KANSAS FARMER

For the improvement of the Farm and Home

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What The Kansas Farmer Hath Wrought

By I. D. Graham

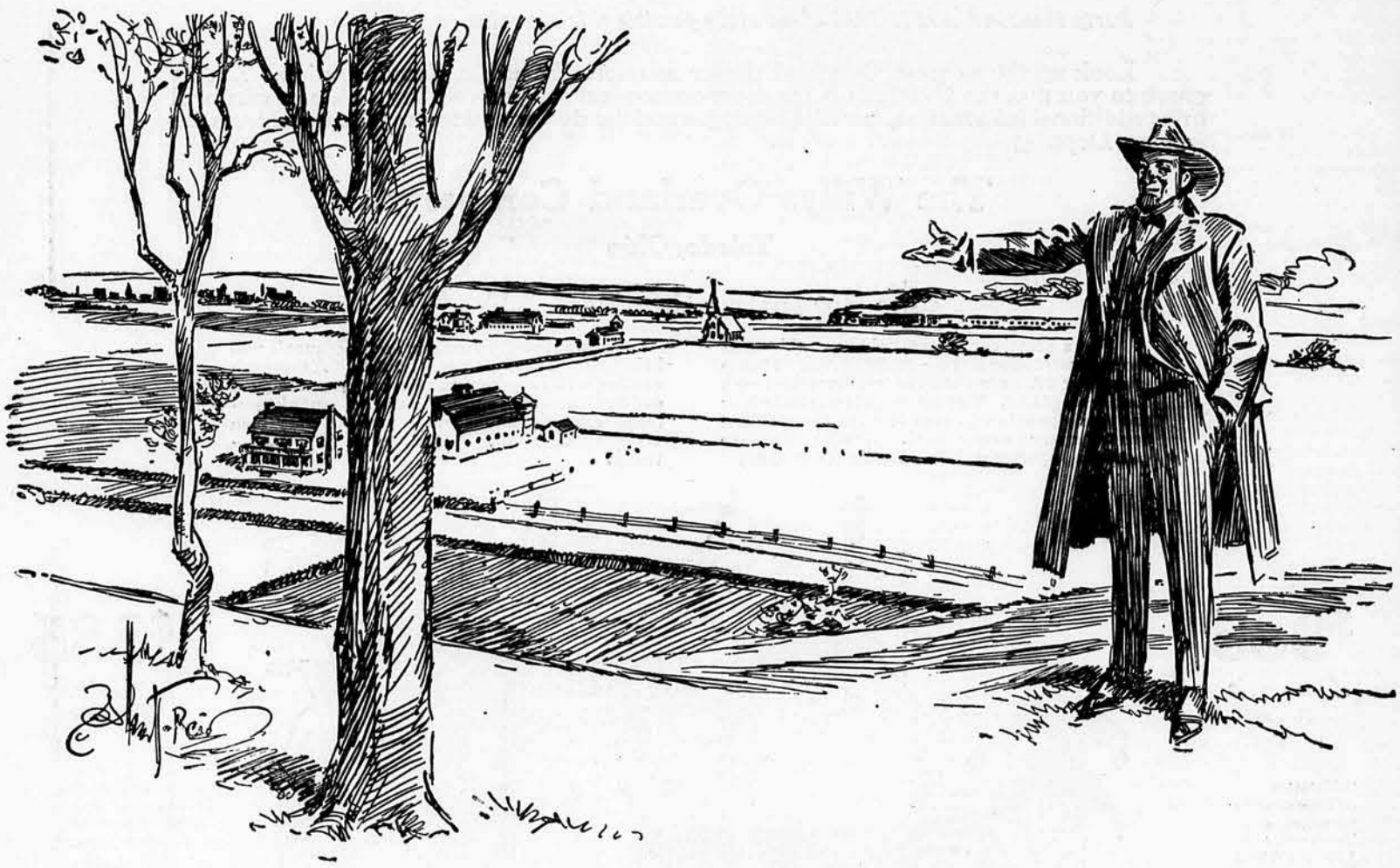
O! a wonderful tale is that of our State,
Which was carved from the desolate plain
By the sturdy men, whose intensive hate
Of slavery, oppression and wrong would mate
With their zeal for freedom, which all must gain.

They endured tribulation, grasshoppers and war,
Fought savages, cyclones and penury drear,
But they came for an Idea that was greater far
Than the comfort and ease which conditions could mar,
And gave the world Freedom, dismembered from fear.

From over the mountains and through the dales
They came in a splendid, generous throng,
To stand persecution, which swept like the gales
Of the boundless prairies along whose vales
They planted deep roots of their homes among.

They plowed and they planted; wrought early and late,
And built churches and schools on the hills,
While beneath them they mined the coal from the slate,
Dug salt from the earth, put gas in the grate,
And forgot their old troubles and ills.

Now their corn cribs are full and brim over;
Their big auto horns make din in the ears;
Their hay mows bulge out with alfalfa and clover,
And the silo takes care of the corn under cover—
They've made Kansas famous in fifty short years.



From Wilderness to Wealth in a Short Half Century

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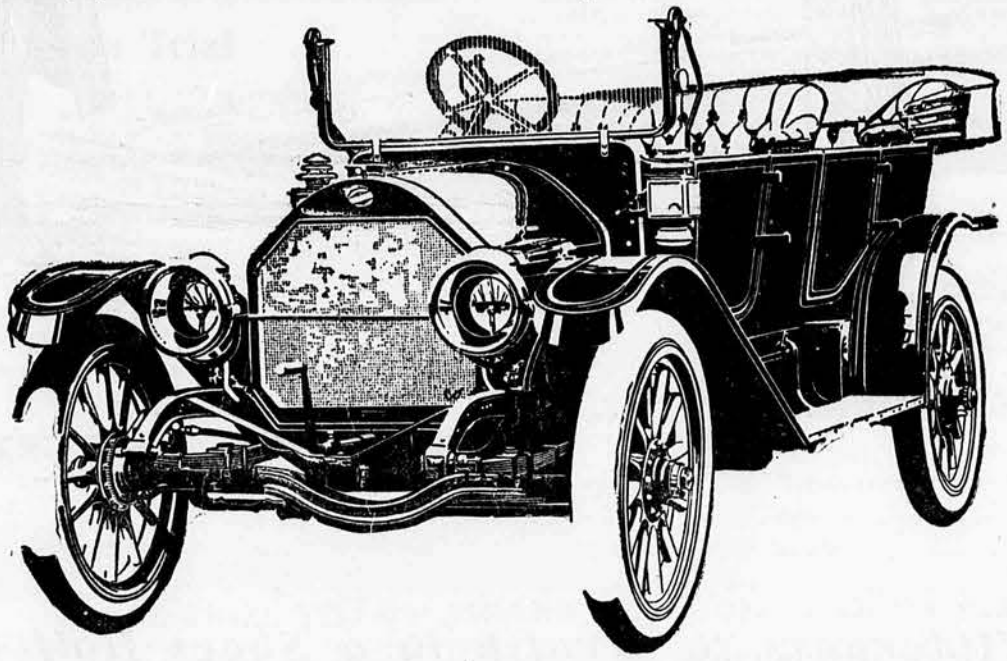

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LIVE STOCK AND LEGISLATURE.

If the plans which are now laid are fully carried out the Live Stock Show at the Panama Exposition will be the largest and best that has ever been held in the world. The Exposition officials have appropriated $175,000 to be distributed in prizes in the open competition. In addition to this the several breed associations will give special prizes for merit in their breeds, and each state will be asked to appropriate, through its legislature, a sum of money to be paid in premiums on the live stock exhibited from that state.

At the Louisiana Purchase Exposition Kansas was represented by a very excellent showing from Kansas herds and flocks. This was made possible by the special appropriation of $10,000 made by our legislature and distributed to Kansas breeders pro rata. This was the first time Kansas had been properly represented in any of the great Expositions. The worlds fair at Chicago had a live stock department, but it was not so well cared for or deemed so important as others have been since that time, and because that event occurred so early in the pure bred history of Kansas, this state was not well represented.

That the appropriation of $10,000 for Kansas live stock at St. Louis was money well expended has been proved by the results obtained. Prior to that time Kansas was not recognized as a pure bred state. The money provided by the legislature all went into the hands of the breeders of this state, and proved such an incentive that Kansas has developed more rapidly in live stock history since that time than she had done or could have done in all her previous history.

Kansas now takes rank as the fourth state in number of Percheron horses and stands very high in the production of pure bred hogs and cattle. How much influence was really exerted by the action of the legislature in making this special appropriation has never been measured, but that it was large and potent admits of no doubt. Kansas now has large and numerous herds of all of the important breeds of pure bred live stock that are best suited to this territory and the influence of such stock on the general stock of the country has been very marked.

That Kansas legislators should make provision for an adequate live stock exhibit at the Panama-Pacific Exposition and that this should be done at the forthcoming meeting of the legisture goes without saying. It is to be hoped that the administration which goes into power with the New Year will take a broad and liberal view of this matter and provide funds in such an amount as will bring out a strong showing of the live stock of Kansas. Kansas has the stock with which to compete with that of any other state, and nothing is so powerful an incentive to the spread of the gospel of good blood as the prizes won in competition at a great Exposition. These bring reputation to both the state and the breeder and such money invested in this way brings very large returns.

Owing to the long shipment necessary in order to exhibit stock at San Francisco, it will be practically impossible for the average breeder to undertake such a task without aid from the state offered in the way of special premiums for Kansas bred animals. The Kansas Improved Stock Breeders' Association will ask the legislature for the appropriation of a generous sum for this purpose.

* * *

As the threshing season draws to a close, some remarkable grain yields are reported from the western counties of Kansas, particularly those of the southwest. These yields are principally with reference to Kafir and cane seed, which sets forth the adaptability of those grains to the dry sections and supporting the contention of those who insist that our best known drouth-resisting crops for grain and roughage, with sufficient live stock to consume these, furnish the most dependable means for permanent farm operations.

BURN THE BUGS.

Fire and extreme cold weather are the worst enemies of the chinch bug. The open fall and winter, so far, have been extremely favorable for this pest, and it is certain that should the remainder of the winter be open, great damage from bugs will result next spring and summer.

In many counties the farmers of one or two townships organized during the fall and have done a systematic and good job of burning out the hedge and fence rows, pastures, meadows, ravines and bunch grass wherever found. The burned-over areas are unquestionably freed from millions upon millions of bugs and subsequent cold weather will complete the job. The good accomplished will be apparent during the growing season next year. But the burned-over areas are small indeed compared with the area which should have been burned over. It is known that a good job of burning will destroy 98 per cent of the bugs.

It is not too late to organize a chinch bug burning crusade in your neighborhood. This should be done at once. Burn while the conditions are favorable.

Governor Stubbs has been asked to issue a proclamation setting aside one week this month as a time in which to make war on the bugs. We hope and expect the governor will issue the proclamation. But a proclamation should not be necessary. Unless farmers are disposed to destroy the bugs, a proclamation will not cause them to do so. Governor Cruce designated last week as bug-killing week for Oklahoma. The proclamation had the effect of popularizing the movement and as a result thousands of acres were burned over.

It won't do to wait until spring. Catch the bugs in their homes. You cannot get them next April. Burn the chinch bugs now. Get busy. Organize. You cannot blame your wheat loss to any political party next July. It's your own fault if you lose.

* * *

The state-wide agitation for making school houses social centers of the community life munity life, is rapidly taking hold. That this is so was strikingly set forth in KANSAS FARMER issue of January 4 in the article by State Superintendent Ross, which was illustrated by modern school buildings constructed with the idea of usefulness aside from school houses. The report is to the effect that the Garden City high school is to be used for farmers' institute meetings, social, educational and business meetings of all kinds both for town and country people. The new $20,000 county high school built at Jetmore, Ness County, will be used for all sorts of public gatherings except for church services. The Pleasant Hill district school, Ottawa County, installed during vacation basket ball sets, swings, marble grounds, merry-go-rounds, see-saws, and other means of amusement to make the playground interesting and attractive. The principal idea, namely, that of interesting people in their schools, will result in expanding ideas of usefulness therefor.

* * *

A Chicago live stock paper, which should display better sense, sets forth in big head lines the fact that a farm employe failing to secure liquor because of the strict enforcement of the prohibitory law, tapped his employer's silo and become gloriously drunk on the juice from the silage. The story as set forth is quite interesting and is a joke to people who are posted. We would dislike to have the impression prevail that the silo is an improvised manufacturer of intoxicants and so delay its introduction on many farm the owners of which are opposed to any connection whatsoever with the traffic in alcohol.

