Rodgers of Beloit, secretary of the Mitchell County Improved Stock Breeders' Association. This paper was printed in full in KANSAS FARMER for February 17. This association has already become far more than local in character. The writer of this article was present and assisted in the way of advice and encouragement when the handful of earnest live stock men of Yates Center and vicinity organized the Woodson County Improved Stock Breeders' Association three years ago. This organization has grown and prospered, and its influence for good has spread over a number of counties. Co-

operative breeding clubs or associations can be of great assistance to the small live stock grower in enabling him to eliminate the scrub sire. Renewed interest is being taken along this line by those who are awake to the possibilities of more profitable live stock farming. The following statement taken from a letter received on this subject reads as follows:

"Eight of us having only a few cows apiece have for a number of years been keeping four or five scrub bulls, some of them the 'scrubbiest of scrubs.' We are now getting together and are going to buy one high-quality pure-bred beef bull for the use of the eight of us and send the scrubs to the shambles."

Now that the regular farmers' institute season is over, much special assistance can be given by the Extension Department along the lines of live stock improvement and management. The Kansas Agricultural College is most desirous of furthering the live stock interests of the state and, through this department, is offering help in the formation of live stock associations of various kinds, co-operative and community breeding organizations, expert advice in the selection of sires, and such other assistance as the live stock farmers of the state may desire. Those interested are urged to write to the author of this article, whose special business is to supply assistance of this kind.

## Working The Draft Stallion

There is no good reason why a draft stallion should not work, and there are a good many reasons why he should work. Any man who is a horseman in the true sense of the word can work one or even two stallions. I have two Percheron stallions that have worked together this summer and neither one was broken to harness until last spring. We hitched them together when one had been worked three times and the other about five or six times. After they had been worked together a few times one man handled them alone. We kept a jockey stick on them when hitched and taught them that when they had the harness and blind bridles on there was no fooling. Many a time we unhitched from the manure spreader and took them into the barn, unharnessed them, and changed their bridles to try mares and then put them right back into the harness.

My stallion team was the talk of the country this summer. Driving a pair of stallions in a good set of harness through town is the best advertising they can get. Any horseman admires a stallion that is well broken to harness and everybody notices the driver who has sense enough to drive two stallions together.

Work is the only proof of the strength and staying qualities of a work horse. I have known draft stallions to do a good business when they were so un-sound that if castrated and tried out, a horse buyer would not make a bid on them.

The American trotter has won the admiration of the world on account of his speed and endurance as exhibited in many hard-fought battles on the track. Such endurance and speed would not have been possible except for the stamina begotten by ancestors who stood on the merits of their records and the records of their ancestors. In fact, the achievements of the American trotter and pacer are simply "the survival of the fittest," while the achievements of the American drafter are too often the survival of the fittest. An animal kept in idleness cannot be expected to possess any great amount of strength and endurance, and one of the strongest laws of breeding is "like begets like." A horse cannot transmit good qualities which he does not himself possess. In fact, not all horses can beget with any certainty the good qualities which they do possess.

If the only use of the draft horse was the butcher's block, the same as the fat steer and the fat hog, then no work would be necessary to produce the greatest amount of soft, fat flesh, but when we consider the heavy loads that are to be drawn by the offspring of our draft stallions we should choose a stallion that has size combined with action, strength and endurance. There is no way to tell whether a horse possesses these qualities except by putting him to the actual test.

Live stock shows are full of other demonstration tests, such as butcher

tests, or block tests for the beef breeds, milk tests for dairy breeds, etc.; race horses get their tests on the track, but who ever heard of a fair or stock show offering premiums for tests of draft stallions at actual work? They offer premiums for mares and geldings hitched in pairs, fours and sixes, shown to an empty wagon, but the ton stallion competes for his ribbons at the end of a lead strap.

When the breeders of draft horses in America get to meeting at the big fairs and competing for prizes offered for the pair of registered draft stallions that can move the heaviest load or that can haul a given number of tons a mile in the shortest time, then the importer will have a hard time selling his bob-tailed horses for more money than the American breeder gets. But as long as the American drafter is bred and raised in idleness there will be a good business in bringing breeding stock from foreign countries where both stallions and mares are worked in harness.

In the fall of 1902 I bought a jack in Missouri and the following year I drove him to a buggy, hitched with a stallion, about 35 miles every week. He finished the season far better than he began it, and out of the first crop of mules I showed a pair of 3-year-olds at the American Royal and won second on 3-year-old pair. This jack never wore harness after that year and never reproduced a like crop of mules.

I never saw a collar and harness that

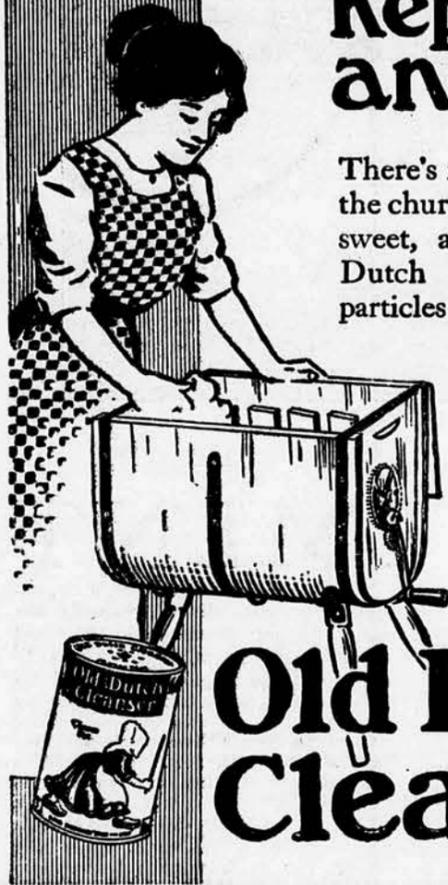
would fit a draft stallion properly, but they work nicely in a good, heavy breast collar. A pitchfork handle makes a good jockey stick, and in working one stallion, fasten the jockey stick to the top of the other horse's hame. I learned this by experience. I hitched a stallion with a mule and fastened the stick to the breast strap ring on the mule. The stallion reared up on the mule and the stick would not let him get back. If he tries it with a good long stick fastened to the top of the hame, when he rears the sticks pushes him out so far from the other horse that he does not try it very often.—J. G. ARBUTHNOT, Cuba, Kan., before Kansas Live Stock Registry Board.

### City Autoists Work Roads.

We recall reading a statement also to the effect that recently a hundred residents—auto owners and others interested in good roads—in the little city of Herington, Kan., had set aside certain days each month to devote to road improvement. In neither of these instances was it stated that the farmer was expected to give any help in the work, this being simply the city autoist's share in good road improvement. This is an act on the part of autoists which deserves commendation, and there should be no opposition to this plan. It shows the desire of the autoist of the town to back up his claim for better roads with an expenditure of his time and his money.

# Churns

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### Abundant Power For Dry-Farm Plowing

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It offers more power, more reliability than are really necessary. Write a postal for the big Rumely catalog "Folling and Tilling the Soil"—a real text book of tractor information. Address **M. Rumely Co., 5082 Main Street, LaPorte, Ind.**

**GEORGE W. HAZEN, Adams County, N. D. says:** In plowing last Fall I pulled eight bottoms 7-inches deep with a 26-foot drag attached behind. I can say the **Oil Pull** develops more power than you had claimed for it and I am highly pleased.

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for this practical, durable and simply operated car. Will carry 800 pounds, 2 cylinder, 14 H. P., solid rubber tires. Goes over any road at any speed up to 20 miles an hour. Built for a farm money maker, and has so proven. Write for Catalog K, giving complete detailed information.

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STETTLER & SON, MEDFORD, OKLA.

# THE FARM



The 1911 Year Book has just been issued by the United States Department of Agriculture. It contains 31 articles and 67 full page illustrations and contains about 400 pages. This book is free for the asking. Write your Congressman. It is well worth asking for. The year books of the federal Agricultural Department are a valuable addition to the library of anyone interested in agricultural affairs.

The Kansas Development Association has decided to boost and advertise Kansas by sending a "booster" train through the eastern states next fall. It is proposed to load the train with Kansas products and thereby demonstrate the variety of grain and forage crops produced in this state. Ralph H. Faxon, formerly of Garden City, is president of the Kansas Development Association. In the last few weeks he has organized branch associations in forty-seven towns. Kansas will profit by this kind of advertising.

In talking to a bunch of stockmen at the Kansas City stock yards recently, M. P. Hawkins, Ash Grove, Mo., made this statement: "Cowpeas are the greatest of all forage feeds, and every farmer ought to raise them. I will put in this summer 25 acres. I drill them in, and harvest them just as I would hay. No farmer who has ever raised cowpeas and fed them, would think of doing without them. They do not wear out the land, but enrich it. There will be put in a large acreage in my neighborhood this summer. I will sow mine next month."

A larger percentage of the first crop of alfalfa in Kansas has this year gone onto the market by baling out of the wind row than ever before in the history of the state, this due to the good prices prevailing and being the result of the scarcity of old hay. Up to date the alfalfa placed on the market has sold to good advantage. We note, however, that prices are declining. The demand is growing less on account of the pasture season being on. This is the period of readjustment in hay markets. It is claimed that dealers are oversupplied with alfalfa and that the demand for alfalfa has shown a greater decrease than that of any other hay. The principal city buyers of hay through the summer are those who own draft horses, and during the heated season they feed little alfalfa.

While making a visit to one of the small towns of the state recently, we inspected one of the best gardens we have ever seen. This little town had no waterworks system. The party owning the garden had attached a small gasoline engine to the force pump head in his well. The pump was connected with inch gas pipe which carried the water out into the garden. The gas pipe was placed on top of the ground. There were hose connections here and there on the pipe so that 20 feet of hose placed the water, by sprinkling, on every part of the garden occupying one city lot 25x100 feet. This plan, or modifications of it, are adapted to farm garden use wherever there is a handy well from which to obtain the water. In this particular garden were growing all kinds of garden stuff, in addition to strawberries and potatoes. Any farmer who wants a good garden can make a practical application of this idea to his own situation and can grow garden truck at will.

It should be the ambition of every farmer not only to maintain the original fertility of the soil of his farm, but to increase the original fertility—a thing which has been done and can be accomplished in thousands upon thousands of instances by the generally accepted methods of good farming, including the use of barnyard manure, green manuring, and crop rotation. The manufacturer increases the value of his plant by keeping it at all times to the highest point of efficiency. The same general principle applies to the farm. In the eastern states a farm which has been well cared for and which is in a high state of productiveness sells for

much more money than the farm handled under the opposite conditions. The effect of such methods has not as yet been felt in the sale of farm lands in Kansas, but during the next 15 to 20 years it is our guess that the ability of the farm to produce—and this dependent upon its care and the condition of its soil—will become apparent and will be felt in sales transactions. The ambitious and good farmer can and will make the soil of his farm better year after year and while so doing will not only produce larger and more profitable crops, but will be adding value to the farm.

Throughout the country we see apple orchards, in which the prospects were extremely good for fruit, eaten up and the prospect destroyed by insects. We happen to know that on many of these orchards in times past the owner has depended for a considerable part of the farm income. It seems strange that in instances where the apple crop is depended upon for some of the annual income, that the owner should hesitate to follow the best known methods of spraying. Orchards of 10 acres or more can be effectively sprayed—and which will permit of three or four sprayings, each done at the right time—at a cost of not more than \$4 to \$5 per acre. The orchard waste on account of failure to spray is tremendous. The apple regions of Kansas will produce apples of superior quality for storage purposes, and the apple crop in these regions is about as certain as any other crop of the farm, and the reason it is not as profitable as it should be is because the quality is inferior through lack of spraying and the damage by insects. Thousands of bushels of apples in Kansas are each year thrown away or sold for little or nothing. If the orchards in which these are produced had been sprayed, Kansas dealers would not be compelled to make their annual purchases in localities outside the state where the extermination of insects is effectively carried out.

We recently talked with a KANSAS FARMER reader who deplored the lack of enthusiasm and co-operation on the part of his neighbors in his effort to establish and maintain a local farmers' institute in his neighborhood. This lack of interest is a general condition and is not confined to any particular locality. There may be some solace in this statement to our friend. However, generally speaking, the farmers' institute is much more highly regarded as an important factor in building up the community welfare today than it has heretofore. No farm institute enthusiast should become discouraged because of the lack of interest of his neighbors. The institute should be held, even though there are only a dozen or less in a community who are interested. Every effort should be made to secure the attendance of those who do not believe much in institutes. Have everybody attending the institute ask some question or express his opinion regarding the matter under discussion. Get the disinterested attendant into a discussion of some kind if possible. Urge the farmers to talk about the things they have in hand. If you succeed in doing this, you will get their interest. They may at first be attracted by the social feature. They will find the institute a good place to visit and gossip with and about their neighbors. Later, they will become interested in the subjects presented. In farm institute work as in any other line, don't quit; never lose hope; don't give up.

### Siloing Sorghum Bagasse.

Further regarding the inquiry of a subscriber regarding the feasibility of siloing sorghum bagasse, C. H. Eckles, professor of dairy husbandry, University of Missouri, writes KANSAS FARMER: "I have never known of this product being put in a silo. I do not think it would be possible to preserve it successfully since it is too dry. Furthermore, I do not think it worth while to do so, since it cannot have much food value; the main value of sorghum is in the juice. I do not think it would pay you to make any use of it in this connection; although it might be possible to do so by putting it in the silo and adding enough water to sufficiently wet it up."



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# LIVE STOCK



Get sows with good dispositions. They make better mothers, are much safer to handle, and will fatten more readily. A quiet dispositioned sow is worth more at home and sells for more than do those that are cross.

It is practically impossible to crowd young pigs too fast provided they have the right kind of care and feed. The faster they grow the quicker they make money. Big eating and digesting capacity is necessary.

Angus cattle have become so popular since their market topping records at Chicago and elsewhere that there is a marked scarcity of the breed in Scotland as well as in this country. South America has been importing heavily as well as this country and Canada, and breeders show concern for the future supply.