* * *

Last week and this have been the two big weeks of the year for the discussion of topics close to the welfare of the farmer and stockman. Last week was the week of institutes at Manhattan and this the week of agricultural and live stock meetings at Topeka.

HOG DAY JANUARY 11.

To make hog-raising more general on Kansas farms the Kansas Agricultural College has set aside Saturday, January 11, as "Hog Day," and has asked every farmers' institute in the state to have a hog program that day. Edward C. Johnson, superintendent of farmers' institutes at the college, has suggested these topics for discussion "Hog Day":

Is the breed of great importance?

What points should be considered in selecting a good boar?

What points should be considered in selecting a good brood sow?

What is the best time to breed?

How should the brood sow be fed and cared for before and after farrowing?

Should there be one or two litters per year?

How should pigs be fed at weaning time and during early growth?

What kind of housing is most serviceable and sanitary?

What should be done by the individual farmer and by the community to prevent hog diseases?

* * *

Miss Helen Gould is credited with being the original Kafir booster. It seems that many years ago she was in Wichita and was presented with some heads of Kafir. These she took to New York and placed the same in her home as a souvenir of her trip. A reporter for a New York paper heard of the Kafir in Miss Gould's home and told the story in his paper, and it is claimed that this story called more attention to the new grain than anything else that has ever been done. This is a pretty little story and Kansas people will be glad to know of Miss Gould's interest in this wonderful grain. However, the real boosting of Kafir has been done by those who could see its adaptability to Kansas conditions and who have been at short range preaching its gospel. Miss Gould is to be credited with possessing good sense and good judgment in spite of the handicap of having been born rich.

* * *

The best example of farmers' co-operative demonstration work with the federal Department of Agriculture is the result of accomplishment in the southern states. The farmers of the cotton-growing states were years ago confronted with financial disaster through the ravages of the cotton boll weevil. Necessity forced the southern farmer to seek help through the federal Agricultural Department. That department proved itself equal to the occasion, and now more than 100,000 adult farmers have enrolled in demonstration work in those states. The growing of cotton is today on a basis fully as satisfactory, if not more so, than for a quarter of a century past. The important thing, however, is that of the growth of diversified agriculture upon southern farmers. Heretofore they have been cotton farmers only. Now corn, cow peas, velvet beans, alfalfa, clovers, and grasses are being grown, and these naturally result in greater interest in hog raising, dairying, and other branches of animal industry. Silos are being built, pastures and dairy herds established. In other words, the farm adviser under the direction of the federal Department of Agriculture has practically rejuvenated the entire southland and the work has reached a point at which the agriculture of the south is on a more permanent and substantial basis than it has ever been. This is the result of the demonstration work carried on through trained agriculturists. Our contention is that if such results can be obtained in a bankrupt land, why cannot results justifying the expenditure be obtained in Kansas and other states not yet forced to the extremities of the southern states? It is our judgment that expert advice carried to our door is needed and will accomplish great results.

* * *

This has been a fine fall for plowing. The plowed land will take up all of the moisture.

THAT ELGIN QUOTATION.

The news press the past few weeks has contained notice of the discontinuance of the quotation committee by the Elgin Butter Board. This, because the federal department of justice sought to restrain that board from maintaining a committee which, it was contended, acted in restraint of the Sherman anti-trust law. The proceedings against the Elgin butter people was identical with that against a similar organization in New York a year and eighteen months ago.

In each case the quotation committee has been discontinued and the markets now give what purports to be the record of the actual sales of butter made by the dealers who are members of the restrained institutions. The New York market since the abolition of the quotation committee has been of little value to producers. The figures which emanate from Elgin henceforth will likewise be of small value for the reason that there is no man or body of men who can or will take into consideration the character or quality of butter sold at the price which is given as the value of butter either in New York or in Elgin. The butter offered and sold today at 30 cents may be inferior butter, and this price may be all it is worth, and at which price the maker of a better quality of butter could not afford to sell. On the other hand, only butter of a good quality may today be sold at 35 cents, and that figure being given out as the value of butter at Elgin would mean little or nothing to the man who had butter to sell and which would not score within four or five points as high as the butter sold at the figure given.

On the other hand, if there is a disposition on the part of butter dealers to inflate or depress the market, sales can and will be made at a higher or lesser figure than the butter is actually worth. This method, we are told, was common on the Elgin Butter Board before the days of the quotation committee, and such committee was appointed to act as a balance wheel for such board, and taking into consideration the prices bid, the quality of butter offered, the amount of butter offered, etc., assisted that quotation committee in arriving at what seemed to be a fair valuation and a fair market quotation.

The elimination of the quotation committee in New York seems to have had no effect so far as actual trading in butter is concerned. The only effect it has had is to befog the atmosphere and place the creameries of the country in doubt as to the value of their butter, and this element of uncertainty will naturally reflect upon the procurement of the cream and so have its effect upon the farmer. The same situation exactly will prevail with reference to the Elgin market henceforth.

* * *

Western Kansas readers of KANSAS FARMER are interested in knowing what appropriations the Kansas Agricultural College officials are asking for western Kansas experiment stations. The interest is shown by several letters received asking for the figures. The agricultural college, according to a budget printed in the news press, will ask for $15,000 for the Garden City station; $9,000 for the Dodge City station; $7,600 for Tribune; and $6,000 for Ogallah. These amounts, of course, being the total asked for the use of each station for the two years. The same letters indicate that western farmers and public spirited citizens are urging their representatives and senators to support these appropriations.

* * *

The best Kafir yields reported for this season are those by Frank Lalodge, Mount Hope, Sedgwick County, whose average was 63 bushels; the 41-acre yield of Press Kid, Cedar Point, Chase County, yielded 60 bushels per acre; and Frank Stewart's field near Saffordville, Chase County, yielded 90 bushels per acre.

* * *

Next week the legislature will be in full swing.

FARMERS' ANNUAL ROUND-UP

Institute Week 1913 at Kansas Agricultural College The Best Yet

IT will be recalled that one of the movements growing out of the meeting of the Kansas Agricultural and Industrial Congress at Hutchinson, in November of last year, was a proposed state-wide federation looking to the marketing of the products of the Kansas farmer. The temporary organization effected at Hutchinson arranged for a meeting of delegates at Manhattan, December 30, with a view to forming a permanent organization. A large number of delegates were present at the

W. M. JARDINE, DEAN OF AGRICULTURE, KANSAS AGRICULTURAL COLLEGE, SUCCEEDING E. H. WEBSTER.

Manhattan meeting and after an exhaustive discussion of the situation on Wednesday afternoon, concluded that for the present no attempt at federation would be made. A committee of delegates was appointed to confer with the Agricultural College authorities relative to putting into operation some of the plans proposed at the Hutchinson meeting and as outlined by the temporary organization. As the matter stands at the present time the entire proposition has been turned over to the Agricultural College. The college has for some years been engaged in promoting co-operation among farmers along various lines, and while no definite plans have been formed, it seemed to be the general opinion that the college should and will enlarge its work of this nature to meet the requirements of the proposed federation. P. E. Wentz, Burlington, Kan., and C. W. Peckham, Haven, Kan., were the officers of the temporary organization.

* * *

Delegates to the farmers' institute in reporting agricultural conditions throughout the state manifested much uneasiness on account of the infestation of fall-sown wheat by the Hessian fly. Delegates asserted that the mild, dry fall weather has been particularly favorable for the fly and that unless wet or extreme cold weather prevails at some time during the winter the destruction caused by this pest will be unusually heavy. Inquiry indicated that farmers generally throughout the state did not observe the fly free dates for sowing wheat. From four years of experimenting and investigation in the various sections of Kansas it has been found that wheat sown in eastern Kansas at the north line of the state on or immediately after October 1 is practically free from flies the next year and that wheat sown at the south line on or immediately after October 14 likewise is practically free from Hessian flies. The fly-free date of any locality between the north and south lines would be one day later than October 1 for every 14 miles south of the north line. These fly-free dates were given wide publicity by the agricultural college and the agricultural press. We are cognizant of the fact that many farmers are slow to take hold of the various methods of farm practice suggested after investigation and experimentation. It appears to us, however, as logical to conclude that the farmers of Kansas can no longer afford to turn a deaf ear to those practices which emanate from the experiment stations. If we are to continue to totally disregard those things which are recommended by our employed investigators and whom we support by taxation, we might just as well relieve ourselves of the burden. Of course the farmers of Kansas would not for one minute think of discontinuing the agricultural college or the experiment station. Neither would they consider curtailing the expansion or development of either institution. Holding this feeling, it does seem to us, however, that generally speaking greater regard should be manifested for the recommendations it has to make and which recommendations are in most instances practicable and workable and valuable to an increasing and more prosperous agriculture.

* * *

It occurs to us that last week's state meeting at Manhattan was the best institute held since the inauguration of the annual roundup plan. Boys and girls, fathers and mothers were there for the entire five days' session, and they came from all parts of the state. The registration ran close to one thousand. This means that one thousand persons were regular attendants at the meeting of those departments for which they enrolled. There were easily 300 to 400 who failed to enroll and who exercised their own pleasure in selecting the lectures and the demonstrations they attended. The majority of those in attendance were young farmers who are confronted with the solution of those various problems which confront them in the conduct of their farms. It is doubtful if it would be possible to find in any school or in any other body more interest than was manifested by the younger farmers in their effort to obtain information which they might use with profit in their work. From the standpoint of attendance, from the standpoint of interest and from the standpoint of those whose age and station in life make it essential that they be informed on the best practical and scientific methods of the day, it is doubtful if another such body of men have ever before on any similar occasion been brought together.

* * *

The interest of the boys in attendance centered principally in two subjects—that of corn judging and live stock breeding and feeding. Professor E. G. Shaffer was the lecturer in corn judging. His audience was not composed mostly of boys as in years past, but was made up of farmers ranging in age from 24 to 40 years. The boys, however, were there. The class room was crowded. Each attendant had his note book and score book. They were learning, point by point, what constitutes good corn and what is not so good, that they may grade the seed which will next spring be planted. The corn club idea evolved by the Extension Division a few years ago, and which it was designed should appeal principally to the boys, has proven its value not only in interesting the boys in corn growing, but in interesting the older men and parents until the indications point to the corn club idea being patronized by the farm owners of today instead of the boys who will be the farmers of a few years in the future.

* * *

The lectures on stock feeding were given by Professor Wright, whose class room was at each session crowded to its capacity. Professor Fitch gave the points upon which to judge a dairy animal, Professor Lewis pointed out the qualities of the hog most sought by the breeder and the economical stock producer, while Professor Cochel demonstrated the essential points in breeding, selecting and feeding the beef animal. Professor Dykstra had the horse for his subject and demonstrated the conformation of the most valuable horse for marketing and for farm power. The improvement of grains by selection and grading was the thought around which centered discussions in the agronomy section. In this line W. M. Jardine, the newly elected dean of agriculture and director of the experiment station, took an active part. While these men were instructing along the lines mentioned, Professor Dickens was demonstrating to other classes the sorting of apples for marketing, the care of orchards, etc., and Professor Ahearn was showing the stream of visitors passing through the horticultural buildings the splendid apples produced the past season by the Kansas growers.

* * *

The above enumeration by no means covers the numerous division meetings, but will give the KANSAS FARMER reader who has not interested himself in this grand annual roundup, an idea of some of the good things he is each year missing. Neither do we attempt to mention the names of all lecturers. Space forbids. Each department head, each department instructor, each extension department worker was drafted and worked overtime to fulfill the part given him in making the institute instructive and a success. Each played his or her part well. KANSAS FARMER endorses the idea of using home talent on these occasions. This talent is as good as could be imported and the home folks have the advantage of knowing Kansas conditions and Kansas people.

* * *

Along the mechanical lines the gasoline engine attracted more attention than anything else. Dean McCormick of the engineering division is an adept in explaining in simple terms the construction of gas engines. The 200 men and boys who attended his classes during the four days' institute left with a very good idea of the fundamental principles of construction and operation. The instruction given by Dean McCormick prepared his hearers for the demonstrations of motor cars, tractors and stationary engines that followed. Expert demonstration of all sorts of motor propelled machinery was given by representatives of J. I. Case Co., Dempster Mill Manufacturing Co., Seager Engine Works, Fairbanks Morse Co., Wilcox Trux Co., International Harvester Co., Hart-Parr Co., Rumely Co., Avery Co., Rambler Automobile Co., Goodrich Tire Co. The time spent in study and actual handling of engines on the occasion of this institute is sufficient to teach a farmer or his son how to operate the gas engine satisfactorily and economically. If you have any doubt of the interest existing in the gas tractor, truck and automobile, attend the roundup next year and take note of the engineering division classes.