A good remedy for scours in pigs consists in dissolving a chunk of quick lime as big as your two fists in a bucket of water. Stir well and allow it to settle. Give from one to two quarts of the clear liquid to each sow daily at feeding time. Twice a day if necessary. Begin soon after farrowing time and give two or three times a week as a preventive.

Cattle are becoming so scarce that it is found profitable to import from Mexico even though the insurrectos demand a fee of \$5 in addition to the government import duty. It is said that the great herds of Wyoming were practically wiped out of existence last winter, though this was not known until the snow melted. Stockers and feeders are high-priced and scarce.

It is not only necessary to have pure breeding stock, but it is just as important that the proper type be selected and the animals well mated. Buying pure breeding hogs of every type and mixing these types in breeding operations will produce animals but little better than scrubs when sold for breeding animals. Of course they feed out better, but if the proper type is not maintained the real breeders do not want them.

**Injured in Foaling.**

I have a mare three years old which foaled early this spring and she had some trouble in foaling, and now she is stifled. I think that it is only a sprain and that the joint is not altogether out of place. Any information you can give that will help would be very much appreciated.—B. F. COASH, Route 1, Medford, Okla.

Our subscriber has been answered by mail, but as others may be interested we give our veterinarian's advice:

This is an injury of the nerve of the leg and inside of the vagina due to the foaling. Give the mare two teaspoonfuls or one dessertspoonful of tincture of nux vomica in her feed twice a day. Hand rub the hip well twice a day with one pint of alcohol in one quart of soap liniment. Feed her on grass, keep up the treatment and she will get well.

**Horse Troubles.**

I like KANSAS FARMER and think it is well edited. I have taken it for 15 years and have induced others to take it.

I have trouble in regard to joint oil and disease of the umbilical cord in my horse stock. Would like the experience of the veterinarian and of horse breeders, for this disease is quite a menace to the business of horse breeding. Clean barns do not do any good, as my colts are all born out of doors on the prairie and do not enter a barn at all. A mare that has an affected colt one year is apt to have the same trouble afterwards. There ought to be some way to disinfect the mare's blood.—IRA J. WHIPPLE, Jiqua, Kan.

Mr. Whipple's letter was sent to Dr. F. S. Schoenlaber, state veterinarian, Manhattan, who replied as follows:

"We at times realize the fact that what you state is only too true if the infection seems to be in the system of the mare.

"In cases of infection abortion we are now finding that if the trouble is present

in the animal it can be detected through examination of the blood in the laboratory. While there has been no work done in this line, I am suspicious that there is a relation in the two conditions to a certain point, and in all probability this will prove so after we make a thorough investigation of this trouble. This investigation must come soon, because there is too great a loss to animals through this cause.

"In the meantime it might be well to suggest the same treatment for internal disinfection for this trouble in the mare that we would use in a case of infectious abortion, and that is, give the animal about a teaspoonful of salt moistened with carbolic acid once per day in her feed, giving this for about ten days in each month for three months immediately preceding her foaling time.

"Care must be taken in handling this, as we all know carbolic acid is corrosive and will cause serious burns if not diluted.

"The way to handle this is to take a certain amount of salt and put it in an earthen or china dish and pour on enough carbolic acid to moisten it but not melt salt, stirring well with a spoon, and when feeding use the spoon but thoroughly mix this with some ground feed in order that the mouth of the animal will not be injured by the strength of the acid.

"If you have any further suggestions to make in this matter I will be very glad to hear from you, and will be very glad to go over the matter thoroughly at any time and to receive suggestions from a man who writes as though he has had considerable experience in breeding along the right lines."

**The Kansas State Fair.**

The premium list of the Kansas State Fair has just been issued from the office of Secretary H. L. Cook. It is one of the most complete that is issued by any corn belt fair, and gives promise of a great showing of the resources of the state.

Already there are more live stock entries made than were on the books three weeks prior to the opening of the 1911 fair. Practically all of the available space for implements and machinery has been spoken for, and all other departments will be crowded. Displays in agriculture and horticulture will depend upon the season, but this never held out greater promise. The fair is made right now, and on such a scale that it will richly deserve the patronage of the Kansas public.

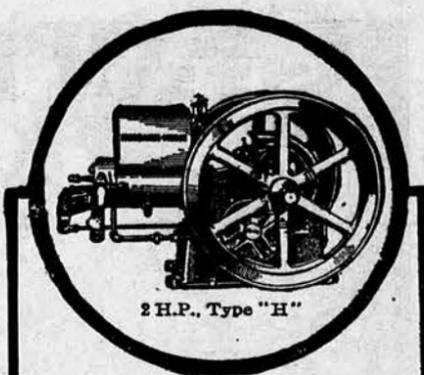
A state fair is a public institution in which every man, woman and child should take pride and interest. It is the state of Kansas on exhibition. It is the moving picture show of your home state where you can see, collected and arranged for the purpose, more of the real Kansas than you could see in hundreds of miles of travel, many dollars of expense and many weeks of time.

Like anybody else who amounts to anything, the farmer and his family needs a vacation. He and they are entitled to it and should plan for it as a regular part of the business of life. All work and no play makes Jack a dull boy, Gill a dull girl, and stunts their parents. Vacations are necessary to keep the soul sweet, restore physical energy and preserve the mental balance.

As America affords larger mountain ranges and more magnificent scenery than does Switzerland, so she also offers more of interest and value in her wondrous crops and cattle and capacity than any other.

Kansas is the center of our great country and the most important state in it, yet few people who live here know all about it. They never will, but they can learn much more than they know now, and in a shorter and quicker way, by attending the state fair for a week.

A vacation week at the state fair is like none other. If you spend a week on a fishing trip you get tired of fish and your camp smells of them. If you spend a week at the state fair you get plenty of enjoyment in sight seeing, have a grand reunion with your fellow citizens, and learn a lot about things that are worth real money to you in your daily business.



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# DAIRY



The pedigree is the recorded statement of the ancestry of an animal. In many instances it is furnished simply as a guarantee of purity of breeding. In the case of dairy animals, however, its real value is determined by producing ability of the animals it represents. The 300-pound cow with an unbroken list of good dairy performers named in her pedigree is much more desirable and valuable than the 300-pound cow the ancestors of which were inferior animals. In the case of dairy animals the record of ancestry is more important than the performance of ancestry in any other farm stock.

Have you constructed calf stanchions for the feeding of skim milk to calves, after the plan of stanchions printed in KANSAS FARMER a month or more ago? If you have not constructed stanchions you have no idea with what little trouble skim milk can be fed and you have failed to realize the fullest advantage through feeding the milk. The stanchions need not be expensive. They can be built from scrap lumber found on nearly every farm. The stanchions furnish the easy and effective way of feeding calves.

A handy arrangement for the handling of manure was recently investigated by the editor. Twenty-five feet from the barn door was built a shed, which shed was only a roof, there being no sides. Under this stood the manure spreader. From the barn to the shed ran the track for the manure or litter carriers. The carriers were loaded in the barn and run by gravity to the manure spreader and dumped. When the spreader was loaded the team was hitched on and the manure taken to the field. This plan, it was claimed, was the most economical from a labor-saving standpoint and expedited work of cleaning the stables and in getting the manure away from the buildings and on to the fields.

There is always a market at good prices for the product of the dairy cow. The feed required by her is more easily grown than crops for sale. Ten or 12 cows on every quarter section in Kansas would result in an insurance policy on the prosperity of the state which our people could not obtain through any other source. We need the dairy cow on every farm in Kansas. We need her as badly as does the traveler in the canvas-top wagon who allows the cow to trail behind and, picking a little here and there by the roadside, furnishes the principal food supply for himself and babies as they wend their journey. In times of adversity we turn to the old cow. She deserves our patronage and we can profit by patronizing her in our most prosperous times.

We have never seen the time when the man who had a crop of wheat to harvest could not get the credit with which to purchase machinery for the harvesting of the crop. A silo on the farm is as necessary as the harvesting machine. It will make the farmer dollars where the binder or the header will make him cents. The crop to be harvested through the live stock and by the preservation of forage through the silo, is much more certain than the wheat crop. The man who would borrow for harvesting machinery can borrow as well for a silo. If money is to be borrowed for any one farm implement it can be borrowed with better grace and more easily for the building of a silo than for any other one thing. If you do not believe this statement, ask your banker.

In talking with a dairy farmer the other day, he inquired how long we would permit a calf to suckle before teaching it to drink. Our own idea is that the calf should never suck—at least not more than once or twice. The fact is that the fewer times the calf does suck, the easier it will be taught to drink and the less will be the shock to the mother in the removal of the calf. In the editor's own experience he never permitted the calf to suck. This was his practice for years. The result was that the sucking habit of the calves had, to a considerable extent, been bred out.

Very rarely did we have any trouble in teaching a calf to drink, and very rarely was there any uneasiness on the part of the mother. Dairying is a highly artificial operation. The large producing dairy cow is artificial. There is no reason why nature cannot be successfully and advantageously—to both calf and mother—headed off in the sucking habit.

On a Shawnee county (Kan.) dairy farm recently we saw the most general use of concrete we have ever seen on any Kansas farm. A concrete platform had been built around the stock watering tank. This platform extended 12 feet from the tank all the way around. There was no hole dug out around the tank to fill with water and mud as a result of the tank running over. In front of each door into the barn was a concrete platform or step which made it easy for the cows to get over the high door sill. On either side of the feeding rack was a concrete platform on which the cows stood while eating. The open shed which furnished shade for the cows in summer and protection from the storm of winter, was floored with concrete. We have not seen a dairy farm so liberally provided with conveniences and comforts for the cow as was this farm. This concrete had all been laid by the farmer himself. In this instance sand was handy. The point in this connection is that these concrete platforms can be used to advantage in preventing the accumulation of mud and manure in and about the barn and feeding yards.

Within a few weeks Kansas will be spotted with thousands of straw stacks. On many farms there is no use for this straw and no necessity for stacking it, but on the small farm where not more than 40 acres of wheat is grown, each pile should be well stacked. As bedding, it is worth more clean and bright than if rotten. You may have more straw this year than you will use as bedding next winter and if well stacked it will keep for the following year's use in good condition. If you have plenty of straw, use all of it you can as bedding and get it back onto the field as manure by means of a manure spreader. We visited a dairy barn a couple of weeks ago which was being bedded with baled straw at a cost of \$8 per ton. The dairyman argued that he had to have clean, bright bedding and that inasmuch as wheat straw was the best absorbent he could buy, he thought he could afford to pay this price. It is unnecessary to state that on this farm the most careful use was made of the manure. Wheat straw on the small farm is well worth taking care of whether or not there are dairy cows on the farm. Other stock require bedding.

F. H. Scribner, famous Jersey breeder, of Wisconsin, has been in Kansas a week or ten days. He is now in the employ of the Dairy Division of the federal Department of Agriculture, and is organizing cow testing associations, the methods of which organization are explained elsewhere in these columns. We hope that any KANSAS FARMER reader who may have a chance to talk with Mr. Scribner will take the time necessary to find out a lot of things he knows about dairying. Scribner is a live wire. He is so full of dairy enthusiasm that he cannot help leaving some of it with you if you take the time to listen. He is the man who fed and developed Loretta D, the Jersey cow which distanced all competitors at the St. Louis World's Fair and which for years was the largest producing Jersey in the world. Scribner has a lot of other good cows. He has not sold his herd or left the farm. His oldest son is running things. Scribner is farming the old 80 acres on which he was born. He says it is more productive today than it has ever been before. He keeps on these 80 acres 50 head of cows, besides the young stock, and grows on the farm all the feed they eat. It is worth while to talk to such a man. When you meet him, listen just as long as he will stay with you.

Civilization never extends very far beyond the sound of school and church bells.

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 NEW YORK CITY.

### Cream Subject to Condemnation.

At a meeting of creamery managers and cream station operators, called by State Dairy Commissioner Burch at Manhattan, last week, the Commissioner set forth the following five conditions which would result in the rejection or condemnation of cream delivered at cream receiving stations:

1. Cream more than four days old.
2. Cream in an unsanitary station.
3. Cream in rusty or dirty cans.
4. Cream stirred with a dirty stirring rod.
5. Cream of bitter, rancid, unclean, musty, or fermented flavor.

# HOME CIRCLE



It is said that cod liver oil may be taken in tomato catsup and be made more palatable.

To remove paint stains from woole cloths, rub them with turpentine. If the stains are old it may be necessary to add a little ammonia to the turpentine.

To keep milk fresh and sweet in summer try scalding the pans with soda water, sun them well, have pans cold when milk is put into them, then set the pans in cool water, changing the water once or twice until the milk is thoroughly cold.

One secret of not having your clothes eaten by the moths is to be sure that they are clean when they are put away. If they can't be laundered, go over them remove all spots with gasoline or some other good cleaner. The grease may be removed from coat collars by rubbing with a cloth dampened with ammonia. Sometimes the gloss from rubbed places, such as elbows and seams, may be removed in the same way. This extra trouble in the spring will be fully repaid next fall when the garments are taken out again and found to be without moth holes, and cleaned ready to wear.

### A Cherry Hint.

Cherries may be kept fresh and hard for 12 hours for canning or cooking purposes if covered with cold water. This is invaluable when a quantity is picked at night, as no other fruit gets soft or mildews so rapidly.

Here is a helpful hint which not all may know of: When sewing on buttons, particularly those which are to see much service, place a pin across the top of the button and sew over this. When the sewing-on is completed, pull out the pin and draw the button up so that the slack threads form a sort of "stem" between it and the garment. Buttons put on in this way stay longer and are more easily buttoned.

### In Praise of Age.

This is proffered, not necessarily to disparage the golden hours and youth, but in praise of those other hours of gold more rich, yet of value less appreciated. For the champions of youth are many, and the champions of age are few. Nevertheless, if peace hath its victories, age hath its rewards, and in years there should be no shame.

Age is but comparative. I well can recall when it appealed to me that should I ever attain to the ripeness of ten, and stand as mature as my swaggering brother, who had donned long trousers, then would I be at all desirable dignity. How must it seem to be ten—with a roundly uttered, manly "Darn," with long trousers and a nickel in the pocket!