* * *

While the attendance upon the institute was largely men and boys, as stated, the girls and their mothers were there in gratifying numbers. The number of these, in fact, was larger than the observer would think. This, because the women and the girls are in fact the most attentive students, giving more strict attention to the work in which they are interested and not tramping around over the campus and through the barns as do the boys and men. So they attract less of the attention of the casual observer. Regular sessions were held for the women and girls in the Domestic Science building, where regular courses of instruction in the preparation of foods and other attendant subjects were given. Miss Florence Snell lectured on the care and cleaning of clothes, and Miss Ruth Peterson on adopting and designing patterns. Suffice it to say that the annual institute furnishes as much instruction of value to the farm girl and her mother and which is as essential to the permanency and prosperity of farm life as is the instruction given to the men and boys.

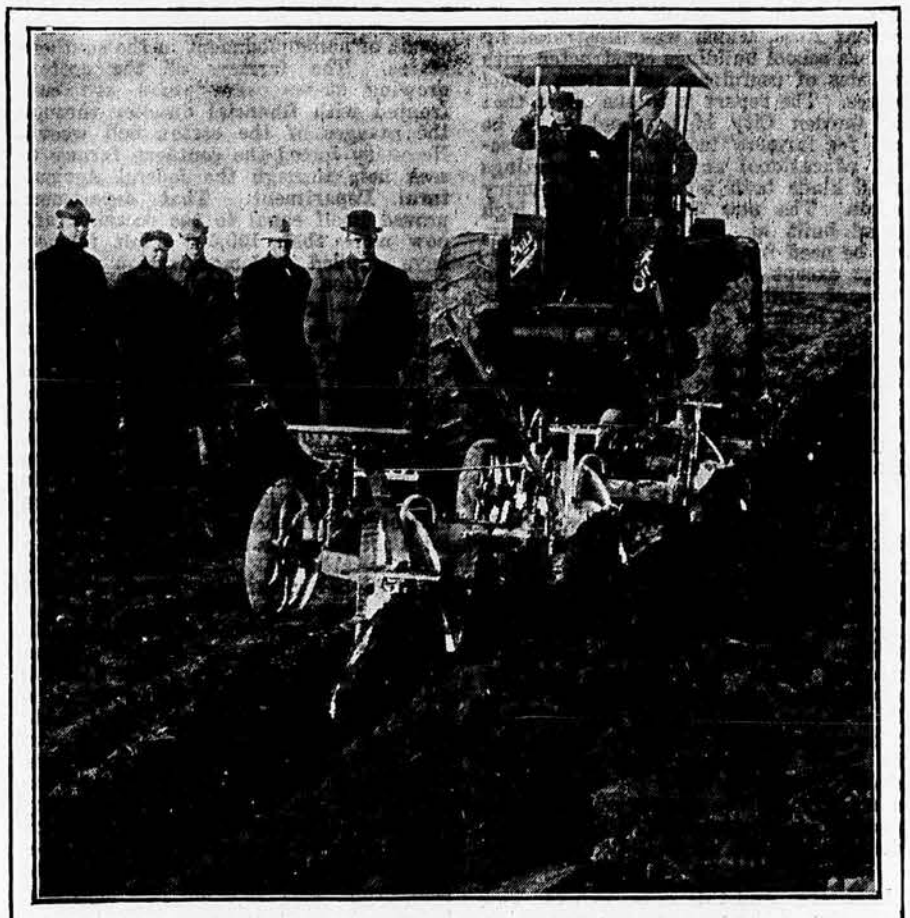
* * *

The forenoon of each day of the institute was devoted to instruction in the various divisions. The afternoons and evenings were devoted to lectures and general discussions in the auditorium and at which meetings the entire enrollment is present. These meetings are of such general interest in their character as to prove of value to every attendant. One entire evening was given over to the women and girls. This was known as "women's night." An interesting talk on millinery, by Mrs. Bessie Birdsall, professor of domestic art, and an address, "The Blue Ribbon Home," by Miss Neale Knowles, professor of home economics in the Iowa State College, were of chief importance at this meeting. Mrs. Mary Simmons, Miss Frances L. Brown and Mrs. Van Zile, the stand-bys of several past institutes, were each active and instructive lecturers on subjects close to every housekeeper's heart.

* * *

The address in the auditorium one evening was given by P. H. Ross, the farm adviser of Leavenworth County, who, by the way, is the first farm adviser in Kansas. Mr. Ross told an interesting story. He related the experience he has had among the farmers of Leavenworth County during the past six months of his advisership. He stated that the principal problems his farmers bring to him are those concerning crops and the feeding of live stock. Among other topics on which his help is sought is that of crop rotation and the prevention of soil erosion, his county being extremely rolling and the farms washing badly and so are in need of a fertility-building policy. Ross finds that he learns much himself from the farmers of Leavenworth County as to successful and best practices, and these he carries to other farmers in the county who accept the practice as good. He is developing a co-operative market for all kinds of farm products. He has compiled a list of farmers who have pedigreed stock or good seed corn, and his office serves as a bureau of information which brings buyer and seller together. He has organized a cow-testing association and has under way other plans which have met the endorsement of farmers generally. A number of Leavenworth County farmers attended the

(Continued on page six)

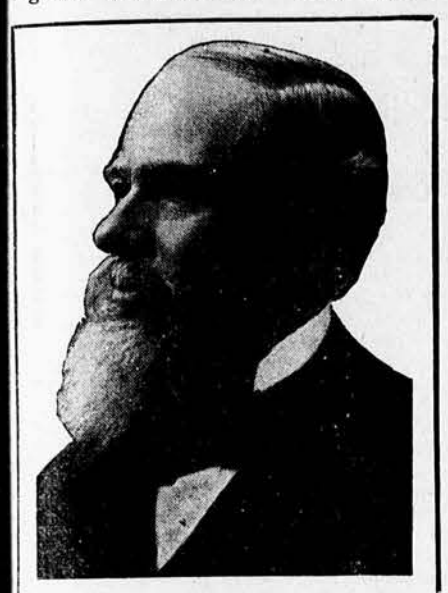


PLOWING 15 TO 18 INCHES DEEP AT EMPORIA.—ENGINE DRAWING THREE DEEP-TILLING PLOWS THROUGH GUMBO.

FUTURE OF DRAFT HORSE

By COL. F. M. WOODS, Lincoln, Neb.

YOU ask me what I think about the future of draft horses, and whether it will be profitable to produce them and what the demand will probably be. My answer is that just as long as power is needed for anything on the farm and in the streets, the major part of that power will be furnished by the horse. But, says one, have you forgotten about the trucks, gang plows and other gasoline inventions that are coming into use so rapidly? Why, sir, had



COL. F. M. WOODS, LINCOLN, NEB., WHO HAS SPENT FORTY YEARS SELLING FINE STOCK AT AUCTION

it not been for those inventions that came just in the nick of time to the assistance of the horse, the prices that good draft horses would now command would be prohibitive. A good farm team, such as the farmer ought to have to do effective work, costs from $450 to $800, according to the way they are bred and developed. That's a high price for the average farmer to have to pay for power. Express horses of the high type used in cities by the large wholesale houses cost from $700 to $1,000, and good ones even now are hard to get.

It takes time and expense to produce a good five-year-old draft horse. "They can't be madewhile you wait." A man on the farm with 8 to 15 mares can by good management and by the use of none but selected mares produce possibly 90 per cent of colts. If he has 100 mares, if he saves 65 per cent, he is above the average of men using that number. H. M. McMillen says 50 per cent of the colts where a man is using 100 mares is all the average breeder will produce. It seems strange, but a man on the ranch with from 2,000 to 3,000 mares will get a much larger per cent of colts than the most careful man on the farm. On the range the mare roams at will and nature is the director. A few days ago I made a sale for a man in Pennsylvania who has been in the range horse business for a good many years. He had 75,000 acres in northwest South Dakota. Had at one time as high as 7,000 horses. Often bred 3,000 mares, and raised as high as 2,700 colts per year, but he says the homesteaders broke up his business. He used none but good registered Percheron stallions and had worked up to producing a high class horse.

He was only one of many, but today that supply is almost entirely cut off. No more range competition to mention. The supply of horses must come from the farms, and it will be impossible to ever overdo the business. Farm emigrants from this country to Canada have taken our horses over there by the hundred thousand, and yet six months ago I made a horse sale at Regina, Sask., and made one of the highest draft horse averages made this year in Canada or the United States. I found a good farm team weighing 1,500, legal tender at $800 per span, and yet they use more gasoline power on the farms in Canada than any part of the United States that I know of. If trucks had not come into use, we would have had to go back to oxen for farm power.

I hear that one express company is using 500 trucks, not because they are cheaper (for they are not), but horses could not be had of the class they wanted, no matter what prices they were willing to pay. Truck power is much more expensive than horse power. A good truck that takes the place of teams weighing 3,600 to 3,800 costs from $4,000 to $5,000, about the same as four or five good teams. The life of the truck is only a few years, with good care, and the average man employed to run them puts them on the bum in a short time. The fact is they are simply a luxury and are used by certain classes of business men simply because their competitors use them. Grainger Brothers, the largest wholesale house in Lincoln, tell me their trucks cost them about twice as much as horses to do the same amount of work, but, said they, our competitors have them and so we must. There are certain orders that must be delivered quickly. "Why," said Mr. Joe Grainger, "what do you suppose it costs per month to operate that truck?"—pointing to a big $4,500 machine. "Two hundred and fifty dollars per month won't any more than pay for oil, repairs, driver and other expenses. It is something all the time. There is no common business able to support them. Then ours are new, and I don't know what they will cost after they have been run two or three years." They only keep two trucks, and from 10 to 15 teams.

You can get all of this kind of evidence as to comparative cost of horses versus trucks you want by a little inquiry. I am glad trucks came just as they did. Farmers will now breed a higher class of horses; that is, more high class horses. It takes more than twice the power to properly farm land that it did 10 to 20 years ago. Farmers have discovered—those who have been farming their lands with one or two teams—that twice the work put on the same crop nearly and often quite double the yield. On the farm nothing pays better than the thorough cultivation of the soil. Thorough plowing, disking and dragging until the soil is like an ash heap, then rolling until the ground is well packed, that's all there is to dry farming, and that system, if you keep your land rich, almost makes farming a sure business. That system solves 50 per cent of the drouth problem in the west. I have noticed that good land—fat land, as the Dutchman calls it—well tilled, seldom disappoints its owner.

We are farming better than we used to, but such men as Henry Wallace says that two-thirds of the farms in the corn belt could add from one-third to one-half to their yields by intense cultivation. That means more power, and that means more horses, but we have got to raise them first. The country is practically drained of them now. For 50 years to come, two-thirds of all the power will be horse-power.

I saw the first self-rakes and first self-binders when they came to the farms. Men said they were a fine thing, but a death blow to labor. Since then thousands of machines have been invented and put to work, each one of which does the work of from 5 to 50 men, and yet it is harder to get help and good men command twice to three times the pay they did before their introduction. At the time I speak of, Uncle Sam's family consisted of about 15,000,000 mouths to feed. His family has now increased to 100,000,000 and is growing more rapidly than ever. Our export trade then was practically nothing. This year it is four billions, the largest in history. At that time our manufactures amounted to but a trifle, but last year we manufactured more dollars worth than England, France and Germany combined, with one hundred millions to spare. All these artisans must be fed. It takes power to till the land and raise the food fast enough to keep up the supply, and all the horses men can raise and all the trucks the rich can afford to use will be taxed to the limit to meet the demands made by the men who till the soil.

Scientific tests at experiment stations tell us what different animals are worth annually to restore fertility to the soil. This is where the urine as well as other droppings are well utilized. The horse heads the list with $24 per annum, the cow next with $12, and then down. So 25 horses, if you were saving the fertilizer as they do in Belgium, are worth $625 per year to restore feed value to your soil. Mr. Farmer, are you saving or wasting this by-product? You can't feed your stock unless you feed your land, and the cheapest way to feed land is through stock.