At ten, did that prove to be only a foothill, with maturity and all the appurtenances thereto still beyond; and twenty beckoned, ahead, from the pinnacle of manhood. Aye, to be twenty; to go to bed when one chose, to throw a baseball swift as a rifle bullet, and to wait upon the young ladies! At twenty would I be old—and sometimes I wondered how it would feel.

But at twenty, forty was an ultimate goal where life would have been lived and spent, and the backward look could outdistance the forward. Forty, with wife and family and business, the world mostly seen, and a stiffness of the joints hampering the gay activities of preceding years. For a little fear was clouding the horizon.

And now at forty—what? Nothing, in particular. The fear—that suspicion of fear—was very foolish. At forty one has the same new interests, the same sense of anticipation for a morrow, the same expectation of doing and completing, the same recurring pleasures; and while one accepts that the knees wobble a little in running, and that a few teeth are on the danger line, one has the same impression of remoteness when considering the topic of final dissolution.

So will it be, I fancy, at fifty. Fifty

now looms portentous. At fifty life will have been two-thirds lived. No, not lived; two-thirds past. It will only be two-thirds past. In those remaining fifteen, or twenty, or twenty-five years, it may be found that living has only just begun! There will be, of course, a further gradual stiffening of the joints, a further gradual weakening of unused muscles, a further acquisition of artificial teeth. This today fills youth at forty with a certain sadness, an awe of the inexorable march of time. But, lo, when fifty comes it is only a change in figures, and off of paper signifies nothing. So indefinable has been the progress through the decade, that we scarcely may realize when mental exercise stole in to succeed physical, and proved as satisfactory. For every privilege removed, another privilege as pleasant has been substituted. And so will it be, let us accept, at sixty, and at seventy, and at eighty. The change is but a change in viewpoint; and the Grand Canyon of life still opens, marvelous, in every direction.

So why dread or pity age? Age deserves not dread, and asks not pity. Only to be pitied is he or she who resists it, and, frightened or rebelling at the kindly current, would turn and breast it. Whereas to be envied is he who floats serene along and finds, I am sure, all the shore-line lovely.

There is, students state, a peace and a content, a broadening of the perspective, a blissful forbearance, a philosophy warranted by experience, to give age a charm possessed by no other epoch—no, not even by youth. This happy state is evident in the gentle voice of the grandmother, in the ready doze of the grandfather, in a mild acquiescence to weather and ills, in a pleased looking-on without participating. To render up oneself thus, is to live as fully as to dance at the May-pole of time. For life is but relative.—EDWIN L. SABIN, in Lippincott's.



5502. Ladies' Kimono—Made in Empire style with high waist line and having the seamless shoulder, this kimono will be appropriate for cotton or silk crepe, sateen, challis, lawn and many other materials. The pattern, 5502, is cut in sizes 32, 34, 40 and 44 inches bust measure. Medium size requires 7 yards of 27-inch material. The above pattern can be obtained by sending 10 cents to the office of this paper.

Important—In ordering patterns, be sure to give date of issue in which they appear, number and size wanted. No patterns exchanged.

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pure vegetable oils soften the water as quickly as they soften the skin. With any water, hot or cold, soft or hard, the lather appears so quickly, and easily, and freely that using JAP ROSE is both pleasant and refreshing.

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A man owned a horse that seemed to have been created just for trading purposes. Many a dollar was made on it, although as a horse it was almost worthless.

Some Cream Separators are a great deal like that horse—cheap, shoddy, made only to sell; not to give service.

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Every man who keeps a cow ought to have this great semi-monthly dairy magazine. Each issue printed on high-grade book paper, containing from 32 to 74 pages of the best in-

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##### One Year's Subscription to The Poultry Standard.

The wonderful progress of the poultry industry in the Southwest has placed it on a level, if not above, in importance with any other interest of the farmer. The women and young

folks will be especially interested in the Poultry Standard, which is one of the very best publications devoted to this growing industry.

##### One Year's Subscription to The Fruitman and Gardener.

Fruitman and Gardener has the strongest department devoted to the growing and marketing of fruits and vegetables of any publication in the country. It carries a department entitled, "Correspondence School of Strawberry Culture," answering free all questions of subscribers who are interested in strawberries. Its de-

partment on practical spraying is edited by Mr. A. N. Brown, a man of twenty-five years' experience in spraying materials and an expert in his line. These are only a few of the special features of the Fruitman and Gardener. Its value to anyone owning even a small orchard or garden cannot be estimated.

**\$1.50 TWELVE MAGAZINES AND \$1.50  
ONE HUNDRED AND**

Each magazine is special in its particular line. The one hundred and twelve copies you get in this club for \$1.50 will equal forty average sized books. Just think of it! Send your order at once. Renewal subscriptions accepted the same as new.

#### KANSAS FARMER, TOPEKA, KAN.

**P. S.** The above club cannot be broken, but we will be glad to quote you a special price on any club of magazines or newspapers you wish to take. Send us your list. Also send for our catalogue of farm books, mailed for 4 cents in stamps.

#### Disk Better Than Roller For Wheat.

Our subscriber, H. H. Cimarron, Kan., writes: "The corrugated roller is recommended for breaking the crust in spring cultivation of winter wheat. Two years ago I used a corrugated roller to close the cracks in the soil surface, following this later with the harrow, which seemed to do the work perfectly, but scarcely had I left the field when it began to blow, and for days had more the appearance of some of the

things illustrated in Dante's 'Inferno' than I believed were possible. The freezing of the soil in winter had left the surface so that the harrow pulverized it fine as flour.

"I believe running a disk harrow set nearly straight, will break the crust and leave the surface covered with small lumps that will not be so liable to drift. Harrowing is good if the soil is moist enough to break up rough and lumpy, and may be done after disking, as above described."

# POULTRY



As soon as the hens quit laying for good, they should be disposed of, for if many non-producers are kept in the flock they will soon eat off their heads.

If your yards are small it would be a good plan to spade them up, after removing the coat of manure. This will turn the remaining filth under and make your yards fresh again.

Gaps have been prevented and cured by using oil of sassafras. Place a few drops in the food for prevention; and for a cure, drop down the windpipe with a medicine dropper. Rub it on the head and under the wings for lice.

Kill the weakly, dumpish chicks, and devote all your thoughts and energies to keep the broods steadily growing from start to finish. Your best birds will be those that never had a moment's sickness during the growing period.

Lice sometimes causes feather eating. The hen, in attempting to ease herself of the annoyance caused by the irritating presence of the lice, picks at the base of the feathers, occasionally pulls one out and, finding it succulent, continues till she becomes a confirmed feather-eater.

Nature intended that the hen should work or exercise for all she eats. Therefore, we should induce them to exercise for about all the food that is given them. The hen on the wide range will often work all day in filling her crop, and when night comes she has just succeeded in supplying her desire for food.

We have been asked if Black Minorcas would be a good breed for an egg farm. The fact that Single Comb White Leghorns are used on practically all the large egg farms of the country would indicate that they are better for this purpose than other breeds. There is nothing lost in profiting by the experience of others.

It is probable that during the warm weather many of the hens will lay double-yolk eggs. If so, it is a sure indication you are over-feeding them. A healthy hen lays eggs of a normal size, and whenever she varies the size to produce some monstrosity, her system is overheated.

A subscriber, who has had a great many years experience in raising chickens, writes: "June, July and even August chickens are good. At this time of year a better grade of eggs can be secured for less money. The eggs hatch better, and the chicks require less care and feed. Pullets hatched during June, July and August make the very best layers their second winter, as they do not start laying until the severest weather is past, hence do not suffer the consequences of a damaged constitution on account of taking cold."

A Topeka woman has handed to KANSAS FARMER a report of what her pen of 13 Barred Plymouth Rock pullets did in the way of egg production from November 15 to May 15, a period of six months. During this time these pullets laid 1,392 eggs, or an average of 107. When we stop to consider that most of these eggs were laid during the winter months—and a very severe winter at that—this is a remarkable record. The pullets are now just about 1 year old. No doubt the record at the close of the year's laying will show an average of close to 200 eggs per hen. Such an excellent record from hens kept in a small pen on the back end of a city lot is an exception, and not the rule.

The next annual convention of the American Poultry Association will be held at Nashville, Tenn., the week of August 9 to 15. Nashville is making preparations to entertain the poultry people better than they have ever been entertained before on similar occasions. Last year's convention was at Denver,

where the best meeting in the history of the association was held. Nashville will endeavor to outdo Denver as a host. In Kansas we have about 130 American Poultry Association members, one of whom was just recently honored by reelection to the presidency of the organization. A number of our members are prominent in the poultry world, therefore it may be expected that Kansas will send a large delegation to the Nashville meeting.

The old hens that have stopped laying and the old roosters are not likely to prove profitable stock to carry over to next season. It is much better to get rid of them in some way and give the room to the young stock. Not only this, but old hens molt later every year and get their new feathers so late that they do not get to laying before cold weather sets in. Thus they are unprofitable all through the winter when eggs are high in price. Hens make better breeding stock than pullets, but no one wants to carry over more hens than is needed for this purpose. If you have only a few old fowls, the best way to get rid of them is to kill them and sell them to customers, or to some local butcher, either alive or dressed. But if you have a large number, the only way to get rid of them is to send them to some larger market. In warm weather



Prize Buff Orpington.  
One of the fine Buff Orpington males bred and owned by T. E. Farrar, Axtell, Kan. This cockerel won 6th prize in a strong class at St. Joseph, Mo., the Mid-West Branch Show of the National Single Comb Buff Orpington Club.

it is not easy to ship dressed poultry long distances unless thoroughly cooled and well iced. It is much easier to crate them alive and ship them. Old fowls, unless very nice and fat, will not bring a high price, but they are always worth something. The roosters should be put in separate crates, for they sell at a lower price than the hens, and unless kept separate will knock down the price of the whole crate. When the hens begin to molt it is too late to try to feed them up. With liberal feeding, the feathers will come off the faster and before you get them fat you have a naked lot of hens that nobody will buy. It is better to sell them for what they will bring than to try to do anything with them.

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.

#### Hens Eggs As Food.

Readers will be interested in what appears below, which we take from a bulletin lately issued from the United States Department of Agriculture:

The value of any food is determined not alone by its composition, but also by its digestibility. It is evident that if two foods have the same composition, but, owing to physical properties or other cause, the first gives twice as much material to the body in its passage through the stomach as the second, it is much more valuable. In connec-

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Also, about 250 head of the most fashionably bred Hereford cattle, (95% Females), and about 300 head Shorthorn and Polled Shorthorn cattle, and various other live stock improvements, and implements.

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  
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**WE MATCH TRADES FOR OWNERS**—List your property with us and let us match it. OWNERS' EXCHANGE, Salina, Kan.

Farm Bargains, sales, trades. Want Texas land. Don't trifle. Buckeye Agency, Agricultural, Kan.

**BARGAINS** in Ness County land, large and small tracts. Write now for lists and literature. C. E. Brassfield, Ness City, 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.

**160 ACRES**, \$8,000, to exchange for merchandise or hardware. Other exchanges. Write what you have. N. F. HORN, Morrowville, Kan.

**FOR FARMS IN NEW YORK STATE** and in 21 other states, east, west and south. address or call on B. F. McBurney & Co., 703 Fisher Bldg., Chicago, Ill., or 309 Bastable Block, Syracuse, New York.

**SAV! 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.

**FOR SALE**—Best orchard bargains ever offered, 5 acres, full crop, net 40 per cent on price, \$5,000, this year. Cash and terms. Other bargains, sale or trade. Write Barbee Realty Co., Fallsdale, Colo.

**GRAB THIS**—160 acres, only 6 miles from Meade, in good neighborhood, 140 acres level as a floor, good soil. Price, \$10 per acre, \$900 cash, \$700 2 years 6%. If you are looking for a real snap, come at once or wire us to hold it. Marrs & Day, Meade, Kan.

**FOR SALE OR TRADE.** A Good Creamery, located in a large town. Almost new. Also a good threshing outfit to trade for land. Also some fine irrigated land in the Laramie Valley, Wyoming, to trade for Kansas farms. W. J. TROUSDALE, Newton, Kan.

**I CHALLENGE** any other section of Kansas on alfalfa and wheat land. This valley is from 7 to 10 miles wide and 85 miles long. I have the lowest prices on good land in the state. **THE BLUE CREEK VALLEY REALTY CO.**, Protection, Kan.

Buy This One and Get a Bargain.—160 acres, 12 mi. from Genoa, in good farming country. Has R. F. D. mail service. Small improvements and balance long time at 6 per cent. W. M. HOFFMAN, Genoa, Colo.

**O. W. CARSON, ASHLAND, KANSAS.** (Established 1885.) I have bargains in wheat and alfalfa lands, and stock ranches, that cannot be beat. It will pay you to write me before buying. Clark county is rapidly coming to the front as a grain producer.

**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.**

**HIGHEST SNAP IN EASTERN KANSAS.** 520 acres of fine laying land, about half creek bottom, fine for alfalfa, corn, wheat or any crop adapted to this country. Improvements fair; 1/4 mile to school, 65 miles to Kansas City, Frisco R. R.; only \$40 per acre. Write for full particulars. Eby Cady Realty Co., Pleasanton, Kan.

**BEST TOWN TO LIVE IN.** 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 **SECRETARY of the COMMERCIAL CLUB, Topeka, Kansas.**

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

**COME TO THE PEERLESS PRINCESS** city and country, where we have everything America affords, and buy yourself a home while property is yet cheap, but as good as the best anywhere. Fine, modern homes in the city and ideal country homes on the farm and farms from 40 acres up, and from \$40 up. Ranches from 320 acres up, from \$22.50 per acre up. Write us your wants and we will find it for us. In all we ask. Johnson & Thompson, 319 Barnes Bldg., Wichita, Kan.