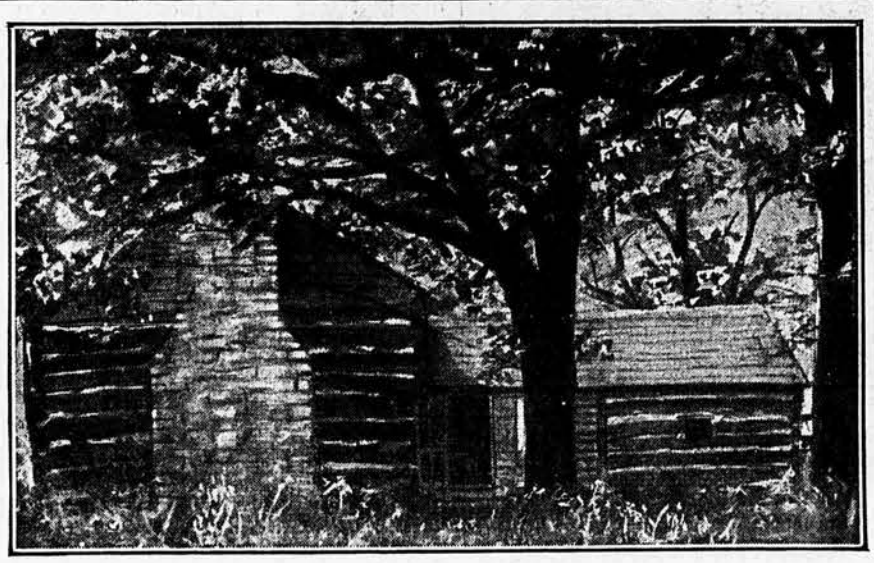
In closing, let me say, pin your faith to good horses and to good stock of all kinds. Try to do no more than you can do well. Try to keep no more stock than you can keep well. Remembering that a pair of mares that are bred well enough and made well enough can do as much work as two pairs of common horses, and besides raise a valuable pair of colts, if bred to good stallions. They cost no more to keep than the poor things so many are using now. And remember, too, that a good stallion will breed all your own mares and earn enough to pay for two or three hired men, and that without moving away from your barn. I wish I could live as long as I think horses can be produced at a profit. I would be as old as the old nigger's aunt. He said he had an aunt down in Memphis that was 117 years old. They asked him what she was doing down there. "Oh," he said, "she ain't doin' nothin'—just livin' down there with her grandmother."

PIONEERING IN 1854

THE log house shown in the picture was built in the fall of 1854 by the late G. W. Berry, Sr., one of the early settlers of Kansas. This house which stands on the "Berry farm," near the banks of the historic Wakarusa River, on the old Sac and Fox state road, twelve miles south of Topeka, is one of the oldest houses remaining in Shawnee County. The builder of this early Kansas home belonged to a class of pioneers nearly all of whom have passed away. He staked his claim to the land on which the house stands, and laid the foundation on the first day of September, 1854, or about three months before Topeka was settled. Later in the fall he moved his family from Westport, Mo., and lived in this house until 1868, when he removed to the farm four miles north of the site of Berryton, where he died in March, 1899. The old log cabin with its big stone chimney, clapboard roof and quaint old-fashioned windows, was erected in a grove of saplings which have matured during the more than half a century into stately oaks. A feature of the interior is the great fire place adding cheer to the living room and without which the cabin of the settler would be incomplete.

Many points of interest are associated with the place known for nearly sixty years as the "Berry farm," or the "Washington Berry farm," as called by old settlers. The Wakarusa, which runs through the place, is one of the finest fishing streams in the country, and has always been a favorite resort for fishing, hunting and camping parties. The fine body of timber that originally stood on the farm was a famous stopping place for Indians who made this a crossing point on their visits between reservations occupied by the tribes living in opposite directions, and whose roving habits brought them this way for more than fifteen years after the white settlement. Perhaps the best known landmark in this part of the country is the splendid three-arch stone bridge that spans the Wakarusa River on this farm, on the state road leading from Topeka to Quenemo, one of the first bridges of this permanent type of architecture ever erected in the state. The state road which was laid out through the "Berry farm" was established by an act of the legislature in 1865. The petition asking for this road was presented by G. W. Berry, Sr., and he, too, was largely influential in securing the public appropriations for building the Wakarusa arch bridge which has stood so long and with the appearance of remaining to future generations as a monument to the sturdy citizenship of the fathers of the township.

Vast changes have appeared in the territory that was made into a state seven years later than the raising of the log house in the picture. No sign of human habitation other than the smoke from this cabin chimney or perhaps an Indian wigwam could be seen for months after the arrival of the family from Westport. But the founder of the new home came rich in frontier experience and knew how to prepare for emergencies. Prior to selecting the homestead, he had known the privations of the frontiersman. He first entered Kansas Territory in 1836 and soon after became a freighter to the Indian agencies and government stations. For years he had admired the beautiful prairies, witnessed the marvelous evidences of fertility, studied the changeableness of the seasons, and noted the varied natural resources of Kansas.



ONE OF SHAWNEE COUNTY'S OLDEST HOMES—HOME OF THE LATE G. W. BERRY, SR.

Born and reared in the bluegrass state of Kentucky, famed for its fine herds, he naturally chose stock raising, and from his first beginning in Kansas has put his faith in stock farming. Throughout all the years of good and bad seasons he combined farming and stock raising and was known as a singularly successful farmer. For the memorable dry year of 1860 he had left over from previous good crops sufficient corn, and notwithstanding the terrible drouth, succeeded in saving enough hay and fodder to tide over the worst period in the history of the state. In 1874, when the grasshoppers came, he had cribs of corn on hand saved from the bountiful crops of preceding years. Some of that corn was loaned to the less fortunate, with the privilege of repaying, bushel for bushel, from the next crop raised, a manifestation of the spirit of liberality known perhaps only among the early settlers of the West.

G. W. Berry Sr., who necessarily enters largely into this sketch, was known as a very thorough and up-to-date farmer. He was one of the first to introduce the tame grasses into Kansas and made a success of growing clover and timothy from his first attempt on a Kansas farm. He was widely known as a breeder of horses, cattle and hogs. He paid especial attention to breeding fine horses, and in this connection took an active part in the early county and state fairs. He was one of the first to introduce Berkshire hogs into the state. The stock of Berkshires originated on the Berry farms have gone out to every part of the country where hogs are raised, and have added fame to Kansas-bred herds. He took an active part in the organization of public schools and assisted in building a number of country churches. He was one of the early subscribers to KANSAS FARMER, in fact, his family can not remember when the paper first entered his house.

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Farmers' Annual Round-up

Continued From Page Four

institute. They stand up for Ross and for the county adviser plan. It would be necessary only for the skeptical to discuss the farm adviser subject with a few of Leavenworth County's farmers who have been in close touch with the accomplishments of their adviser.

* * *

President Waters spoke on the keeping up of the country stock—not live stock, but human stock. He said: "The call of the city always has been answered by the brightest and best of the young men and women on the farms. The weaker are left behind, as a general rule. Is there a stockman or farmer in the country who would expect to keep up the standards of his herds, flocks or crops if he persistently sold off the best he produced and kept as parents or seed the poorest or the most unfit?

"The country stock of the western states has been maintained by the inflow of people of good blood from the eastern states and from the pure strains of northern Europe, notwithstanding the constant and tremendous drain the city has made on the country. The city has been getting the best and will continue to get the best blood from the country unless conditions change, and there is no more good stock coming in now to take its place. The result will be the deterioration of the country stock because the best of it has gone to the city.

"People will stay on the farms if the opportunities are as good in agriculture as in other lines. If they are not, the intelligent and ambitious will leave the farm.

"Reduce the income of the farm family in America to that of Continental Europe and a peasant class in this country will be the inevitable result. In other words, the American farm must yield profit enough so that the people of superior blood will be content to remain on the land. If farming is allowed to become unprofitable as compared with other occupations, it will be given over to a less efficient class than that which now tills our soil.

"The drain of the city must be checked by making farming profitable and by supplying the best conditions for country life. One of the essential developments of the future must be business methods of buying and selling. Farmers must organize and buy and sell economically and wisely through men trained in the art. The farmer has enough to do to produce and the great waste of the present time is in marketing and in buying. Co-operation is the first great remedy."

* * *

The feature of the corn contest was the winnings of the Werner family of Troy, Kansas. Frank C. Werner received first place in yellow corn in the men's division, and the sweepstakes of the show. In the same division Arthur Werner, a brother, was awarded fourth premium on yellow corn. Charles G. Werner, another brother, won first in the eastern division of the boys' contest and sweepstakes of the boys' show. Charles has won the sweepstakes in the boys' show for three consecutive years. He has recently become of age and in the future must compete in men's classes. Here is a list of the winners of the show:

Yellow Corn—First, Frank C. Werner, Troy; second, S. G. Trent, Hiawatha; third, John B. Rox, Atchison; fourth, Arthur W. Werner, Troy; fifth, Fred G. Lapted, Lawrence.

White Corn—First, H. H. Newman, Hanover; second, Herman Groniger, Bendena; third, E. Wilson, Lawrence; fourth, M. G. Hamm, Holton; fifth, John Brox, Atchison.

Other than yellow or white corn—First, E. Wilson, Lawrence; second, M. G. Hamm, Holton.

Western Kansas, corn—First, F. A. Schroeder, Lebanon; second, Fred Polka, Smith Center; third, Frank Hepler, Greensburg.

Sweepstakes of men's show—Frank C. Werner, Troy.

Boys' show, eastern Kansas—First, Charles H. Werner, Troy; second, Ed Luebeken, Hanover; third, Louis Eastman, Lawrence; fourth, Harry Paige, Effingham; fifth, Merrill Hamm, Holton.

Boys' show, western Kansas—First, Milton Schrepel, Ellinwood; second, Bert M. Talley, Hill City; third, Tom Foote, Blackwolf; fourth, Abe Rassmussen, Jetmore; fifth, Albert Tucker, Great Bend.

Sweepstakes of boys' show—Charles G. Werner, Troy.

Best single ear, boys' show—John Groninger, Bendena.

Hard Wheat—First, Arthur J. Mahon, Clyde; second, Lee McKissick, Mineola; third, F. A. Schroeder, Lebanon.

Soft Wheat—First, George Heifert, Tonganoxie.

Red Oats—First, E. E. Bowersox, Belleville; second, J. M. Gilman, Leavenworth; third, M. G. Hamm, Holton.

White Oats—First, J. M. Gilman, Leavenworth; second, F. A. Schroeder, Lebanon.

Barley—First, J. M. Gilman.

Kafir—First, Dan McIntosh, Herndon; second, Ed Knox, Manhattan.

Cow Peas—First, J. M. Gilman; second, R. H. Long, Burlington.

* * *

The Kansas Horse Breeders' Association had the largest attendance and the best program they have ever had. The program as published in KANSAS FARMER was carried out in full and the horse judging, conducted with the pure-bred horses belonging to the college, was very attractive. Men of note from outside the state were Wayne Dinsmore, secretary Percheron Society of America; J. O. Williams, in charge of government horse breeding experiments at Fort Collins, Colo.; Frank B. Graham, president Graham's Scientific Breeding School; Prof. C. G. Williams of Ohio Experiment Station, and Charles R. Kirk, the big importer of St. Joseph, Mo.

* * *

Resolutions endorsing President H. J. Waters of the Kansas Agricultural College for Secretary of Agriculture were passed, and another asking for an appropriation for special prize money on Kansas live stock at the Panama-Pacific Exposition, and another asking for representation at the International Dry Farming Congress.

Following the address of I. D. Graham of KANSAS FARMER, a special committee was appointed on a draft horse futurity for the Kansas State Fair.

Farmers and Bankers.

[EDITOR'S NOTE.—The two paragraphs following are a part of the article by F. P. Metzger, president of the German-American Bank, Topeka, which article on Loaning the School Fund appeared in January 4 issue of KANSAS FARMER.]

As a matter of fact, and, perhaps, as a matter of news and public information, I cannot now think of a bank that is not in a position, and prepared, to give to its farmer patrons all the advantages of a reasonable rate of interest, either directly, from the bank itself, or through its connections; for I do not believe that there are many banks who have no connections in the shape of loan companies, insurance companies or private individuals continually on the lookout for loans of this character. I have seen many farm loans made in this neighborhood and have made many for my connections at a five and one-half per cent. rate. That rate, of course, does not prevail at this moment but it has prevailed and I have made them, and I know of very few large commercial borrowers who have ever succeeded in getting less than a five per cent. rate on fifty thousand dollars and one hundred thousand dollars, whereas the farmer that I speak of got a five and one-half per cent. rate on a three thousand dollar loan.