## THOMAS COUNTY

I offer for sale, a smooth quarter section of land, 3 miles southeast of Brewster, Kan., 60 acres under cultivation, and seeded to winter wheat, one-third of which goes with the land. This is a fine, smooth tract, every inch can be farmed, no improvements excepting the cultivation. Wheat is a good stand and promises well. I will sell this quarter cheap, as I must raise some ready cash at once. There is a mortgage on the same for \$500, running at 8 per cent interest, which can stay on or will pay off if party wants it clear. If you mean business, address, **IKE W. CRUMLY, Brewster, Kan.**

## BUSINESS CHANCE

**FOR SALE**—A GOOD BUTCHER SHOP and a good restaurant, all in one large brick building on the main street, with good trade. Good business. I will sell it all for \$1,500. Nick Buch, Hays City, Kan.

## 320 ACRES

of fine, level farming land, near Utica. Will take up to \$4,000 hardware or general merchandise. Price, \$20 an acre. We want to list your good tracts. **BUXTON BROS., Utica, Kan.**

**FREE TICKET** to Chillicothe, Mo., to visit OF BUSINESS. Finest quarters; free night school; positions guaranteed; dancing hall and dancing teacher. Board, \$2.50. Backed by World's Desire Bureau. For catalogue and free ticket, address **WALTER JACKSON, PRES., Chillicothe, Mo.**

**BUY AN IMPROVED, IRRIGATED FARM** in semi-tropical Texas. Dismodale 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.**

**ALFALFA RANCH.** 800 acres. 400 finest alfalfa land, 14 ft. to water. 65 acres growing; 100 acres in corn; spring water; 10-room house, water inside. \$30.00 acre. \$8,000.00 5 years. Take \$8,000.00 trade, priced right. **W. B. BARRETT, Hayes Center, Neb.**

**HARDWARE AND IMPLEMENT** stock for exchange—Stock consists of shelf goods, harness and implements. Invoice about \$2,000. Lot and a half with 38x80 building. Price, \$2,000. Total stock and building, \$4,000. Will exchange for clear land. **W. E. KNIGHT, Traer, Kan.**

## ARKANSAS FARM CHEAP.

160 acres 12 miles southeast of Waldron, 2 miles from good inland town; 12 acres in cultivation, 50 acres more can be tilled, small house and barn, 1 acre in orchard, fine spring on the place and in a very healthy locality; fine hunting and fishing. Price only \$600. Terms. I have other bargains. Write or call at once. **John D. Baker, Waldron, Scott Co., Ark.**

## California's

largest growers of fruit trees can sell, plant and cultivate 10, 20 or 40-acre tracts selected from their big ranch in the fruit belt of Sutter county and guarantee satisfaction or money back because values are increasing. Buy now; come when orchard bears. We have been establishing twenty-four years. Several million trees from our nurseries bearing profits for others throughout California. Ask us to prove to you and your banker that we offer a sound investment for you and your children. **R. A. KIRKHAM, Mgr., Branch Kirkham Nurseries, Yuba City, Cal.**

**FOR TRADE**—Splendid stock of lumber; invoice, \$11,000; only one in town; handle coal, feed, salt, etc. Want and in eastern Kan. Address, **Cave Realty Co., Salina, Kan.**

**FOR EXCHANGE.** 400 a., well improved, central western Mo., farm 2 mi. of R. R. town, good soil, lays mostly level, about all in cultivation, fine blue grass, has 3 1/2 ft. vein of coal. Owner wants private telephone exchange for his equity. Price, \$100 per a. Mortg., \$12,000. Only owners answer. Free list. Address **W. L. MORRIS, Owner's Agency, Garnett, Kan.**

## Do Not Buy Land In Florida Until You Have Tested It.

You are offered the opportunity of a lifetime to go into the trucking and fruit growing business without capital. I have 1,000 acres of truck land and 1,000 acres of grove land, in the Red Lands, on the east coast of Florida, which I will rent for 10 per cent of net proceeds. Renters make \$200 per acre. For full particulars address **Dr. W. S. Burkhart, Sta. R., Cincinnati, O.**

**19,000 ACRES** smooth plains land in shallow water belt in Cochran County. Subdivided into small tracts. Splendid colonization proposition. Must be sold. Terms easy. Will give a bargain to a real purchaser. No trade. **H. H. Simmons, Trustee, Hillsboro, Texas.**

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Everywhere for Exchange. Get our fair plan of making trades all over the United States. **Graham Bros., Eldorado, Kan.**

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**FARMS AND RANCHES** for sale or trade. Corn, wheat, alfalfa and pasture land at from \$10 to \$40 per acre. You should buy now. Let us tell you why. **Sperry & Olson, Hill City, Kansas.**

**WELL IMPROVED** section of western land for a smaller farm in eastern Kansas. O. M. Elliott, 435 Kansas Ave., Topeka, Kan.

**THOUSANDS OF ACRES** of government lands still open for homesteaders, in the San Pedro Valley of Arizona. Abundance of artesian water for irrigation can be developed. Send for our large illustrated book free. **MORLEY-KIMBALL REALTY CO., Benson, Ariz.**

**RANCH FOR EXCHANGE.** 2,420-acre, well improved ranch, out 6 miles from town on U. P. R. R., Wallace county, Kan.; plenty shade trees, abundance of well and living water, 90 per cent best of smooth tillable land, 250 acres of shallow water alfalfa land, 125 now in growing alfalfa, school on ranch, owner old and wants to retire; will take smaller tract on his ranch and some money, and terms to suit on balance; clear, and title perfect. Price, \$20 per acre. Trade for this and get rich as present owner has. Further information furnished on request. **The S. J. BAKER LAND CO., Grainfield, Kan.**

## ORCHARD and ALFALFA

**For Sale or Trade.** 160 acres in the flowing well district of the famous Peecos Valley of New Mexico. Ideal climate. Six miles from good town, with plenty of water from flowing well. All set to apples spring 1911. Best apple district in U. S., 80 acres in alfalfa between rows. Bearing orchards net \$400 to \$700 per acre and sell at \$80 to \$150 per acre. This will make buyer independent for life. Must be sold to settle partnership. Price, \$150 per acre. Good terms, or might trade for income, city property. Write for particulars. **D. F. THOMAS, Roswell, N. M.**

## PURE BRED POULTRY

**THE "BIG THREE" POULTRY FARMS**—Meyers & Stover, Fredonia, Kan. We have enjoyed a most liberal patronage from readers of Kansas Farmer. Eggs for rest of the season at greatly reduced prices. **R. C. R. I. Reds**, high scoring pens, headed by state show and other show winners. Eggs, \$1 per 15. Large, good, choice birds, \$4 per 100. **Bourbon Red Turkeys**, 70 hens; booked full for entire season. **Indian Runner Ducks**—American standard light fawn-white egg machines. Over 8,000 eggs shipped since February 15. Mid-season is best for hatching ducks. Try them. You'll always be glad. Eggs, \$1.50 per 15, \$4 per 50.

## PLYMOUTH ROCKS.

**BUFF ROCK EGGS**—\$2, 50; \$3.25, 100. **W. A. Hillands, Culver, Kan.**

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**EGGS—FAVORITE PLYMOUTH ROCKS**—Eggs from prize winning White, Buff, Partridge and Columbian Plymouth Rocks. Catalog free. Favorite Poultry Farm, Stafford, Kan.

**BARRED ROCKS—HAVE BOUGHT** entire stock of Reynolds, Fremont, Neb. 25 years continuous breeding. 15 eggs, \$2. **Thos. Dooley, Jr., Papillion, Neb.**

**BARRED PLYMOUTH ROCKS EXCLUSIVELY**—Ringlet Strain; good layers, rich color, fine, narrow, regular barring to the skin and good size. \$2 per 15 eggs. **L. P. Coblenz, La Harpe, Kan.**

**SHELLEY BROTHERS' BARRED ROCKS** won 70 premiums—34 firsts, specials and sweepstakes—at Kansas' largest shows. Eggs, \$3 per 15; \$5 per 30; guaranteed. Circular free. Box 7, Elmdale, Kan.

**BARRED ROCKS—BREEDERS, \$1 TO \$2.50**; babies, each, 25c; 12, \$2. Eggs, 15, \$1; 50, \$3.25; 100, \$5. **Winners Topeka, Manhattan, Clay Center. Mrs. D. M. Gill Iespie, Clay Center, Kan.**

**THIRTEEN YEARS' EXPERIENCE** with Onward and Upward Barred Rocks has placed them on the very front ranks in breeding and individuality. 15 eggs for \$3. Pullet mating only. **G. E. Dyksterhuis, Holly, Colo.**

## BABY CHICKS.

**CHICKS—S. C. BROWN LEGHORNS**—\$5 per 50. Pure bred. Winter laying strain. **Carl L. Haug, Rt. 1, Galena, Kan.**

## BUFF COCHINS.

**BUFF COCHIN EGGS—FROM FIRST** pen, \$3 per 15; second pen, \$2. **Housel, Smith Center, Kan.**

## LANGSHANS.

**SPECIAL SALE BLACK LANGSHAN** eggs, \$1 per 15; \$5 per 100. **Mrs. Geo. W. King, Solomon, Kan.**

## PURE BRED POULTRY

### RHODE ISLAND REDS.

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

**ROSE COMB REDS EXCLUSIVELY**—Range eggs, 100, \$4; from prize winning pens, 15, \$2. **Mrs. B. F. Weigle, Winfield, Kan.**

**CHOICE ROSE COMB RHODE ISLAND** Red chickens; fine shape, splendid size, good color. Eggs for sale, \$1 for 15. **Miss Jessie B. Starr, Vinita, Okla.**

**SINGLE AND ROSE COMB R. I. REDS**—Eggs from Tomkins, De Graff and Tuttle strains. Best in the country—15 for \$1; \$4 per 100. Prize winning pens, \$2 and \$3 for 15. **Col. Warren Russell, Odessa Farm, Winfield, Kan.**

### BANTAMS.

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

tion with other works, the digestibility of eggs was studied at the Minnesota Experiment Station. Five experiments were made by means of a pepsin solution to determine the digestibility of eggs cooked under different conditions. Eggs were cooked for three minutes at 212 degrees F., giving a soft boiled egg, and for five minutes and twenty minutes at the same temperature. An egg boiled for three minutes and digested for five hours in pepsin solution, compared with one boiled twenty minutes and treated in the same way showed 8.3 per cent undigested protein in the latter. Under similar treatment the egg boiled five minutes gave 3.6 undigested protein.

Another trial was then made in which the eggs were cooked for periods of six and ten minutes in water at 108 degrees F. In both of these cases the protein was entirely digested in five hours. These results would indicate that while the method of cooking has some effect upon the rate of digestibility, materially it does not affect the total digestibility. The results agree quite closely with those reported some years ago by Rubner, a German investigator, who found that 97.1 per cent of the protein of hard boiled eggs was digested.

At the Minnesota station a digestion experiment was also made with a healthy man, in which a very considerable portion of the nitrogenous material and fat of the ration was furnished by eggs, the other food eaten being potatoes, milk and cream. About 90 per cent of the total nitrogenous material and 90 per cent of the fat consumed were digested. In experiments at the University of Tennessee with healthy men on a diet of bread, milk and eggs, from 90 to 95 per cent each of the protein and fat were digested. The conclusion, therefore, seems warranted that as shown by composition and digestibility, eggs possess the high nutritive properties which are assigned to them.

For a number of years this department has been carrying on food investigations in different parts of the country. One of the objects was to learn the kinds and amounts of food consumed by persons engaged in various occupations and relative cost of such foods. Compared with other foods at the usual price, eggs at 12 cents per dozen were found to be a cheap source of nutrients; at 16 cents per dozen they were fairly expensive, and at 25 cents per dozen and over they were very expensive.

**Test of Good Farming.** We recently heard a speaker dwell at length on comparisons of the acre-yield of American farms with those of the old countries, such as England and Germany. The fact is that there are thousands of farms of the United States on which we believe the average acre-yield is as great if not greater than on the best farms of the countries named. We have in mind some figures which would seem to indicate this to be so. However, it must be borne in mind—and KANSAS FARMER has several times made the statement—namely, that the test of the best farming or farm efficiency is in the cost of production, rather than in the amount of production. Cost of production in farming, as in everything else, is closely allied with amount of production. The larger the acre-yield the lower, as a rule, is the cost of production per bushel. The larger yield is desirable and increased profit will result through larger yield and a constant effort should be made to make the yield as large as is possible. In this country the larger yield is dependable more upon seasonal plowing and cultivation and not attendant upon increased labor and fertilization, and consequently increased cost.

# Readers Market Place

Advertising "bargain counter." Thousands of people have surplus items or stock for sale—limited in number 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 300,000 readers for 4 cents a word for one week; 8 cents a word for two weeks; 12 cents a word for three weeks; 14 cents a word for four weeks. Additional weeks after four weeks, the rate is 3 1/2 cents a word per week. No "ad" taken for less than 50 cents. All "ads" set 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 free of charge for two weeks, for bona fide seekers of employment on farms.

### HELP WANTED.

**WANTED—POSTOFFICE CLERKS, CITY and rural carriers.** Thousands needed. Examinations soon. Trial examination free. Write today. Oment, 44R, St. Louis.

**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.

**FARMS WANTED—WE HAVE DIRECT buyers.** Don't pay commissions. Write describing property, naming lowest price. We help buyers locate desirable property free. American Investment Association, 43 Palace Bldg., Minneapolis, Minn.

**FREE ILLUSTRATED BOOK TELLS** about over 350,000 protected positions in U. S. service. More than 40,000 vacancies every year. There is a big chance here for you, sure and generous pay, lifetime employment. Easy to get. Just ask for booklet A. 809. No obligation. Earl Hopkins, Washington, D. C.

**WANTED—MEN AND WOMEN, FOR** government positions, \$80 month. Annual vacations. Short hours. No "layoffs." Common education sufficient. Over 12,000 appointments coming. Influence unnecessary. Farmers eligible. Send postal immediately for free list of positions open. Franklin Institute, Dept. C 88, Rochester, N. Y.

**MEN WANTED FOR FIREMEN AND brakemen** on railroad in Topeka vicinity; \$80 to \$100 monthly; promotion, engineering; experience unnecessary; no strike; age 18-35. Railroad employing headquarters; over 5,000 men sent to positions on 1,000 official calls. State age. Address, Railway Association, Dept. K, 237 Monroe St., Brooklyn, N. Y.