As I have said above, farming is not a speculative industry and no matter how small a rate of interest a farmer can borrow for, money will not of itself develop greater agricultural possibilities or add one cent to his fortune. The thing that makes for success in farming is not debt but freedom from debt, accompanied by intelligent cultivation, seeding and sowing; a disposition to frugal habits; an increasing inquiry into the adaptation of seeds to the soil; a knowledge of stock and other domestic animals and their propogation as auxiliaries to that just reward which the farmer must get not only for his labor and his thought, but for that restless vigilance he must give to the multitudinous small things in his daily duties if he meets with success. He must look fully as much after the waste and leaks of unnecessary interest as the many other wastes and leaks of a farm if he does not want to be weighed down with burdens for which he can get no real or genuine compensation in the end. If he gives as much time and thought to the matter of keeping out of debt and of having no interest to pay as he gives to the matter of borrowing and of meeting the subsequent demand of his creditors, he will have a much happier life and will have more money and property to leave to his children when he passes to the crowning reward of all men, whether they be borrowers or loaners, if they fill whichever part they take, honorably.

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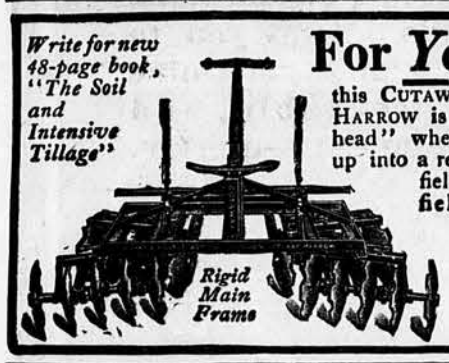

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THE FARM

Frank B. Smith of Rush Center, in about 1890 constructed a pit silo and there is little doubt but that this was the first silo constructed in the western one-third of Kansas. His silo held about 80 tons and it was necessary for him to plow and scrape out 155 cubic yards of earth. He made the walls true and smooth and plastered them with cement. When filled with corn and sorghum he stacked hay over the pit. He wrote regarding his experience, that silos are a necessity in western Kansas. He said that the best and cheapest storage of green forage for winter stock feeding is within the reach of all. The silo, he said, would save thousands of dollars' worth of corn fodder annually that otherwise would be destroyed, and that the possibilities of the silo for good could not be estimated. He said that lands in his section would produce annually per acre 200 days' rations for the cow. This without irrigation.

When we were first listening attentively to the development of things agriculturally, we heard of a silo built by J. H. Bearrup, Wreford, Geary County, and from which silo came enthusiastic reports. This was just such a silo as the Pennsylvania farmers built in Dickinson County. It is altogether likely that Mr. Bearrup received his idea from them, or at any rate from the same source as they. Mr. Bearrup had never failed to grow a crop of corn stalks and nubbins, which crop had little value to him. He had cattle and needed cattle feed and the silo indicated to him a way out. After the construction of the silo he became a considerable feeder of cattle and sheep and was enthusiastic indeed regarding his accomplishments. He urged the construction of a silo on every quarter section of land in western or central Kansas. In the public print he described the construction of his silo and stated what it had done for him. He began farming and feeding—to use his own words—"with no capital but grit, muscle and a little credit and my expectations have been more than realized."

Not long since we were talking with a pork packer. We had visited this gentleman's place of business. He pointed out pork which was of low value for the reason that it was soft. His explanation was that soft pork is one of the things with which the packer has to contend and is a quality of pork low in value and not sought by the consumer. It was his statement that soft pork comes from the improper feeding of hogs. He said that the exclusive use of corn for hogs, especially through the growing period, produces excessive fat and makes soft pork. The idea he would convey, therefore, is that in the production of such pork the animal body was not supplied with the protein which is necessary to balance the ration and make a good quality of pork. It was his statement that the best pork comes from the alfalfa sections of Kansas. Cow peas, soy beans and barley are substitutes for alfalfa in pork feeding. There is quality in pork as in other products, and the time will come when hogs which have been properly fed will command a higher price per hundred than those which have not been fed in such way as to produce the best pork.

An important question in the so-called dry farming sections is that of the size of farm required, it being understood that, generally speaking, under the methods of dry farming a crop is grown on the same land only every other year. Directors of experiment stations give their ideas below:

Thatcher, Washington: 320 acres.

Churchill, Oklahoma: The unit should not be smaller than 320 acres in any case, and where only upland is available a unit twice that size will be more economical. Professor Churchill explains that conditions are changing rapidly by native pastures being killed out, by the proximity of bottom land and by hilly upland varying widely in carrying capacity.

Keyser, Colorado: 320 acres or over, depending upon locality and local conditions.

Linfield, Montana: 320 acres. In some of the wetter districts where conditions are more favorable for cropping, 160 acres will work out all right. In certain places and for certain men, the section of land will prove the most desirable unit. This will be particularly true in the rougher parts of the state.

Carlyle, Idaho: At least 320 acres, but 480 to 620 is a better size.

Forbes, Arizona: Can not make definite statement; varies widely with district.

Howes, Nevada: I favor 640 acres. Probably 320 acres, allowing for a yearly cropping of 160 acres, is all we can handle for some time to come, but 640 acres appears to offer, in my opinion, much better hope for profit.

Knight, Wyoming: An open question. Not less than 160 acres under any circumstances; i. e., under most favorable sections. From 320 to 640 acres are the best sized units.

Humbert, New Mexico: This varies with the sections, but in general the farmer on the medium sized farm does the best.

Wilson, South Dakota: What he can care for properly. Most dry land farmers undertake to farm too large an area.

The common practice has resulted in farmers generally feeling that the growing of cattle and the fitting of cattle for market are two separate and independent operations. KANSAS FARMER has repeatedly stated that in its judgment the beef of the future would come from the small farm and that such beef would be from calves reared and fattened on the same farm. The present day farm practice is to grow calves and sell them to a feeder. The professional cattle feeder is as a rule not a farmer. At any rate he is not the man who grows his own cattle, but very often does grow a large part of the feed he will use. He buys his cattle at a price which he thinks is sufficiently low to enable him to fit them for market. Recent co-operative work done by the federal Bureau of Animal Industry in feeding of beef calves reared on the farm and and fed the feed grown on the same farm, leads that department to the conclusion that the farmer who has as many as 30 breeding cows on his farm should make it a rule to fatten their offspring. The conclusion also is reached that this farmer cannot afford to sell calves to the professional feeder. The feeder usually makes money on the process of fattening and the man who rears calves in sufficient number should keep this profit on his own farm. Furthermore, the farmer who has from 8 to 12 calves or steers ready for the feed lot will usually find it profitable to buy a sufficient number of feeders to complete a carload—these to be finished on his own farm. The Alabama Experiment Station has printed a bulletin on this same subject which goes into detail on the several essential points. It certainly seems that the farmer cannot help but lose money which he might make in the rearing and sale of feeders and in the production and the sale of crops—each a raw product but each of which could be converted into the finished product on his own farm. The professional feeder must bring his cattle together, paying freight and one or two commissions through their purchase. He must then bring together either all or a large part of his feed, and this comes to him in a more or less roundabout way and costs him more money than the farmer producing the feed obtained for it. With the farmer rearing his calves, producing his own feed and the saving of commissions and profits on both and converting the same into the finished product, it would seem that reasonably intelligent work of fattening could not result other than in increased farm products.

Feed for Hogs.

The Oklahoma station reports the following on the value of alfalfa forage for hogs with and without grain: Pigs averaging about 75 pounds in weight were turned on an alfalfa field in April. At the end of 100 days the average daily gain was 0.26 lbs. per head when on alfalfa alone; on alfalfa and all the dry corn-chops they would eat the gain was 1.28 lbs. per head per day; on alfalfa and a half-ration of corn-chops the gain was 0.70 of a pound.

May Need Change of Seed.

George Plumb, large farmer and stockman, Emporia, Kan., also member of Kansas Public Utilities Commission, writes that the last few years Kafir has not been doing as well as formerly in southern Kansas. He suggests that it may be possible a change of seed is needed.

What is the opinion of KANSAS FARMER readers? We will appreciate your statement.

Not One Kafir Failure.

L. R. S., Edmond, Okla., writes: When Kafir is planted and cultivated as it should be the crop will not fail. I have grown Kafir here in Oklahoma for 13 years without a single failure. In 1911 I grew 35 to 40 bushels per acre on the highest ground in this country. Most people plant it too thick for large heads. This is especially true of dry seasons. I stop up every second hole in the Kafir drill plate with lead. This drops right for good sized heads in this country. I have wondered why more farmers did not plant Kafir. It is the surest crop we can grow and a lot of farmers here are waking up to this fact.

Hogs on Alfalfa.

Last year the animal husbandry section of the Iowa experiment station pastured on the average of 16.5 hogs averaging ninety pounds, for a period of 180 days upon an acre. They received in conjunction with the alfalfa four pounds of grain per hundred pounds of live weight daily. The grain ration consisted of corn plus twentieth of meat meal (60 per cent protein). These hogs made a total gain of 3,1009 pounds with an outlay of practically 10,100 pounds of meat meal. Counting the production cost of the crop at $10.75 an acre, the corn at 50 cents a bushel and m at meal at $2.50 per hundred weight, the net profit with hogs selling at $6 was $97.09. The $6 hogs after all expenses were paid netted $1.03 for every bushel of corn fed upon the alfalfa pasture.

Trees for Osborne County.

W. A. G., Downs, Kan., asks as to the adaptability of the red cedar and Austrian pine for planting in his section. To his inquiry State Forester Scott says: "I can only repeat what I have said a number of times, that both are very hardy trees and very desirable for ornamental and windbreak planting. They will grow in almost any soil except strong alkaline soils, and while their rate of growth is not rapid, yet they will live very long, and are of great usefulness for windbreak purposes from the time they are eight or ten feet in height. We are recommending the Chinese arbor vitæ as a substitute for the red cedar. This is a very hardy evergreen that is growing very successfully wherever it is found in western Kansas. I regard it as being more desirable for ornamental planting than the red cedar, but not so good for windbreak purposes, on account of the fact that the foliage is not so dense."

Kansas Growing Wheat.

Correspondents of the State Board of Agriculture, in November, estimated that the past fall's sowing of wheat in Kansas would amount to 7,636,000 acres. This is 179,000 acres less than in the year before, but it should be noted that sowing has progressed more or less in some portions, even until the present time, according to later reports. The November estimate is of course subject to revision next spring, and finally will be superceded entirely by the returns of assessors, but in a general way the present approximations will serve every practical purpose.

The November report of correspondents shows that 53 counties sowed less wheat than a year ago, 43 more, and nine the same acreages. The western and eastern thirds of the state are where the decreases are most common, but by far the heaviest falling off is in the west, and particularly in seven or eight of the northwestern counties, Sheridan leading with 48,000 acres less, and Thomas, adjoining, coming next with a decrease of 46,000 acres.

The central third is where more wheat was sown, in the main, and especially in the southern half of this third, one of the most important wheat growing regions in the world, where the acreage is always large. Each of the railroadless counties in the southwestern corner also report increases, but their aggregates are comparatively small. Reno and Pratt are credited with the greatest gains, or 14,350 and 12,411 acres respectively, with Stafford, Kingman, Harper, Sedgwick, Kiowa and Sumner following—all in the southern part of the central third.

Barton with 274,581 acres, although having slightly less than a year ago, is still ahead of any other county. Reno is second, with 253,532 acres; Pawnee third, with 248,199 acres; Stafford fourth, with 242,966 acres; Ford, with a falling off, fifth, with 226,011 acres; and Pratt sixth, with 219,273 acres. No other counties have so much as 200,000 acres in wheat, but 26 have 100,000 or more acres each.

Many fields have been and are affording luxuriant grazing, and on the whole, the condition is excellent. More moisture would be acceptable everywhere, not only for the wheat but also to replenish the suplies of stock water which here and there is running low. This suggests to those who now and then find themselves inconvenienced by a shortage the desirability of sinking wells to the strata of never-failing water, and pumping with gasoline engines, thus doing away for all time with the possibility of this drawback. Moreover, the quality of well water is infinitely superior to that from a pond at its best.