### CATTLE.

**FOR SALE—EXTRA GOOD 9-MONTHS-**old Jersey bull, registered; 440 buys him. E. P. Gifford, Route 2, Beloit, Kan.

**FOR SALE—32 GOOD MILK COWS, 26** 2-year-old heifers, 14 yearlings, 27 calves; all well bred. P. A. Woodburn, Syracuse, Kan.

**FOR SALE—THREE RED 2-YEAR-OLD** Shorthorn bulls, also a car of full blood cows and heifers. John J. Thorne, Kinsley, Kan.

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

**HOLSTEINS—FOUR CHOICE HOLSTEIN** heifers, and one bull 15-16th pure, 3 to 4 weeks old. \$15 payment, credited for shipment anywhere. Also, one yearling bull, \$45, and one 6 months old, \$30. All nicely marked and from heavy milkers. Edgewood Farm, R. 5, Whitewater, Wis.

**AYLSDALE SHORTHORNS—FIVE** extra good bulls for sale, sired by Archer's Victor, 29012; three 18 months old; two 8 months; three red; two roan. Also some high-class cows and heifers. Farm close to Topeka. Address or call upon owner, C. W. Merriam, Columbian bldg., Topeka, Kan.

### HOGS.

**PURE-BRED, REGISTERED BERK-**shires, Durocs, and trotting stallions, cheap. Arthur Bennett, Topeka, Kan.

**BERKSHIRE BOAR PIGS FROM** registered stock of Masterpiece blood. Cheap for quick sale. G. F. Thompson, Orlando, Okla.

**TAMWORTH SWINE HAVE ALWAYS** shown the largest hogs, won more purple ribbons, had more satisfaction, than any breeder, showman or salesman in the state. Howard Pendleton, Yukon, Okla.

### DOGS.

**COLLIES; 100 PUPPIES, BROOD** bitches and broke male dogs. W. R. Watson, Oakland, Iowa.

**REGISTERED SCOTCH COLLIE PUPS** for sale. Good workers and farm raised. Also, M. B. Turkeys. I. P. Kohl, Furley, Kan.

**SNOW WHITE ESQUIMO PUPPIES—**\$2.50 and \$5. Pointer puppies, by Fishel's Frank. Heavyweight English bulls and one Collie brood bitch. Tested breeding stock of the above breeds reasonable. Brockway's Kennels, Baldwin, Kan.

### SEEDS AND PLANTS.

**SPANISH PEANUTS—WILLARD** Miller, Thayer, Kan.

**CANE SEED—\$2.50 PER CWT. SPECIAL** rates on ton lots. Also, all forage seeds. D. O. Coe, 119 E. Sixth St., Topeka, Kan.

**SPANISH PEANUT SEED—CAREFULLY** selected, cleaned, fanned, and hand picked at our own factory. Get next to this splendid feed crop. Write today. Williams-Hubbard Peanut Co., Texarkana, Texas.

**ALFALFA SEED — OFFER EXTRA** quality alfalfa seed, non-irrigated, \$9.00 bu., delivered any station in state Kansas. Sack free. Sample sent on request. L. A. Jordan, Winona, Kan.

**PLANTS—EARLY AND LATE CABBAGE,** 20c per 100; \$1.75 per M. Tomato: Early Tree, Dwarf, Champion, Kansas Standard, Beauty, Matchless, Stone, 25c per 100; \$2 per M. Sweet Potato: Yellow Jersey and Yellow Nansemond, 25c per 100; \$2 per M. Mango Pepper, Hot Pepper, Egg Plant, 10c doz.; 60c per 100. Chas. P. Rude, North Topeka. Both phones.

### REAL ESTATE.

**CONVERT YOUR FARM OR OTHER** property into cash. Particulars free. Midwest Sales Agency, Box 3, Riverton, Neb.

**FOD SALE—80 A. ALFALFA LAND, IF** interested write for list of ten 80 acre tracts near Salina. V. E. Niquette, Salina, Kansas.

**BUYERS—IF INTERESTED IN FINE** stock and grain farms, write to D. W. Adams, Prairie Grove, Ark.

**CENTRAL MISSOURI FARM BARGAIN—**Grains, grasses, fruit, timber, good water. Write Geo. R. Cleveland, Mokane, Mo.

**DEAL WITH OWNER—40 ACRES N. E.** Oklahoma, adjoining town and good graded school, \$75 per acre; half cash, balance easy. Address, Box No. 7, McIntosh, N. M.

### GASOLINE ENGINES.

**SIX, 11 AND 20-H. P. GASOLINE** engines for sale at second hand price. Correll Mfg. Co., Manhattan, Kan.

### AUTO TIRES.

**SEND US YOUR OLD AUTO TIRES—**we re-tread, making them good as new for half the price of new tires. Write for prices. White's Tire Shop, Topeka, Kan.

### MISCELLANEOUS.

**FOR SALE—BEE SUPPLIES, ROOT'S** goods. Send for catalog. O. A. Keene, 1600 Seward Ave., Topeka, Kan.

**FOR SALE—1 REEVES CLOVER AND** seed huller, 1 1/2 H. P. traction engine for same. The machines can be seen on the Crancer farm four (4) miles north of Tonganoxie. Address, The Crancer Hardware Co., Leavenworth, Kan.

### HEDGE POSTS.

**FOR SALE—25,000 hedge posts. H. W.** Porth, Winfield, Kan.

### VIOLINS.

**STRADIVARIUS VIOLIN FOR SALE—**Excellent sweet tone. Miss Bertha G. Mardis, Route 3, Rosedale, Kan.

## THE STRAY LIST

**W. H. SHAFER, COUNTY CLERK,** Cherokee County. Taken up, by C. S. Dunlap, Galena, Kan.—1 bay mare, 10 years old, white spot in forehead. Had on three shoes and a bell when taken up.

A cement or plank hog wallow may be built in the hog pasture and filled with a 1 per cent solution of coal tar dip. This will kill lice and prevent scurf. Make it about 8 feet square and about a foot deep with a sloping edge for the pigs to run in and out.

## FIELD NOTES

Walter Hildwein, Poland China breeder, of Fairview, Kan., has recently purchased from H. E. Walter, of Ellingham, Kan., a very choice fall boar sired by Sampson Chief. His dam was sired by Expansive and a litter mate to boars in service in the herds of Herman Groninger & Sons, W. R. Webb and Mr. Durbins, of Missouri.

### Fifty Jersey Females.

S. S. Smith, Jersey cattle specialist, of Clay Center, Kan., changes his card this week and offers 50 cows and heifers. Mr. Smith has just returned from Maryland with a carload of very choice animals, all females. A large per cent of them were sired by imported bulls and all of them are of island breeding. Some of them either show records or trace to animals with records. Mr. Smith is short of pasture and room, and will make special prices for a short time.

### T. T. Langford's Big Polands.

Attention is called to the change in the card of T. T. Langford of Jamesport, Mo., one of the leading big-type Poland China breeders of the west. Mr. Langford now has 90 head of high-class strictly big-type pigs that are ready to go. The pigs were sired by C. Wonder, Spotted King and other noted big-type boars. The pigs offered were farrowed early and are a lot of big, growly fellows. If you want the kind that make good, Langford has them.

### Col. L. H. Grote.

The advertisement of Col. L. H. Grote, of Morganville, Kan., appears in Kansas Farmer for the first time this week. Colonel Grote is a young man with good prospects. He was born in Nebraska and has known western life and western conditions from his infancy. He has handled live stock all his life and understands the different phases of the industry thoroughly. He is full of energy and is a hard student. Graduating from the Missouri Auction School it is his intention to become one of the successful salesmen of the west. He has high ideals, but recognizes the fact that nothing comes without effort. He loves good stock and shows his faith by owning a small herd of registered Poland Chinas. When arranging your sales, consider Colonel Grote.

### Amcoats Makes Good Sales.

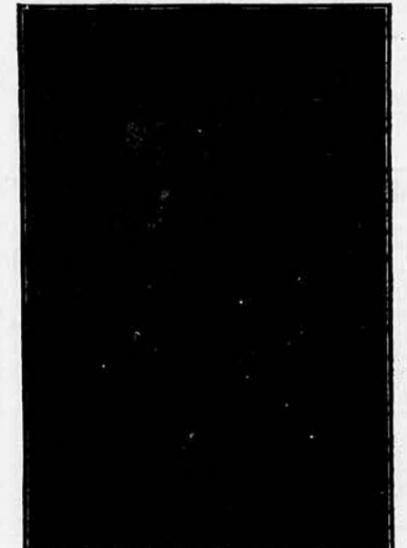
S. B. Amcoats, of Clay Center, Kan., writes as follows: "I have had a splendid inquiry and have made many good sales this spring on Shorthorn bulls. We have sold all bulls old enough for service but one. The natural accumulation of the female herd finds us overstocked at this time. We are a trifle short on pasture and will sell 25 or so of our good females. We will sell a few cows or heifers, or some of each. What we offers are good, young, useful animals, with lots of scale. We put all culls on the fat stock market, and offer nothing that is not worthy. They are well bred and all of them have several Scotch crosses. We also have about 50 good spring pigs of strictly big type breeding that we will price any time from now on. Visitors are always welcome at the farm, and time is always taken to show the stock."

### The Howell Boys.

It affords Kansas Farmer and its western representative unusual pleasure to introduce to our readers the Howell Brothers, of Harkimer, Kan. The brothers, Jesse, Henry and Gilbert, are thorough stockmen and own one of the good Duroc Jersey herds of Kansas. Besides being posted on good stock, these young men are students of present day conditions, and know more about what is going on around them than most men of mature years. The herd was established about 10 years ago, with stock from the herds of Macfarland Brothers, Sedalla, Mo., and Harry Sneed, Smithton, Mo. The present herd boar is Wideawake Lad 115837, a grandson of Buddy K. 4th. He is assisted by Joe Pride 11846, a son of Joe, the World's Fair prize winner. The sow herd contains a choice lot of individuals, many of them tracing to Oom Paul 2d. The spring crop of pigs number about 100. The card elsewhere in this issue directs attention to the fall boars that are offered for sale. Mention Kansas Farmer when writing.

### Fifty Angus Bulls for Sale.

The Sutton Farm, at Lawrence, Kan., is offering 50 Angus bulls for sale. They are a strong lot of bulls, well grown out, and are ready for service, ranging in age from 15 months to 2 years old. A number of these bulls were sired by Champion Itz, by Prince Itz. A few were sired by the prize



### CHARLES E. SUTTON.

winning bull, Poncho. There are 300 head of breeding cows in this herd, and all raised calves last year. The bulls offered are the pick from about 150 head of calves. Mr. Sutton only saves for herd bulls the best; the others are made into good steers for the Kansas City market.

### Klein Has Fall Boars.

L. E. Klein, regular advertiser in Kansas Farmer, has for immediate sale 10 choice fall boars, big, strong, well finished fellows, sired by the big boar, Tulon Prince. A few of them are by Big Mogul by Mogul's Monarch. They are all out of big, mature sows and will make big boars when grown. Mr. Klein also has 10 August and September gilts bred to his young herd boar, Chief Price, by Chief Price 2nd. This young boar is an extra good one, and was bred by one of the best breeders in Iowa. Mr. Klein also has about 40 spring pigs, any of them for sale. They are mostly of February farrow and sired by Tulon Prince and Big Monarch. Mr. Klein has been making good sales so far this spring, but still has plenty of all kinds with which to fill all orders. His prices are reasonable for the kind he breeds. Mr. Klein has a herd of very large sows representing all lines of big breeding. He will hold sale October 24 at the farm.

### Doubles Size of His Home.

A new building which is to cover more than 87,000 square feet of floor space is being erected in La Salle, Ill., as an addition to the home of Big Ben. The officials of the Western Clock Manufacturing Company state that the response to the advertising on this famous alarm clock is practically responsible for the necessity of this large addition to their already enormous plant. The Western Clock Manufacturing Company, otherwise known as the Westclox Community, is now the largest company in the United States and the second largest in the world devoting all their facilities to the manufacturing of alarm clocks, 8,500 every day being produced in this great institution and more than 1,050 men and girls helping in the production. More than a million Big Bens have been sold to date and this means the expenditure on the part of the buyers of more than \$2,500,000. The present day power of advertising is well illustrated by an incident in a jewelry store in Chicago some time ago. A gentleman who had been reading Big Ben advertisements and who decided that he wanted Big Ben went into the store, which is one of the largest in the city, and putting a two dollar bill and a silver half on the counter before a salesman, said to him: "What do I want?" The clerk looked at the questioner and at the money. Finally a smile spread over his face, and he replied: "Two dollars and a half? Why, you want Big Ben? Everything about Big Ben seems to have become famous, even his price." (Continued on page 15.)

# SILOS

Built of Concrete are the Bestvalue for the money

No Repair Bills. No Insurance WRITE FOR PRICES

HOPPER & SON, Manhattan, Kansas

WHITE PLYMOUTH ROCKS



Best All-Purpose Fowls in Existence.

White P. Rocks hold the record for egg laying over all other breeds. 252 eggs each in a year for eight pullets in 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.

THOMAS OWEN, Sta. B, Topeka, Kan.

**GOING TO BUY A HAY STACKER?** If so want your name. Let us tell you about the "Sunflower," the strongest, most practical stacker on the market. Combination for Grain, Bundles or Hay. We can save you money. WRITE US NOW. SUNFLOWER MFG. CO., Box K, Manhattan, Kans.

## PURE BRED POULTRY

### WYANDOTTES.

**WHITE WYANDOTE EGGS—100, \$4;** 200, \$7. Special price on 1,000 lots. Mrs. H. G. Stewart, Tampa, Kan.

**PARTRIDGE WYANDOTTES — STOCK** and eggs for sale. S. S. Jackson, Baldwin, Kan.; formerly Scranton, Kan.

**PARTRIDGE WYANDOTTES — HIGH-**class stock. Eggs, \$1.25 per setting. Write Ed Mendenhall, Salem, Neb.

**BUFF WYANDOTTES — EGGS AND** baby chicks from the finest lot of breeding stock we have ever mated. Mating list furnished on application. Baby chicks, \$3 a dozen; eggs, \$2.50 per 15; two settings, \$4. Prices cut in half after April 20. Wheeler & Wylie, Manhattan, Kan.

### ORPINGTONS.

**KELLERSTRASS STRAIN WHITE ORP-**ington. Eggs, \$1.50 per 15; \$7 per 100. Ed Leclere, Central City, Iowa.

**S. C. BUFF ORPINGTON EGGS, \$4** per 100, \$2.50 per 50; chicks, 10c. Mrs. J. A. Young, Wakefield, Kan.

**BUFF ORPINGTON EGGS—\$1.50 PER 15.** Pen headed by son of second cock at Madison Square Garden. Hawkeye Poultry Farm, Osceola, Ia.

**BUFF AND WHITE ORPINGTONS,** Rose Comb Reds. No more stock for sale until May 1, but lots of eggs and baby chicks. Write me for prices. Roy Sanner, Newton, Kan.

**ORPINGTONS—CRYSTAL WHITE—**From Kellerstrass' \$30.00 matings. Eggs at \$1.50 per 15, \$2.50 per 30, \$4.00 per 50, \$7.00 per 100. Guarantee 80% fertile or replace free. Shipped on date to suit buyer. Order from this ad or write for mating list. Stock for sale. L. C. Smith, Beaconsfield, Iowa.

### LEGHORNS.

**S. C. B. LEGHORN EGGS—15, \$1; 50, \$3;** 100, \$5. Guaranteed pure-bred. A. E. Haug, Centralia, Kan.

### EGGS.

**TURKEY EGGS—NARRAGANSETT,** Bourbon Red, \$3.50 per 11. White Holland, Mammoth Bronze, \$3 per 11. S. Durigg & Son, Armstrong Mills, Ohio.

**WHITE ORPINGTON EGGS, \$1.50** per setting. Pens headed by Kellerstrass cockerel and 5th Kansas State cockerel at Wichita. Bernard Steinkirchner, Box 108, Newton, Kan.

### DUCKS AND GEESE.

**CHOICE INDIAN RUNNER DUCK EGGS,** \$1 per 15. Mrs. E. M. Jones, Granger, Mo.

**BUFF ORPINGTON DUCK EGGS FROM** choice stock. Mrs. Frank Snyder, Portland, Ind.

**INDIAN RUNNER DUCK EGGS—NEW** Standard Pawn and White, \$1.25 15; \$3 50; Eng. Laced, 75c 15; \$2 50. Mrs. G. W. Goudy, Stromsburg, Neb.

**EGGS FROM WHITE RUNNER DUCKS,** \$4 per 12. Eggs from Buff Orpington Ducks, \$3 per 12. Order from this advertisement. Beautiful catalog for a 2c stamp. J. M. Rahn & Son, Route 13, Clarinda, Iowa.

### SEVERAL BREEDS.

**DAY'S FAMOUS S. C. BUFF ORP-**ingtons have won at Boston, Philadelphia, Chicago, Indianapolis, St. Louis, Kansas City, Nashville, Cleveland, Cincinnati, A. Y. F. Exposition, and many other national shows. Eggs, \$2 to \$10 per 15; stock, \$2 to \$25 each. Nothing better at any price than eggs from these good matings. Catalogs free. All orders promptly filled. Dr. H. E. Day, Dumont, Ia.

# FRANK IAMS'

Is going out of the "Horse business." He is closing out his horses at about cost and are the "Big Talk." Iams is selling the tails off of them. His Imported "Percheron" stallion and mares are a "classy bunch" of "big-boned" "model drafters"—the "Iams type" of "nifty" big "Peaches and Cream" "top-notchers." Iams' 1911 importation of "business and show stallions" have competitors "skinned to a frazzle." They are in the "Pink of Condition." They are "eye-openers,"—"Business propositions" that make the "wheels work" under a "live buyer's" "Easter hat." Iams' Imported Black Boys and Girls must be sold in 60 days. Iams is "dividing" the "Peaches and Cream" with his customers and at "bargains" never before heard of for top-notchers.

## IAMS CLOSING OUT PRICES

He has reduced on "Business and show stallions" and "mares" \$200 to \$700 each—Iams has all his "Paris and European prize-winners" on hand—the largest and best horses kept for his "spring trade." "Ikey Buyer"—"Come on along"—Buy a stallion and mares of Iams today and wear a "\$1,000 smile"—Iams' 30 years of successful business makes him a "safe man" to do business with—and He is the "King Bee" horseman and is a "big fly" in the horse world. Owing to "bad crops"—"close money"—"Iams" is making closing-out prices at about cost. Buy now—make "a killing," "cut the melon" and buy a "Ripper" at "Knock-out prices." "Mamma," Iams is a "Hot advertiser," "a money saver." But he has "the goods as advertised." You won't "get stung" at Iams—you get bargains of Iams. He has

## 40—PERCHERONS WINNERS—40

two to six years old, weighing 1700 to 2500 lbs., 90 per cent blacks, 60 per cent ton horses. All "registered," "branded," "inspected" and certificates stamped O. K. by Governments of France and U. S. A. He sells "Toppers" at \$900 and \$1,200 (few higher). Mares \$600 to \$800, so good they need not be "peddled" or put on the "auction block" to be sold. Iams' selling clothes fit all buyers. No man with money or bankable notes gets away from Iams. He buys, owns and sells more stallions than any man in the United States. Iams saved \$300,000.00 to stallion buyers in 1911. He is not in the stallion trust. Iams places \$1,500 insurance. Buyers save \$1,000 on a stallion at Iams' barns.

"Ikey," what a "graft" those "stallion salesmen" are working on the farmer selling fourth-rate stallions at \$3,000. Mr. Buyer, see Iams' stallions yourself. Take no stallion salesman's word. "Iams has the goods you read about." His establishment is worth going 2,000 miles to see. Iams' competitors "holler" he is knocking "High Prices" out of the "Xmas tree." Iams saws wood, "butts in," sells more stallions each year. He makes every statement good. "Ikey Boy," buy a stallion of Iams. His \$1,000 stallions are much better than our neighbors paid those Ohio men \$4,000 for. Then I can wear diamonds. Iams speaks the languages, buys direct from breeders; pays no buyers' salesmen or interpreter; has no two to ten partners to share profits with. Iams guarantees to sell you a better

## Imported Stallion at \$900 to \$1,200

(few higher) than are being sold to stock companies at \$4,000 by Slick Salesmen, or pay you \$500 for your trouble. (You the judge.) Iams pays the horses' freight and buyers' fare; gives 60 per cent breeding guarantee. Iams' guarantee is backed by one-half million dollars. Write for Million Dollar Horse Catalog. It is an "Eye-Opener." It has "a laugh" and a "\$1,000 bargain" in every line.

References: Citizens State Bank, St. Paul, Nebraska; First National Bank and Omaha National Bank, Omaha, Neb.

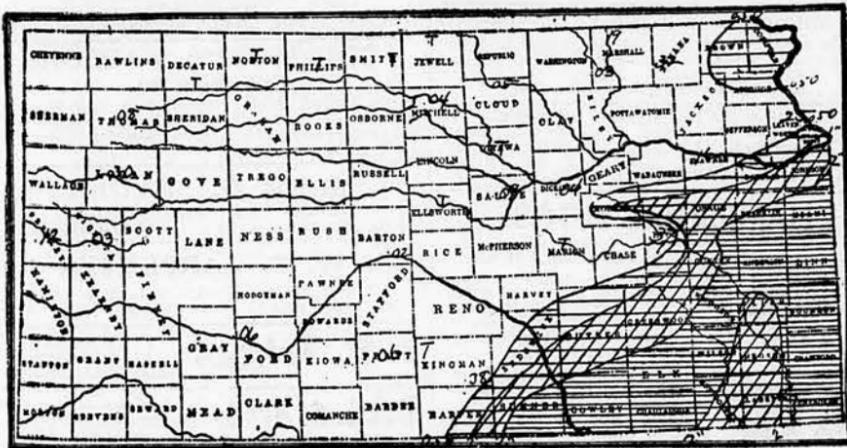
## ST. PAUL, NEBRASKA

MENTION KANSAS FARMER WHEN YOU WRITE.

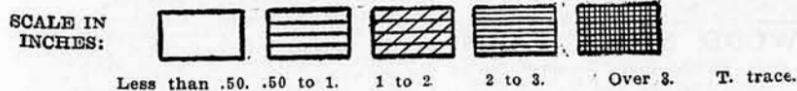
# KANSAS CROP REPORT

FOR WEEK ENDING MAY 30

Rain chart prepared by T. B. Jennings from reports collected by the Weather Bureau.



UNITED STATES WEATHER OBSERVER'S REPORT BY COUNTIES.



Anderson—Still planting corn. Heavy crop of alfalfa.  
 Barber—Getting dry on top. Good week for putting up alfalfa.  
 Barton—Wheat damaged by dry weather.  
 Decatur—Rain badly needed.  
 Douglas—Second crop of alfalfa well along. Early harvest is expected. Wheat good.  
 Elk—Some Kafir being replanted. Corn doing nicely.  
 Ellsworth—Wheat spotted. Needing rain.  
 Greeley—Wheat and oats needing rain.  
 Pastures beginning to get dry.  
 Greenwood—First crop of alfalfa almost harvested. Still planting corn.  
 Jewell—Wheat damaged. Corn doing nicely. Good crop of alfalfa.  
 Kingman—Needing rain. Oats very short.  
 Leavenworth—All crops doing nicely.  
 Marion—Needing rain. Wheat heading nicely. Corn growing nicely.  
 Marshall—Corn all planted. Needing rain. Good crop of alfalfa.  
 Montgomery—Prospect for all crops good. Good crop of alfalfa.  
 Morton—Grass good. Ground crusted.  
 Norton—All crops needing rain. Farmers cultivating corn.  
 Ottawa—Weather unfavorable to crops.  
 Pawnee—Wheat needing rain.  
 Phillips—Crops needing rain. Good crop alfalfa.  
 Pottawatomie—Good crop alfalfa. Poor stand of corn. Needing rain.  
 Pratt—Crops in good condition. Needing rain.  
 Russell—Needing rain.  
 Saline—All crops injured by dry weather. Some wheat badly damaged.  
 Sedgwick—Wheat in good condition. Alfalfa being harvested.  
 Smith—Fruit prospects good. Needing rain.  
 Thomas—Large acreage of corn planted. Needing rain.  
 Wichita—Needing rain. Fruit and gardens damaged.  
 Woodson—All crops doing nicely. Cultivating corn.

Some Good Saturday Rains.  
 Since the preparation of the weather map as above printed, the Weather Bureau reports rain at Kansas stations of the Weather Bureau as follows: Concordia, .48 inches; Dodge City, .42 inches; Dresden, .70 inches; Emporia, .32 inches; Hanover, .64 inches; Hays, .66 inches; Horton, .74 inches; Iola, .08 inches; McPherson, .70 inches; Macksville, .40 inches; Manhattan, .22 inches; Sedan, .80 inches; Topeka, .44 inches; Wichita, .14 inches; Marysville, 1.30 inches; St. Joseph, .72 inches.

## POLAND CHINAS

## POLAND CHINAS

# SAY! Mr. FARMER

Have you ever raised any of the OLD, ORIGINAL, BIG BONED SPOTTED POLANDS? Faulkner has for ten years. They have made good for him and hundreds of American farmers. Write for prices, etc. Pairs or trios, no kin.

**H. L. FAULKNER, Box K, Jamesport, Missouri**

## BIG-BONED SPOTTED POLAND CHINAS.

The old original kind—not related to Faulkner herd. One outstanding yearling; a number of high-class fall and spring boars for sale. They are the real spotted kind that grow big and have quality. For 20 years breeders of big ones.

J. D. GATES & SONS, Ravenwood, Mo.

**Dean's Mastodon Polands.** Breeding stock sired by such boars as Mastodon Gritter's Longfellow, all in the big class. Can supply stock most any age. Priced to sell.

CLARENCE DEAN, Weston, Mo. Phone, Dearborn, Mo. R. R. Sta., New Market, Mo.

## WALLACE'S MAMMOTH POLAND-CHINAS

A splendid offering of big-type young boars for sale, from the strongest collection of big-type brood sows, and by the GRAND CHAMPION BOAR EXPANSION WONDER and GRAND LEADER. Size with quality is my policy.

W. B. Wallace, Bunceton, Mo.

## HANNA'S BIG TYPE POLANDS

We have a few outstanding good fall boars, also a few very high quality fall gilts. They are priced to sell quick, and are bargains.

T. AND C. A. HANNA, Bolckow, Mo.

**BOARS READY FOR SERVICE.** BIG POLANDS: 12 good ones of last spring and fall farrow. Good blood and low prices.

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Durbin's Old Trusty Poland Chinas. Fall boars by Blue Valley Ex at prices that are right. They are strictly big and good. Come or write, mentioning Kansas Farmer.

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## GREEN LAWN STOCK FARM.

A choice lot of fall boars. Also two herd boars—Young Hadley by Big Hadley, and Big Spot by Pawnee Blain. Am booking orders for spring pigs for June shipment. I will trade a few Missouri farms for Kansas wheat land.

A. J. ERHART & SONS, Adrian, Mo.

**C S NEVIUS' HERDS.** Shorthorns and large type Polands. The home of the great bull, Searchlight, and herd boars, Designer and Major Look. Young bulls and young boars for sale. Remember our Sale Date: Shorthorns, June 6, 1912. Forty miles out of Kansas City.

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Pure-bred Poland Chinas and Duroc Jerseys. Sold out but still in the business.

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## L. C. WALBRIDGE,

Russell - - - - Kansas.

Offer for your inspection choice sows, both medium and big type, backed up by six boars hard to beat. Let me fill your wants.

## POLAND CHINA BOARS.

Twenty fall boars ready for service. Twenty-five fall gilts, priced to sell. All large-type breeding, sired by Highball Look by Grand Look Jr. Write today. I mean business.

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Bred for quality and size. Address, ALVIN LONG, Lyons, Kan.