A New Cattle Ruling.

President McFadden of the Texas Cattle Raisers' Association states his position as follows:

"We have secured a ruling which will permit quarantine cattle to undergo the necessary dipping on their own range and then go direct to the corn belt. Just when these shipments will begin to move depends entirely on the activity of the cattlemen in providing the necessary dipping facilities on their ranches or in close touch with them. It is a matter which affects every cattleman in the quarantine district of the state, and the board hopes that the new order will, as it should do, prove a prime factor in making the present quarantine area in Texas the greatest breeding ground for good steers in the United States. This will force the buyers in the corn belt to come to us for their young steers and we will be rid of the waste of time and money of former years in shipping steers to Oklahoma for grazing purposes. There is no reason why the corn belt should not abandon the breeding business entirely and allow us to furnish them with the young steers which they breed at home each year."

Texas is the logical and natural breeding ground of the country and as it gets back into the business the stock cattle problem will solve itself.

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LIVE STOCK

The daily press is authority for the statement that a Mr. Alvord of Ottawa County, Kansas, had bought some steers at the Kansas City yards during February last when the country was under snow, everything frozen up and feed extremely scarce and that he came out on these steers in fine shape. At the weights and prices which they then commanded they averaged $38.00 per head and after being roughed through 'till spring, grazed during the summer and short-fed this fall, they sold for $7.65 per hundred and averaged $81.00 per head. This gave Mr. Alvord a margin of $43.00 per head for handling these cattle.

The Bank Helps.

Down at Bronson in Bourbon County, the bank issues a statement of its resources and liabilities. There is nothing unusual in this as all banks do the same. But the unusual thing about this statement from the Bronson Bank is that there is printed on the last page of the report an argument in favor of holding a Farmers' Institute for the purpose of discussing live stock breeding, especially co-operative breeding. The banks generally are ready and willing to help in matters of this kind when asked to do so, but thus far this particular bank is the only one we know of that publishes an argument of this kind on its official report.

Lincolns for Fur.

Inquiries on almost every conceivable subject concerning live stock come to the live stock editor, and it is a pleasure to answer these. An illustration may be found in a recent letter inquiring for Lincoln sheep in Kansas. Our subscriber says he wants to buy about 50 Lincoln ewes with which to perform an experiment, and he does not know where in the state of Kansas to get them. He does not say what his experiment may be but we suspect that his plan is to cross these Lincoln ewes with Karakule-Arabia rams for fur production. These furs which are known as Astrachan, Persian and Krimmer, are produced by animals of this cross, and the furs are sold at prices ranging from $4.00 to $15.00 a skin. It is a well known fact that the domestic sheep is one of the most pliable animals in the hands of a breeder that is known to animal husbandry. The Karakule sheep have their native home in the desert region of Bokhara where great extremes of heat and cold are found and from this climate they have derived a very hardy constitution as well as very heavy and peculiar fur-like coats. When these animals are crossed with the long-wooled Lincoln sheep, the resulting half bloods not only produce a large carcass for mutton but their fur is extremely valuable in the arts where fur is necessary. Do any of our readers in Kansas have Lincoln ewes for sale?

Angus First at the International.

The Angus fat cattle at the recent International Live Stock Show at Chicago swept the platter. A carload of yearling fat Angus steers in competition with the fat carloads of all other beef cattle took the first premium and the grand championship over all other breeds, carrying away $825 in cash prizes. These yearling steers were sold at auction for $166.40 per head. Including the premiums, these yearlings brought $221.40 per head.

In exhibits of single fat animals of all beef breeds the Aberdeen Angus also carried away the prizes, including the championship.

The daily papers state that the "Aberdeen Angus blood continues to assert itself in the fat steer show. Packer judges like cattle of this type for the reason that they are nearer commercial cattle than other breeds."

The Aberdeen Angus, younger and older cattle, both male and female, swept a large proportion of the awards, including single fat Aberdeen Angus animals shown by the agricultural colleges from several states and including one shown by the Kansas Agricultural College, which took a premium.

It would seem that it would be wisdom for the beef cattle breeders and for the feeders to introduce herds of Aberdeen Angus cattle in this region for the purpose of supplying a beef breed of cattle which will fatten at any age and go on the market and take the very top-most prices in the stock yards. Farmers and cattle breeders should exhibit a pride in their business that would make them ashamed to breed and feed scrubs any longer.

If dairy cattle are wanted, some other breed will have to be looked to, as the Aberdeen Angus cattle are strictly a beef breed, only occasionally a cow being a fairly heavy milker. But if heavy weights at early ages, and good form which attracts attention and brings high prices in the stock yards are what you want, the Aberdeen Angus stands at the front and is the most popular beef cattle in America.

The grand championship on a single steer at the live stock show in Chicago was taken by Glencarnock Victor, owned and raised by James MacGregor of Manitoba. He is a two-year-old grade Angus black steer that never ate corn in his life, his feed being Canadian barley, oats and hay, with pasture in the summer.

There is something in this for farmers to think about. You can grow champion steers without corn. You can fit them for market without corn. The corn farmer is "not the only pebble on the beach" when it comes to prize stock. It is time for him to realize that he has been feeding too much corn; has, in fact, been wasting it. This should be some consolation to him as corn rises in price. In fattening steers with less corn he will be doing what steer feeders all the world over outside the United States have been doing. It would be interesting to know the cost of fattening this steer as compared with other grand champions that have had corn without limit, and all the other good things that they wanted to eat.—THOS. D. HUBBARD, Kimball, Kan.

The Colt Show.

Sedgwick County reports the holding of another very successful colt show in one of its rural neighborhoods. These colt shows are growing in popularity and are doing an immense amount o fgood. While it is true that the average farmer things most of his horse stock and takes better care of his horses and colts than he does of his cattle or hogs, it is also true that there exists a great need for improvement in our horses. The automobile, which was announced as the vehicle that would put the horse out of business, has done more for the improvement of horses than any other one thing outside of the influence of the breeder. The automobile has put the poorer quality of horses out of business but this is as far as it can ever go. The great fairs and expositions have done a great deal for the improvement of the horse stock in the past and this work is now being reflected more or less in the county fairs. All these, however, provide almost exclusively for pure bred animals. There is room for premium lists to be made for grade animals, though these should never be allowed to compete with pure bred animals. There is also room for a lot of missionary work in behalf of the improvement of horses. The horses shown at the fairs are more often than not matured animals. It is a rare thing in any fair to see a large exhibit of colts. For these reasons the average farmer visitor does not have a large opportunity to study horses at the colt age and learn just what a good colt is. The missionary work can be done at grange, neighborhood and county fairs where grade stock may be admitted in competition for the prizes offered. When this is done it will be found that the colt show will be one of the most attractive features of the fair.

Colt shows generally are inaugurated in local neighborhoods by stallion owners and result in competition between colts sired by the same horse. The success of such shows sometimes spurs other stallion owners to offer premiums and in this way colts from different horses may compete in the show ring. But one step further makes a colt show in which may be exhibited colts from any horse or those owned by any resident of the neighborhood patronizing the show, and in this case the premiums are offered by the grange, the institute, or other managing body, and special premiums may be offered by stallion owners for colts sired by their horses.

A good start in making a colt show will prove a drawing card the first year and a feature thereafter. It will be an

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incentive to better breeding and better feeding, and this is sure to result in a general improvement of the horse stock of the neighborhood. The criticism offered by an eminent French breeder and exporter of draft horses that American farmers do not know how to feed their colts, would be groundless. The draft horse of good quality sells for more money per pound than any other farm animal, and the better the horse is at the time of sale, the more money he will bring. Any incentive, therefore, which can be found for farmers to produce better colts and give them better care and feed, is sure to result in better prices and a larger market for that community.

Corn Stalk Disease.

"Will you please tell me what you can concerning the cornstalk disease in cattle. I have just lost five of the best of cows and they die so quickly that there is no chance to do much for them. So please tell all you can about this disease in KANSAS FARMER."—CALVIN BEEDLE, Lebanon, Kan.

This letter is but one of many of a similar nature that come to KANSAS FARMER every fall and winter. We have published much of information and interest concerning the corn stalk disease in the past but in order to give the latest possible information on this subject our subscriber's letter was referred to Dr. R. R. Dykstra of the veterinary department of the Kansas Agricultural College, who devotes his time to the investigation of such diseases and spends a very considerable portion of his time in the field in the handling of such cases. Dr. Dykstra's article is a synopsis of what is known at this time concerning the corn stalk disease and may be taken as an expression of the very best of expert opinion on this subject.

Dr. Dykstra says:

"This disease has been extensively investigated in this country, especially by Brimhall and Wilson, of Minnesota, by Moore of Cornell and others. It is claimed by some investigators that corn stalk disease corresponds to the condition known as "hemorrhagic septicaemia" or "deer and cattle disease." In support of this theory I may say that the causative germ of hemorrhagic septicaemia has been found in the blood of cattle dead of what was reported to be "cornstalk disease." Experiments conducted by the veterinary section of Kansas Experiment Station also indicate that several reported outbreaks of cornstalk disease were hemorrhagic septicaemia. It is only fair to state that several eminent veterinary investigators question the correctness of this theory, and it is for this reason that work is now being done along these lines by the Kansas Experiment Station.

"If Corn Stalk disease and Hemorrhagic Septicaemia are not identical then a mystery envelops the cause and character of the former disease.

"Concerning this point a recently translated German text-book on veterinary pathology states as follows: "The Corn Stalk disease or corn fodder disease which occurs among cattle in America, especially in the middle and upper Mississippi Valley is also supposed to be caused by an ovoid bacterium, and to be identical with hemorrhagic septicaemia of cattle. This disease usually occurs in the fall and early winter after the animals are turned into the corn stalk fields. It is characterized by a very rapid course. The autopsy reveals numerous hemorrhages in the internal organs, especially in the serous membranes.

"The germs causing Hemorrhagic Septicaemia is supposed to enter the animal's body through an abrasion in the mucous membranes of the digestive tract. The blood and excrements of diseased animals are infectous and contaminate the food supply.

"The symptoms of Hemorrhagic Septicaemia vary somewhat, but in general they are as follows: Death results in from six hours to two days. There may be an elevated temperature, but it is not always present. There is trembling of the muscles, loss of appetite, dullness, there may be signs of colic, with the passage of mushy faeces, frequently bloody. Blood frequently runs from the nose and other natural openings; the urine may be bloody.

"If the condition is not rapidly fatal there may be swellings under the jaw and in the region of the dewlap and legs. The tongue may be so swollen as to protrude from the mouth. Breathing is difficult and frequently loud.

"In addition the lungs may become affected, with all the symptoms of pneumonia.

"Treatment and preventatives: The treatment of affected animals has been very unsatisfactory as probably ninety-five per cent. die.

"For prevention it is advisable to remove animals from the infected fields to dry and elevated places. If the disease occurs in a stable, the latter should be thoroughly disinfected.

"Immunizing animals by vaccination is still in the experimental stage.

"Those investigators that claim that Corn Stalb disease and Hemorrhagic Septicaemia are not identical, contend at the same time that the former may be prevented by cutting corn stalks early in the season, properly and carefully curing them, and removing them from the field before feeding them."

Feeding Silage to Steers for Beef.

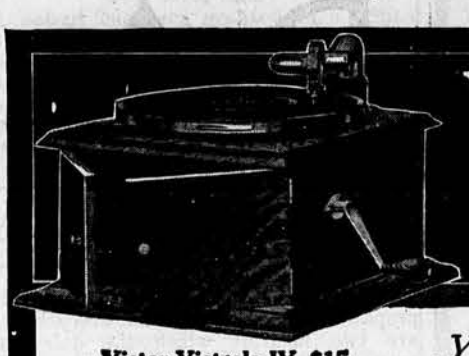
Subscriber J. L. O., Morrison, Ill., says he has 82 steers averaging 900 pounds each, which he will feed 125 to 140 days. He will feed oil meal, cold pressed cottonseed cake with silage. He asks how much silage should each steer be fed and if it is best to feed silage with the meal or between meal feeds.

To the above A. L. Haecker, the Nebraska feeding expert, replies:

"Silage being a cheap food, and at the same time one high in carbohydrates and succulence, it should compose the largest part of the ration. Its weak qualities are a lacking of protein and concentrated material. This you can readily make up in oilmeal and cold pressed cottonseed cake. Both feeds are splendid and of much value to balance silage, and I would feed them liberally. Some prefer oil meal to cottonseed. The former is perhaps a little better and is relished more by the stock, but the latter is cheaper and would perhaps count better per dollar. The oil meal and cottonseed meal should be fed on top of the silage.