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80 choice spring pigs sired by Mammoth Hadley and Grand Model, two as good sires as can be found in the west; dams of pigs carry the blood of nearly all big sires.

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Twenty-five Spring Boars, ready to ship at 2 months. Buy the best in big type breeding and save money on shipment. Inspection invited.

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For Sale Ten Choice Fall Boars—15 Choice Gilts—a few bred for May litters, priced reasonable and guaranteed right.

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Spring boars for sale, sired by Mastiff, the first and grand champion boar at Topeka, 1910; Longview Orange by Big Orange, and Victor Chief by Big Victor. Victor Chief is the largest boar if fat in Missouri. All large type and priced reasonable. Write today.

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**THE LARGE, SMOOTH POLANDS.** Fifty head of fall boars and gilts that have size and quality; also, a few bred gilts. L. E. KLEIN, Zeandale, Kan.

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12 Poland China boars of November farrow. Extra good individuals. Sired by Giant Chief Price and out of J's Wonder dams: \$20 to \$25 each.

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**STRAUSS POLAND CHINAS.** Big, smooth kind, headed by Model Bill 54634, and Model Wonder, descended from A Wonder. Sows of equal merit. Stock for sale.

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Big, smooth Polands. Ten ribbons at State Fair last year. For sale at reasonable prices. JOSIAS LAMBERT, Smith Center, Kan.

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heads my Poland China herd. He is in the 1000-pound class and mated with big sows. Stock for sale. JOHN T. CURRY, Winchester, Kan.

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200 Spring Pigs for immediate sale. Pairs and trios not related. The blood of the biggest Polands; new blood for these parts. Write for private sale catalog and prices.

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## LARGE POLAND CHINAS

Choice boars, bred sows and gilts for sale. Sired by King Hadley, John Ex. and John Long 2d. Prices right.

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## HERD BOAR FOR SALE.

Grand Look 2d, by Grand Look, Jr., he by Grand Look. An extra good individual and fully guaranteed.

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For sale, 12 young boars, will make herd headers; 30 choice gilts; 100 spring pigs. Prices reasonable.

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## FALL BOARS.

A few choice ones sired by First Quality 60266 and out of Expansion dams, at \$25 each. JAS. ARKELL, Junction City, Kan.

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Choice November and December boars, sired by Blue Valley, Jr., and Hartman's Hadley; \$20 for choice and quick sale. J. J. HARTMAN, Elmo, Kan.

## POLAND CHINA BOARS FOR SALE.

Six extra good boars. Also, spring pigs sired by Kansas Hadley and Kansas X. Joe Bowers, Grand Leader, Expansion Wonder and Mount Vernon King. Prices to sell. Write today.

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# LANGFORD'S Big Type Polands

Have 90 head spring pigs ready to ship. Out of big, motherly sows with stretch, and strictly big type boars. C. Wonder, Spotted King and other noted boars. My hogs have the stretch.

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MISSOURI HERD—Mulefoot Hogs. A few fine yearling boars for sale. Also an extra good lot of spring boars and gilts. Stock priced to sell.

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Choice ones to select from. Fed and handled properly for good results. Choice breeding. Only the best saved for breeding. Reasonable prices.

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The acreage in both Kafir corn and soy beans that has been planted in Kansas this season is the largest in history. The several experiences of 1911 have turned attention to these drought-resisting and valuable crops, and cow pea hay will doubtless have a quoted price on the market this fall.

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20 large Jacks from 2 to 7 years old. 25 head extra good Jennets priced right. Come and see me. **PHIL WALKER, Moline, Elk Co., Kansas**

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Ten choice, richly bred bulls, from 8 to 18 months of age. Also, few young cows and heifers. Plenty of size, extra good heads, with horns to match, and elegant coats.

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Seven young bulls, Scotch and Scotch topped, ready for service. Also a few cows and heifers, bred or open. Write for prices and descriptions. **S. B. AMCOATS, Clay Center, Kan.**

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**FOR SALE**—25 choice young bulls in age from 6 to 20 months. A few straight Scotch and all Scotch topped. Good individuals, both reds and roans. Can ship over Rock Island, Santa Fe or Missouri Pacific. Inspection invited. **C. W. TAYLOR, R. F. D. 2, Enterprise, Kan.**

**High-Class Shorthorns** 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.**

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Herd headed by Lord Mutiner 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.**

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From 8 to 18 months old. A number of them herd headers. They are bred right and are right as individuals. Write us for description and prices. **C. D. & E. F. CALDWELL, Burlington Junction, Mo.**

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Herd headed by Frost's Buster. A number of extra good boars, ready for service, for sale. Also a number of choice gilts. This stock is priced to sell. **DAN WILCOX, Cameron, Mo.**

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**DUROC SPRING PIGS.**

Both sexes, sired by L. & C.'s Ohio Chief, refused \$2,000; son of Immortal Ohio Chief, sold for \$4,000; world's champion and foundation head of all best herds in U. S.; out of Prince of Cois., Red Wonder, Top Notcher and Orion Chief sows. I will sell you these grandsons and daughters of Ohio Chief for \$25. Only man in U. S. doing it. Satisfaction guaranteed. Send in your check. Got 60 head ready. **J. B. Thompson, Columbia Station, Lorain Co., Ohio.**

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Last fall farrow, sired by Good E Nuff and out of sows by Crimson Jack by Crimson Wonder. **E. H. GIFFORD, Lewiston, Neb.**

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High class Hampshires. Immune young boars for sale. Also fall pigs of both sexes. **J. Q. EDWARDS, Smithville, Mo.**

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Guaranteed choice breeding stock of very fashionable lines. Either sex. Pigs, \$15; of breeding age, \$25; very extra choice, best quality, \$35. Registered. Crated f. o. b. **R. J. LINSCOTT, Holton, Kan.**

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Sows bred for summer farrow. A splendid lot of young boars. Write **SUTTON FARMS, Box 133 Lawrence, Kansas.**

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**Field Notes.**

**Sutton's Berkshires.** Sutton's Berkshires, like the Sutton dodgies, are known wherever good blood and good animals are in demand. The Sutton farm at Lawrence, Kan., is offering some very choice bred gilts and an extra good lot of strong boars for sale. As they have about 150 head on the place they are making very reasonable prices on these young things to make room for the incoming pigs. If you cannot visit the farms now, just write your wants, and mention Kansas Farmer.

**Thompson Brothers' Durocs.** Thompson Brothers, the widely known and successful Duroc Jersey breeders, of Garrison, Kan., have been making hay while the sun shines. They have a large number of hogs on hand, consisting of about 50 fall gilts, quite a number of good fall boars and about 40 pigs of spring farrow. The spring pigs are an unusually good lot. A big per cent of the spring pigs were sired by the outstanding good young boar, B. V. Col., by Ohio Col., with a dam by Tatarax. He is a boar of wonderful smoothness, lots of length and full of quality. He will be shown this fall with a bunch of others at leading state fairs. Other pigs are by Golden Chief, an extra good breeding Golden Chief sired by Ohio Chief, son of the outstanding good young boar, B. V. Col. Thompson Brothers have a sow herd that reflects much credit upon their ability as breeders and buyers. They are large, and trace to all leading sires, chiefly Ohio and Col. breeding. Thompson Brothers claim two sale dates, October 30 and January 22.

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JUNE 19-20, 1912

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HERD BULLS IN THE SALE.

JOLLY ROYAL SULTAN 90032. The matchless son of Viola's Golden Jolly. The dam, Majesty's Lady Houpla 213941, sold in our 1911 sale to Elmendorf Farm for \$3,425.00. Now on authenticated yearly by the Kentucky Experiment Station.

MARETT'S GOLDEN JOLLY 90386.

The sensational son of Viola's Golden Jolly. His dam, Marett's Lady Fox 203643, daughter of Champion Flying Fox 61441, sold for \$7,500. Champion winner over Jersey 1899.

KING ELDORADO 79721. Sire, Golden Fern's Lad, P. 2160, H. C. Winner of first and championship North Club Show, 1896 and 1897. One of the greatest sires ever imported. Dam, Champion Lady Vernonia 195785, Imp. Seven days test 15 lbs. 15 oz. butter. Unbeaten Champion cow of the Island of Jersey.

WARDER'S CHINA LAD 89555.

A most excellent young sire by China's Lad, P. 4144, H. C., who was 3d prize winner St. Owen's A. S., 1908. Dam, Warder's Beauty, P. 1760, H. C. by Warder, P. 3227, H. C. winner of 1st prize over Jersey, April, 1904. 1st with his get Western Show, 1904.

Sale includes every animal on the farm. An absolute dispersal—no reserve. Press of professional work is too great to properly look after so large a herd of cattle, and what we lose by letting them go will be gained by the Jersey interests of the Central West where we hope our cattle will go into scores of herds to the benefit of each one. We think we are entirely within bounds when we say that we have gathered together at Kinloch Farm the best lot of imported and home-bred Jerseys ever put into the auction ring and, owing to the unusual large number to be sold, we feel that the prices that will prevail in this sale will be attractive to the western breeders, and we are soliciting your patronage, believing that never before in the history of the Jersey business has there been a time that the buyers could buy such high-class cattle at a reasonable price.

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FIELD NOTES

FIELD MEN.

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

PURE BRED STOCK SALES.

- Poland Chinas. Aug. 6—J. B. Lawson, Clarinda, Iowa. Aug. 7—W. Pfander & Sons, Clarinda, Ia. Aug. 8—L. R. McLarnon and J. O. James, Braddyville, Ia. Aug. 9—J. O. James, Braddyville, Ia. Aug. 23—W. B. Wallace, Bunceton, Mo. Aug. 24—Bert Harriman, Pilot Grove, Mo. Aug. 28—J. R. Sparks, Hunter, Okla. Sept. 27—John T. Curry, Winchester, Kan. Oct. 1—John C. Halderman, Burchard, Neb. Oct. 3—Williams Bros., Villisca, Ia. Oct. 8—Thompson Bros., Marysville, Kan. Oct. 9—Herman Groninger & Sons, Bendena, Kan. Oct. 15—H. C. Graner, Lancaster, Kan. Oct. 16—H. B. Walter, Effingham, Kan. Oct. 18—W. E. Long, Meriden, Kan. Oct. 17—J. H. Baker, Butler, Mo. Sale at Appleton City, Mo. Oct. 17—M. T. Williams, Valley Falls, Kan. Oct. 17—Wayne Hudson, Hemple, Mo. Sale at Stewartsville, Mo. Oct. 19—W. H. Charters, Jr., Butler, Mo. Oct. 22—Jacob Sparks, Pattonburg, Mo. Oct. 22—John W. Noll, Winchester, Kan. Oct. 23—T. E. Durbin, King City, Mo. Oct. 23—R. J. Peckham, Pawnee City, Neb. Oct. 24—L. E. Klein, Zeandale, Kan. Oct. 25—J. J. Hartman, Elmo, Kan. Oct. 31—W. E. Copeland, Waterville, Kan. Oct. 31—W. Z. Baker, Rich Hill, Mo. Nov. 1—Walter Hildwein, Fairview, Kan. Nov. 2—E. J. Manderscheid, St. John, Kan. Nov. 2—Hubert J. Grimths, Clay Center, Kan. Nov. 9—W. A. Baker & Son, Butler, Mo. Nov. 13—Herman Groninger & Sons, Bendena, Kan. Nov. 15—O. R. Strauss, Milford, Kan. Jan. 16—H. B. Walter, Effingham, Kan. Jan. 24—Jas. G. Long, Meriden, Iowa. Feb. 5—J. L. Griffiths, Riley, Kan. Feb. 8—Thompson Bros., Marysville, Kan. Feb. 8—W. H. Charters, Jr., Butler, Mo. Feb. 12—Ira C. Kyle & Son, Mankato, Kan.

Duroc Jerseys.

- July 26—E. W. Davis & Co., Glenwood, Mo. Sept. 4—W. R. Huston, Americus, Kan. Sept. 25—White Bros., Rose, Kan. Sept. 28—S. W. Alfred & Sons, Enid, Okla. Oct. 18—Jeff Constant & Son, Denver, Mo. Oct. 19—E. C. Jonagan, Albany, Mo. Oct. 29—W. Bales, Manhattan, Kan. Sale at College. Oct. 30—Thompson Bros., Garrison, Kan. Nov. 12—Lant Bros., Dennis, Kan. Jan. 30—J. W. Wohlford, Waterville, Kan. Feb. 4—Alvin Vilander, Manhattan, Kan. Feb. 6—Thompson Bros., Garrison, Kan.

O. I. C.

- Oct. 24—R. W. Gage, Garnett, Kan. Oct. 25—Milton Pennock, Delphos, Kan.

Fulton's Polands.

F. W. Fulton, one of the best-known and liked big type Poland China breeders of the territory, is raising about 30 good pigs on his farm located in the edge of Waterville, Kan. Mr. Fulton has some choice bred gilts for sale, and will start a card later.

Durbin's Sale October 23.

T. E. Durbin of King City, Mo., owner of Durbin's Old Trusty herd of big-type Polands, claims October 23 as the date of his annual fall sale. He reports the large number of spring pigs of the herd doing fine and will have a splendid offering for his fall sale. He still has a few choice fall boars sired by Blue Valley Ex that he is pricing for quick sale. They are extra good ones and a bargain at the prices asked.

Yearling Boars.

A. L. Albright, the well-known Poland China breeder, of Waterville, Kan., has sold out on bred gilts, and changes his card to boars. He has 12 extra good ones of last spring and fall farrow. They are in fine condition for immediate service, and Mr. Albright will make very attractive prices, as he needs the room for the 50 good spring pigs that must be developed for the fall trade. The spring pigs are mostly by the herd boar, Cavitt's Mastiff, a boar of great size and extra good conformation. Nearly all of the spring pigs are out of sows by A. L.'s Hadley. Mr. Albright's herd has a lot of size, but he has been able to keep up the quality and the herd is always in nice condition. Having the run of lots of pasture, the pigs always make good as breeders and are noted for being the big litter kind. Write Mr. Albright about the boars, and mention Kansas Farmer.

A Good Duroc Herd.