"A good plan is to feed the silage in bunks twice a day, taking care not to overfeed, but to give what the animals will take up clean and relish. After the silage has been put into the bunks, add the oil meal or linseed meal and ground corn, if such is desired. In this way there will be little waste, as the moisture of the silage will prevent blowing of the corn and the fine corn will settle down through the silage. A little salt added will also help matters, and will be relished by the stock. If you have any hay to feed, feed this in well made hay bunks. The stock will not consume much hay when getting the liberal feeds of silage and oil meal.

"I would recommend that you start with at least 25 pounds of silage each day and two pounds of oil meal. This can be increased to about 30 pounds of silage and three or four pounds of oil meal per steer. If you are feeding corn, mix the corn with the oil meal, twice as much corn as oil meal, by weight. What is said of oil meal may also be said of cottonseed meal, as they are similar."



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Victor-Victrola IV, $15

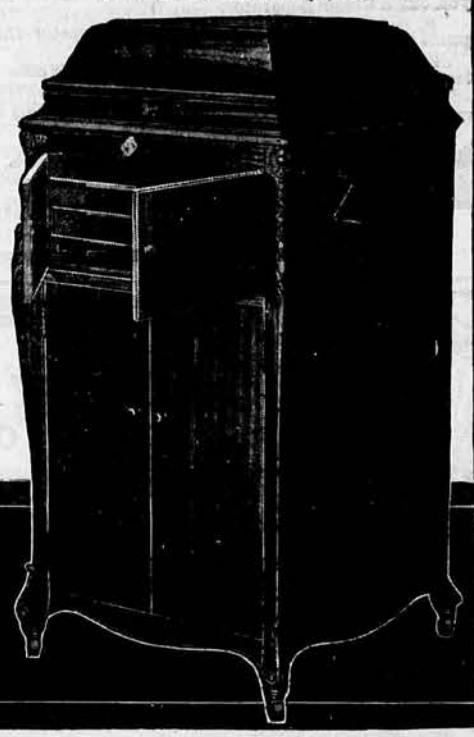
Your kind of music is yours to enjoy in all its beauty with a Victor-Victrola in your home.

Your kind of music—the kind *you* like best—sung and played as you have probably never heard it before.

Your kind of music perfectly rendered by the world's greatest artists whenever you wish to hear it.

Any Victor dealer in any city in the world will gladly play *your* favorite music—band or orchestra selections, sacred music, old-time ballads, popular or comic songs, grand opera arias, instrumental solos, minstrel or descriptive specialties, or whatever your choice may be—and thereby clearly demonstrate to you the wonderful Victor-Victrola.

Victor-Victrola XVI, $200



There's a Victor-Victrola for *you*—$15, $25, $40, $50, $75, $100, $150, $200—and easy terms can be arranged with your dealer if desired. Write today for the handsome illustrated Victor catalogs.

Victor Talking Machine Co., Camden, N. J.
Berliner Gramophone Co., Montreal, Canadian Distributors.

Always use Victor Machines with Victor Records and Victor Needles—*the combination*. There is no other way to get the unequaled Victor tone.

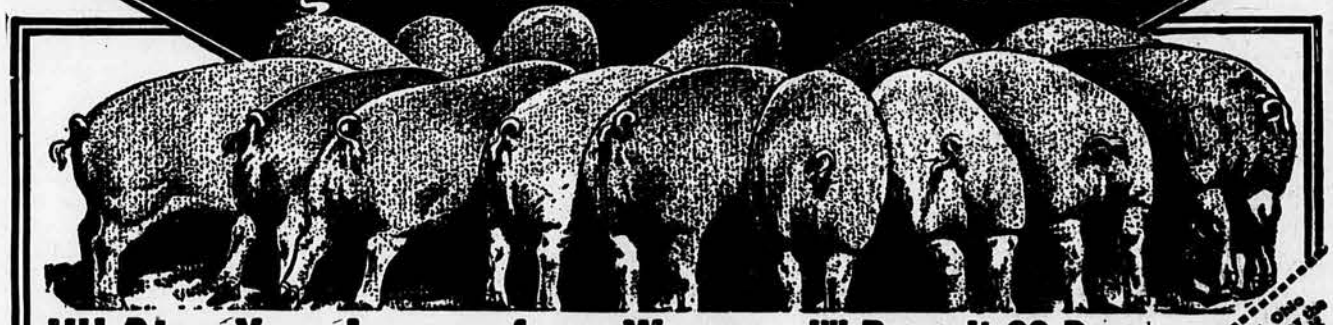
Victor Steel Needles, 6 cents per 100.
Victor Fibre Needles, 50 cents per 100 (can be repointed and used eight times).

New Victor Records are on sale at all dealers on the 28th of each month.

Victor "HIS MASTER'S VOICE"

Victor

Pigs Without Worms



I'll Stop Your Losses from Worms—I'll Prove It 60 Days Before You Pay

Little pigs only a few weeks old are often found loaded with worms. Hogs of all ages suffer from these deadly parasites. Then cholera, swine plague and other contagious diseases get in their destructive work. Stock troubled with worms don't thrive; they cough, have fever, act dull, and don't gain a pound. Your feed is wasted; your profits are stolen. Your animals frequently die, causing total loss of many dollars. I'll stop all this **quick** with Sal-Vet, the great worm destroyer and conditioner. I have done it for thousands of others. I'll do it for you, before you pay me a penny, if you will just send me the coupon.

SAL-VET

Read This Letter: "Have fed Sal-Vet to my hogs and lost none. Neighbors both sides of me, east and west, have had cholera bad. One west of me, on adjoining farm, lost about forty hogs and pigs with cholera; the one east, on adjoining farm, lost all he he had, excepting four."
A. J. HOFFMAN, Leipsic, Ohio.

Send No Money—Just the Coupon

If you will fill out the coupon—tell me how many head of stock you have—mail it to me, I'll ship enough Sal-Vet to last them 60 days. You simply pay the small freight charge when it arrives, and when the 60 days are up report results. If it does not rid all your stock of the deadly stomach and free intestinal worms, I'll cancel the charge—you won't owe me a cent.

Prices 40 lbs. $2.25, 100 lbs. $5.00, 200 lbs. $9.00, 300 lbs. $12.90, 500 lbs. $21.12. No order filled for less than 40 lbs.

S. R. Feil, Pres. THE S. R. FEIL CO., Dept K.F. Cleveland, Ohio (72)

60-day trial shipments are based on 1 lb. of "Sal-Vet" for each hog or sheep, and 4 lbs. for each horse or head of cattle, as near as we can come without breaking regular packages.

SIDNEY R. FEIL, Pres. THE S. R. FEIL CO., Cleveland, Ohio
Ship me enough SAL-VET to last my stock 60 days. I will pay the freight and report results in 60 days and will then pay for it if done what you claim. If it does not you are to cancel the charge.

Name..... P. O..... Shipping Sta..... State..... Sheep..... Hogs..... Cattle..... Horses..... K.F.1-11-13

From Maine To the Gulf

progressive farmers and dairymen everywhere are using

SHARPLES
Tubular
CREAM SEPARATORS

Many of them who formerly shipped their milk are now selling the cream and feeding the skimmed milk to the calves, pigs and chickens.

The high price of veal, pork and poultry pays them well to do this—and they're making more money than ever before.

They are successful, progressive men.

Here's a Letter from Maine:

Danforth, Me., March 12, 1912.

Am using No. 3 Sharples Separator. In 1910 milked eight cows and sold $450 worth of sweet cream; and raised $200 worth of calves and pigs on the skim milk. Haven't figured up for 1911, but returns were nearly as good. G. R. FOSTER.

And Here's Another from Texas:

Hamlin, Texas, June 16, 1912.

I have a Tubular Cream Separator and like it fine. N. G. BAIRETT.

Sharples Tubular Cream Separators make money and save time for you because they get all the cream, are easy to run, and can be cleaned THOROUGHLY in a few minutes.

One of our customers wrote us the other day that his No. 4 Tubular in twelve years had cost him 20 cents for repairs. Some record, that—and worth remembering when you buy a Cream Separator.

It isn't the price you pay for a separator that counts, but how much EXTRA profit it will make for you.

Sharples Tubulars make extra profits. We offer you a Free Trial—and then guarantee the Separator not only for one year, or two years, or five, but FOREVER.

Write for for our interesting Tubular A Catalog No. 165 today. It suggests ways to make more money from your cows.

The SHARPLES SEPARATOR CO.

Chicago, Ill. West Chester, Pa. San Francisco, Cal.
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Why These Tools Are Cheapest

Service and durability are the real measures of cheapness. Keen Kutter tools are unquestionably the cheapest because they give better service and last longer than ordinary tools. If you knew the rigid tests that tools undergo before they are qualified to bear the famous Keen Kutter trade mark, you wouldn't be satisfied with ordinary tools at any price.

KEEN KUTTER
Quality Tools

work *with* the worker and balance perfectly. They ensure clean cutting and chopping. Keen Kutter handles "stay put" because they have the Simmons' wedge that can't loosen. Go to your dealer and inspect these Keen Kutter axes, hatchets, hammers and braces. Know yourself they are the finest tools on the market.

If not at your dealer's, write us.

"The Recollection of Quality Remains Long After the Price is Forgotten."
Trade Mark Registered. —E. C. SIMMONS.

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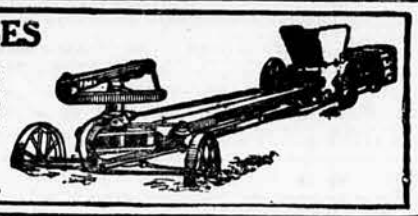
Tested for over 25 years. Made in many styles, Horse Power, Belt Power and Self-feed Attachments. Simple and Durable with Greatest Capacity. They make a Profitable Investment. We can suit you. Write for Catalog and prices.



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Stock or Dairy Farm For Rent

I wish to rent my 470-acre farm adjoining Wellsville, Franklin County, Kansas. Two sets of A-1 buildings, five wells, one-half hog-tight, Kentucky bluegrass. This farm has been an old feeding farm for 40 years. Our school advantages are the very best. This farm is well adapted to stock raising or dairying.

If interested, let us see you. **J. G. McLAIN**

$1 50 CONCORD GRAPES $1 **Nursery Snaps** 10 BUDDED CHERRIES $1 $1

Hardy, vigorous, guaranteed stock. Low prices and square deal on all nursery stock. Write for Catalog and 25c Due Bill, Free. BOX L FAIRBURY, NEB.

For Choice Pure-Bred Seed Corn

and all kinds of farm seeds in bulk, also garden seeds, send to the Lawndale Seed Farm. Catalog free.

JOHN D. ZILLER,
The Farmer Seedsman, Hiawatha, Kansas.

DAIRY

"Take time by the forelock" and "be prepared for anything and everything," are two maxims which the dairyman may well take to heart. If these two maxims are thoroughly digested he will realize the necessity of taking advantage of the warm summer-like days which are experienced during the late fall and he will guard against the evils which result from a sudden change in climatic conditions. When the days are warm and comfortable there is no better place for the dairy herd than in the lot where the cows may feed and bask in the sunshine. When the days are cold or sudden changes are to be expected he will have the cows protected and made comfortable, that there will be no loss of energy in the manufacture of milk and no shrink in the flow which costs money and feed to regain—if it is ever regained.

"Ten acres of alfalfa and a 150-ton silo on every quarter section farm in Iowa" is the slogan of the Agricultural Extension Department of Iowa State College. There is permanent prosperity in store for every Iowa farmer who will follow this slogan. Alfalfa and a silo, with either corn, Kafir, or cane for the filling, will insure every quarter section farm—whether in Iowa or in Kansas—having the feed necessary to maintain on that farm such an amount of live stock as will result in making the farm operations both permanent and prosperous. This is a slogan which Kansas can take up as well as Iowa. There is no copyright on the Iowa plan. What is good for Iowa along agricultural lines, and speaking generally, is good for Kansas. Iowa is ahead of Kansas in live stock production. It is natural that she should be on account of her corn, but in Kansas, with corn. Kafir and cane adapted to all sections of the state, there is no reason why we should not equal Iowa in live stock production. There is certainly no reason why our present numbers of live stock should not be made more valuable by better feeding, and there is no good reason why in Kansas our live stock population should not be increased three or four-fold.