A new Duroc Jersey herd that promises

much is located at Manhattan, Kan., on a farm adjoining the Kansas Agricultural College, W. W. Bales, the proprietor having moved to this location for the purpose of educating his children. The farm is well adapted to the business of raising pure-bred swine, and Mr. Bales, in laying the foundation for the herd, has advised with the best breeders and drawn upon some of the best herds of the state. His herd bear, G. M. Col., formerly headed the herd of G. M. Hammond. He was sired by G. M.'s Carl Col. and his dam was Duroc Lady. He is an extra good individual and breeder, and was second prize boar in his class at Kansas State Fair last year. Mr. Bales has about 40 good pigs sired by this boar. They are very thrifty and uniform, and are all of March and April farrow. They are for the most part out of daughters of the noted prize winning boar, Tatarax. Mr. Bales will hold a public sale at the college sale pavilion on October 29, and his card will appear later in this paper.

Copeland's Polands.

A recent visit to the Poland China herd belonging to Mr. N. E. Copeland, of Waterville, Kan., reveals the fact that Mr. Copeland is one of the progressive breeders of the territory. Mr. Copeland owns a fine, well improved farm adjoining town, and for years has bred a very high class type of registered Poland Chinas. Mr. Copeland has the best lot of spring pigs he has raised for a good many years. There are about 60 of them, all of February and March farrow. Nearly all of them were sired by the herd boar, Copeland's Hadley, a son of Cavett's Hadley, he by Big Hadley. A good litter of eight was sired by Expansion's Son and out of an extra choice Hadley-bred sow sold at Lee Gross' dispersion sale. Mr. Copeland also has a good line of fall gilts and some choice spring and fall boars that are ready to sell right now, among them being three good ones of fall farrow sired by Designer. These have extra good bone and will be sold reasonably. Mr. Copeland's sows are of the large, well finished sort, tracing direct to sires like Expansion, First Choice, Big Hadley, etc. Mr. Copeland will hold an October sale, the date of which will be announced later.

Missouri Herd Mulefoot Hogs.

Ernest E. Graff of Rosendale, Mo., owner of the noted Missouri herd of Mulefoot hogs, starts a card in this issue of Kansas Farmer. Mr. Graff owns one of the best herds of that breed of hogs in the west. His herd is headed by King 5243, sired by Ideal King 1008. King is a very fine individual, large and very smooth, good head and ear, heavy bone, lots of quality, is an easy feeder and a splendid breeder. Mr. Graff has a very fine lot of herd sows and a greater part of his foundation stock came from the Dunlap and Scanlon herds. At this time he is offering a number of extra good yearling boars for sale. They are right in size and quality. He will also book orders for spring pigs, either boars or gilts. He has a fine King and out of his best herd sows. This herd will interest farmers or breeders who want Mulefoot hogs. Mr. Graff is pricing the stock to sell. Write him at Rosendale, Mo. Please mention Kansas Farmer when writing.

Robert W. Baskett's Big Polands.

Robert W. Baskett of Fayette is one of Missouri's progressive young breeders of Hereford cattle and big-type Poland China hogs, and his herds are among the best in the state. In building up his Poland China herd he purchased the best to be had both in breeding and individuals. His first herd boar, Capt. Hadley 57302, by Big Hadley, dam Big Sallie, was one of the good big-type boars with lots of quality and a remarkably good breeder. He was a litter brother to Bunceton Hadley, owned by Bert Harriman. Mr. Baskett has an extra good herd of Chief Wonder, Missouri Jumbo, Expansion Wonder and Pan Coast sows. He also has sows sired by Expansion's Son out of Mastodon dams. A recent addition to the herd was from W. B. Wallace's herd and included the two top sows in Mr. Wallace's May sale. The offering from this herd for the fall trade will consist of a lot of very high quality spring pigs sired by such boars as Missourian, Expansion Wonder and Grand Leader. Watch for his announcement later. He will have an offering that will interest farmers and breeders wanting the big, high-quality kind.

J. M. Pemberton's Big Polands.

Mr. J. M. Pemberton of Fayette, one of Missouri's leading breeders of big-type Polands, owns one of the very high-class big-type herds, and his herd has gained a high reputation throughout the corn belt. The present head of this herd is Big Johnson 61983, sired by Orphan Chief 50986 by Orphan 47470, dam Maud J. by Standard O. K. 55477. Big Johnson is a yearling of remarkable size and quality. He has an extra large, clean bone, fine quarters, a good back, is evenly wide from back to front, good feet and extra good head and ear. He is a show hog of extra quality in every respect; shows fine as a breeder, and is one of the best yearling boars of the big-type breed now in service. He will be with Mr. Pemberton's show herd this year, and is a prospective winner. Mr. Pemberton

succeeded in saving a fine lot of early farrowed pigs, many of them sired by Big Johnson, others by his other great boar, Missourian's Best 5431. The pigs are out of a very select lot of Colossus, Budweiser Expansion, Orphan Chief, Blain's Wonder, Big Hadley and Long John sows. They will be in fine shape for the fall trade. Watch for Mr. Pemberton's announcement of his offering later. It will be of interest to breeders.

Increases Yield of Milk.

On another page you will find advertisement of Cow-Ease, a preparation for keeping flies off cattle in the summer months. Cow-Ease bears an excellent reputation and has many friends among the farmers. It will prevent lice and ticks, also the terrible pest of flies that worry the cows so much. It is a well known fact, and has been proven by tabulated records kept by dairy men, that if Cow-Ease is applied during the summer months, it will increase the yield of milk at least 20 per cent and will keep the cows in a very healthy condition. It is easily applied with a sprayer and is a clean, harmless liquid which does not gum the hair. Cow-Ease is made by Carpenter-Morton Company of Boston, Mass., and our readers can purchase it at local dealers or take advantage of a trial offer direct from the manufacturer.

Gold Metal Comes to Kansas.

Poland China breeders of several states will be interested in the transaction by which the great boar, Gold Metal, becomes the property of H. B. Walter, of Effingham, Kan. Gold Metal has for some time been conceded to be second to none of the big type boars now in service. He has already helped to make two or three herds famous. John C. Halderman, of Burchar, Neb., has found ready sale for his get at prices far in advance of what breeding hogs are usually sold for. Gold Metal is a boar of great size, with an unusual amount of finish, weighing when in high flesh 1,000 pounds or over. Sons of Gold Metal were much in demand last year and head some of the best herds of Kansas, Nebraska and Illinois. Mr. Walter is certainly to be congratulated upon his good judgment and nerve to pay a price sufficient to own a boar of this kind. He is a fitting successor to the class of sows to be found in the Walter herd, will produce breeding animals that will go to the best herds, no difference where located. The writer knows of no breeder that could make an investment of this kind to better advantage than Mr. Walter. A thorough business man and experienced breeder and a man having the full confidence of everyone with whom he comes in contact. It is our prediction that Gold Metal's reputation will extend throughout the corn belt, and his get be sought after more than almost any other boar now in service.

Wohlford's Good Durocs.

The writer recently spent a few hours very pleasantly at the home of Mr. J. W. Wohlford, located about 5 miles from Waterville, Kan. The Wohlford family, consisting of Mr. and Mrs. Wohlford and son, Harold, after years of city life, are now having year-round vacations on the farm. The farm, consisting of 240 acres, is an ideal one for a stock farm. Lots of spring water, shade and natural storm protections. The herd of Durocs show the results of some thought and a great deal of energy in care and mating. There are about 40 good spring pigs, all by Carter's Golden Rule, by Golden Rule Special, he by Pearl's Golden Rule. The pigs are, for the most part, out of sows sired by Queen Col, a son of King of Cois 2d and one of the best Col. boars ever owned in Kansas. He formerly headed the herd of Chester Thomas, of Waterville, Kan. The breeding stock thus combines the blood of the Col. Golden Rule and Nebraska Wonder families. Mr. Wohlford starts a card in Kansas Farmer this week, in which he offers for sale choice fall boars sired by Carter's Golden Rule and out of G. C.'s Kansas Col sows. Write at once for prices on these boars; they will not last long.

A Kansas Auctioneer.

"He was a friend to man and he lived in a house by the side of the road."—Homer. For over 30 years Col. L. R. Brady, of Manhattan, Kan., has stood firmly and consistently as an advocate of better live stock. From his location he early in life learned the lessons that it takes most men a lifetime to learn, and many never learn. A student of the Kansas Agricultural College and then a graduate of a veterinary college, he devoted years to the study and practice of veterinary science. Later, an auctioneer and booster for Kansas agriculture and live stock. Few men have stood firmer for real merit in the advancement of all live stock. Many auctioneers have some special kind of live stock that they delight to sell. But with Col. Brady all good stock have his appreciation and he can pick the good ones, whether it is Percherons or trail hounds. Col. Brady is a native of Virginia, but came to Kansas when a mere boy. He loves Kansas and her people. He knows the live stock game as well as any man in the state. He is an orator of ability, a worker worth while. Kansas breeders will

serve their best interests by consulting with Col. Brady long and often.

The Robison-Axtell Sale.

The J. C. Robison and Dr. J. T. Axtell sale of Percheron brood mares was well attended by a large number of eager buyers who came from several states. The offering, while mostly brood mares and young fillies, was presented in a very creditable condition, and the prices received were very satisfactory to both consignors. Following is a report of the sale in full: Robison's Consignment.

MARES.

- 3—Annette, 2 years, sire Casino, Lee Bros., Harveyville, Kan., \$550. 4—Black Best, 2 years, sire Nelaton, C. C. Andrews, Steele City, Neb., \$450. 7—Flora May, 3 years, sire Astrakan, Edward Stakeham, Tamblin, Kan., \$355. 8—Rosie June, 3 years, sire Clovis, Richard Hanson, Perry, Okla., \$305. 11—Stellette, 2 years, sire Casino, C. C. Andrews, \$390. 12—Culture, 2 years, sire Lamy, Harry Nelson, Miami, Tex., \$300. 15—Atala, 2 years, sire Robert, J. J. Zimmerman, Sterling, Kan., \$415. 16—Deese, 2 years, sire Casino, Perry Nelson, \$400. 19—Mattie, 7 years, sire Marshall, Chas. Johnson, \$365. 20—Cornette, 2 years, sire Casino, Harry Wilson, \$395. 23—Margot, 2 years, sire Lamy, Julius Stucky, Mound Ridge, Kan., \$280. 24—Rosette, 2 years, sire Bonhomme, Richard Hanson, \$355. 27—Kaziah, 5 years, sire Bolage, Charles Johnson, \$605. 28—Lona, 2 years, sire Lamy, C. C. Andrews, \$415. 31—Gracie, 2 years, sire Lamy, Dr. Cook, Harveyville, Kan., \$350. 32—Heroline, 2 years, sire Lamy, C. C. Andrews, \$405. 36—Miss Sumner, 12 years, sire Beaumont, Charles Johnson, \$305.

STALLIONS.

- 37—Casino Model, 2 years, sire Casino, L. B. Robinette, Franklin, Neb., \$585. 38—Lord Chesterfield, 1 year, sire Glacis, Henry Frather, Newton, Kan., \$375. 39—Harry, 2 years, sire Babylon, J. H. Ellis, \$535. 40—Duke, 2 years, sire Toulon, Lee Bros., \$510. Extra—Imp. Jour, 3 years, L. B. Robinette, \$1,000. Extra—Artileur 2d, 3 years, J. H. Ellis, \$775.

Dr. Axtell's Consignment.

MARES.

- 1—Casarine, 7 years, sire Casino, William Tomb, Wichita, Kan., \$445. 2—June Bell, 7 years, sire Black Diamond, E. J. DeLong, Emporia, Kan., \$500. 5—Dorothy, 3 years, sire Keota Scoggan, E. J. DeLong, \$330. 9—Murtle, 10 years old, sire Balzac, Charles Johnson, Hartford, Kan., \$520. 10—Luana, 6 years, sire Drafty Model, Charles Johnson, \$505. 13—Faustina, 4 years, sire Girton Victor, C. C. Andrews, \$485. 14—Rhoda, 6 years, sire Iena, William Fox, Sterling, Kan., \$525. 18—Cassie, 3 years, sire Paragon, Joseph King, Potwin, Kan., \$540. 21—Queen Bee, 1 year, sire Paragon, George Roberts, Milan, Mo., \$300. 22—Jettie, 1 year, sire Frondo, J. H. Ellis, Muenster, Tex., \$255. 25—Pigeon, 1 year, sire Paragon, C. W. Roberts, \$265.

STALLIONS.

- 26—Diavolo, 1 year, sire Paragon, George M. Roberts, \$255. 29—Don Juan, 1 year, sire Paragon, Jack Cox, Wichita, Kan., \$220. 30—Lorenzo, 1 year, sire Paragon, J. B. Duerson, Chanute, Kan., \$350. 33—McAdams, 2 years, sire Champagne, George T. Wolf Sons, Blue Mound, Kan., \$440. 34—Rodger, 1 year, sire Paragon, J. M. Huedert, Newton, Kan., \$255.

SUMMARY.

28 mares brought... \$11,310; average, \$403.92 11 stallions brought... 5,300; average, 481.81 39 head brought... 16,610; average, 425.89

A New Duroc Breeder.

A new Duroc Jersey breeder and advertiser who bids fair to become prominent is Mr. Alvin Vilander, of Manhattan, Kan. Mr. Vilander is located one mile east of town, where he owns a fine, highly improved 230-acre farm, with every convenience for the breeding of pure-bred swine. He has about 130 good pigs sired by a number of different sires. Among them are Tatarax, White House King, Chief Martial, Tat's Col. and Carl Critic, the great breeding boar now owned by Mr. Vilander and formerly in service in the Hammond and Thompson Brothers' herds. Mr. Vilander has bought extensively from the best breeders, and has a sow herd of extra large individuals, and all of them close up to the prominent sires of the breed. Mr. Vilander's card will appear soon and he will sell bred sows February 4.



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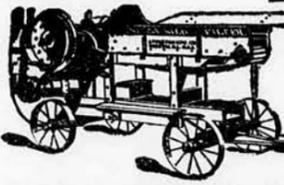
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