There are many people who are inclined to the belief that because the Jersey is not large she lacks endurance and constitution. Most of such people have been brought up with beef breeds, and comparing the Jersey cow with the beef animal and to such she does not look big and strong enough to endure the work expected of her. The ability of the Jersey to withstand all sorts of conditions of weather is shown by the rapidity with which the animals of that breed have been spread all over the country from the warmest to the coldest and most rigorous of climates. Economical dairy production is dependent only upon the machinery necessary to produce milk economically and in sufficient quantity to make it profitable. The anatomy of the Jersey is of sufficient size to enable her to do this. Because she is small compared with beef breeds—but not when compared with dairy breeds—is no reason that she is not hearty. A lean individual may be as hearty as a fleshy individual. The dairy cow, however, is not prepared to withstand the storms and rigorous winter weather as is the beef animal with inches of fat spread over his entire form. The man who engages in profitable dairying will not expect the dairy cow to clothe herself with thick hair, thick skin and a coat of fat to keep her warm.

It is not unusual for a subscriber to ask regarding the merits of calf meal or other substitutes for milk in the growing of calves. It has been found at a number of experiment stations that it is possible to raise healthy, thrifty calves on calf meals and other substitutes. The Pennsylvania and North Carolina stations have done considerable work along such lines. In each of the successful experiments the use of the substitute was not begun until the tenth day after the calf's birth, the calf having been fed on whole milk until that time. In these days when whole milk has a high value for consumption in the city, dairymen find it expensive to grow calves if the whole milk must be fed. On such dairy farms there is no skim milk. The expense of maintaining the calf the first three or four months of its life is responsible, more than anything else, for the vealing of thousands of calves. On such farms the use of milk substitutes should be investigated. An investigation will lead to the results that the calves will be successfully and economically raised and fewer young calves will be slaughtered than at present. On the farms where the whole milk is skimmed by a hand separator and the cream is sold, the skim milk with corn or Kafir meal, furnishes efficient feed for successful hand-raising. However, we have talked with many farmers who think that the various calf meals can be profitably utilized in connection with skim milk.

A dairy breeder writes that he is sure that his large producing cows would decline in production if placed in the hands of indifferent feeders and caretakers. The breeder is absolutely right. Feed and care are two factors equally essential to dairy breeding in the successful production of milk. It is for this reason that KANSAS FARMER has time and again made the statement that we would not recommend to any inexperienced dairyman the purchase of high class, large producing dairy cows even though the inexperienced dairyman had the money to expend for such herd. Dairying is a business the success of which largely depends upon the experience and the intelligence of the man who engages in that business. This is the reason that it is a more profitable and a more refined business than other callings which do not require the same degree of experience and intelligence. This experience and intelligence, however, are not things which the man or normal mind cannot obtain. Any man of good, common sense can safely begin grading up and selecting the dairy herd after the commonly accepted methods and gain this experience as he progresses, to the point at which he will be able to successfully handle and feed the largest producing animals. You would not think of placing the hired hand of your farm, absolutely without experience, in a factory and set him to building watches. You would not expect that without experience this same farm hand could successfully handle and feed a cow producing 15 to 20 thousand pounds of milk per year.

In our judgment it is clearly within the scope of good business for the creameries of Kansas or of any other state to aid their patrons in procuring high-grade dairy stock. Several creameries known to us have been able to improve the dairy stock of the territory from which supplies are drawn, by buying choice cows in the old established dairy sections and selling these cows to patrons. In engaging in such business it will not be necessary to introduce into the territory dairy animals in sufficient numbers to replace all animals of nondescript breeding now found on the farms. If enough of dairy-bred stock could be transplanted into the different sections of Kansas to demonstrate the superior usefulness of such stock, the whole state would soon become leavened to the extent that farmers would seek without aid their own sources of supply. The demonstration would result in farmers selecting and buying on their own account dairy-bred males. Soon the demonstration of dairy breeding would be so forcibly impressed upon farmers generally that no encouragement would be required. The value of the dairy is known to the bankers and business organizations of every community. A good starting point in the building up of a permanent and prosperous community would be for these organizations to engage in a propaganda which would result in demonstrating the superiority of the cow bred for milk over the cow of beef breeding but which constitutes 90 per cent of our farm dairy herds.

Raise calves without milk and at half the cost by feeding "Big B" Calf Meal. It is an absolute substitute for milk and does not cost half as much. We can give you hundreds of testimonials from dairymen and feeders. 100 pounds, $3.25; 500 pounds, $15, at Fort Scott. Order now. Brooks Wholesale Co., Ft. Scott, Kan.—Adv.

15.95 AND UPWARD

AMERICAN SEPARATOR

THIS OFFER IS NO CATCH. It is a solid proposition to send, on trial, fully guaranteed, a new, well made, easy running separator for $15.95. Skims hot or cold milk; making heavy or light cream. Designed especially for small dairies, hotels and private families. Different from this picture, which illustrates our large capacity machines. The bowl is sanitary marvel, easily cleaned. Gears thoroughly protected. Western orders filled from Western points. Whether your dairy is large or small, write us and obtain our handsome free catalog. Address:

AMERICAN SEPARATOR CO. Box 1091 BAINBRIDGE, N.Y.

GUERNSEY

Most Economical Producer of Highest Natural Colored Dairy Products.

Get Them. Write The

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It's easy and the arbors bear many years. Fruit sells well everywhere, is wholesome and delicious. Never enough on market to supply the demand.

3 Strong Concord Grape Vines Prepaid 10c

Yield quantities of luscious fruit. Best general purpose variety, hardy, healthy and dependable cropper. Try these vines! The biggest plant bargain of the season.

INTERESTING CATALOGUE FREE

Honest descriptions and illustrations make it a safe guide to good nursery stock. Learn all about our plants and methods. Send for book today!

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For twenty-seven years I've been selling "Seeds and Plants that Grow." I've been selling them direct—at rock bottom prices—no agents' commissions attached. My catalog has always been my only salesman. My

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is now ready. Send for it. It's the result of 27 years' experience. Lists all kinds of trees and plants, farm, garden and flower seeds. Quotes lowest prices, no agents' commission to pay. Here are a few of the many bargains. Apples 8c each; Cherry 14c each; Plum 15c each; Catalpa Speciosa seedlings 8-12 inch $1.75 per 1000.

SPECIAL 10c Offer 5c pkt. Mixed Colors Petunias; 10c pkt. Ex. Fine Mixed Pansies; 10c pkt. Giant Single Pinks; 5c pkt. Finest Mixed Popples. 30c worth for 10c, postpaid.

Remember my seeds are all Nebraska Standard. I pay freight on $10.00 true orders. Send for catalog, see my prices. A postal brings it.

German Nurseries & Seed House, Box 147 Beatrice, Neb.

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New Crop Grown at Farmer Prices. In addition a lot of extra FREE SEEDS thrown in with every order.

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Our Grand Big Illustrated Catalog of all Farm and Garden Seeds is now ready and free to you. Write for it today. Send names and address of neighbors who buy seeds. Address

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Greenwood County Nursery

SPECIAL PRICES ON CATALPA SPECIOSA

General line of nursery stock including apple, peach, pear, cherry, plum, apricot, quince, grape vines, berry plants, roses, shrubs, rhubarb, asparagus, etc., also black locust. Certificate of inspection with each shipment.

Our 1913 Catalog Gives Valuable Instructions how to plant and care for vines, shrubs, fruit and ornamental trees. Write or drop a postal today for this valuable catalog.

J. W. Hinshaw, Prop., Box A., Eureka, Kan.

Hill's Evergreens Grow

All hardy stock—twice transplanted—root pruned. Protect buildings, stock, crops. Hill's Evergreen Book, illustrated in colors, Free. Write today.

D. Hill Nursery Co., Inc., 221 Cedar St., Dundee, Ill. *Evergreen Specialists*

New Milk Can.

A patent has been granted on a milk can which will help to solve the problem of delivering pure milk in the cities. The device consists of a can within a can, a dead air space surrounding the inner receptacle. The inner can is protected from extremes of temperature by by envelope of asbestos or other non-conductor. It may be removed easily for cleaning. One cover, when closed, seals both cans. Experiments have shown that the milk will be preserved for many hours at the temperature at which it is put in and that the device can be manufactured cheaply.

Philanthropy in Dairy Development.

George C. Curtis, a Wisconsin breeder of Jerseys, is determined to build up dairying in his community with Jerseys. Here is what he says about the territory within a five-mile radius of his farm: "Only Jersey bulls are used. I have twelve loaned out, some of them making several places during the year, others putting in their full time at one place. Besides these bulls there are three or four more in private ownership, standing for public service; and my own bull stands for free service, taking care of about 125 cows per year for the past three years. The result is a fine bunch of young thrifty grade heifers, renewed interest in the breed and in dairying and frequent inquiries as to the chance to get a registered heifer.

Butter Wins First Victory.

N. P. Hull, secretary of National Dairy Union, which organization is taking the lead in the dairy farmers' fight for butter against the fraudulent sale of oleomargarine, writes KANSAS FARMER:

"Just prior to the adjournment of Congress for the Holiday recess, the House Committee on Agriculture held its last hearing upon the pending Oleomargarine bills. Representatives of the dairy interests from several states attended this hearing and gave testimony, that clearly demonstrated the justice, fairness, and practical workability of the provisions of the Haugen Bill. The several representatives of the dairy interests, clearly pointed out the fact, that the provisions of the Lever Bill removed all restrictions to the counterfeiting of genuine butter by cheap imitations; and that if such counterfeiting was given the sanction of law, a large per cent. of Oleomargarine would be sold as butter at butter prices.

"It was further clearly shown, that to allow Oleomargarine to go to the consumer so closely imitating or counterfeiting butter as to prevent such consumer being able to identify it from butter, would bring the producer of genuine butter into direct competition with the imitation that costs only one-half as much to produce, and that such unfair competition would, of necessity, drive the producers of genuine butter out of business. Thus the issue was clearly drawn between the thirty or forty manufacturers of imitation butter on the one side, and the 10,000,000 producers of genuine butter on the other.

Immediately following the hearing the committee went into executive session and considered the reporting out of the Lever and Haugen Bills. A vote upon the two bills showed that the committee was evenly divided. The Southern congressmen all voted for the Lever bill and were reinforced by McDermott, from the Stock Yards District of Chicago, and Taggart, of Kansas; Congressman Hanna. Governor-elect of North Dakota, was absent. Had he been present he would have favored the Haugen Bill. This would have insured the reporting out of that bill.

"At a conference held later, friends of the Lever Bill agreed to report out the Haugen Bill, that the matter might be brought before the House. Inasmuch as the Oleomargarine interests had confidently expected that their bill would be favorably reported by the Committee, the friends of honest products, sold for just what they are, have cause to feel encouraged over the ultimate attitude of the Committee."

It will be noted from the above that Congressman Taggart of the Second Congressional District in Kansas voted for the Lever bill and consequently for the packers against his farmer constituents. Farmers of the Second District, get busy! Bury Congressman Taggart with letters and pledge him to work against and vote against the sale of oleomargarine as butter. The Haugen bill proposes to surround oleomargarine with such regulations only as will insure its sale and its purchase by the consumer as oleomargarine—just exactly what it is. If oleo cannot stand on its own merits, let it fall. If it has value as a food and people want it as a substitute for butter, they will buy oleo at oleo prices.

DE LAVAL CREAM SEPARATORS

Don't Delay Buying One a Single Day Longer

If you are selling cream or making butter and have no separator or are using an inferior machine, you are wasting cream every day you delay the purchase of a De Laval.

There can only be two real reasons why you should put off buying a De Laval; either you do not really appreciate how great your loss in dollars and cents actually is or else you do not believe the De Laval Cream Separator will make the saving claimed for it.

In either case there is one conclusive answer: "Let the De Laval agent in your locality set up a machine for you on your place and see for yourself what the De Laval will do."

You have nothing to risk and a million other cow owners who have made this test have found they had much to gain.

Don't wait till Spring. Even if you have only two or three cows to milk you can buy a De Laval now and save half its cost by Spring, and you can buy a De Laval machine for cash or on such liberal terms that it will actually pay for itself.

The new 72-page De Laval Dairy Hand Book, in which important dairy questions are ably discussed by the best authorities, is a book that every cow owner should have. Mailed free upon request if you mention this paper. New 1913 De Laval catalog also mailed upon request. Write to nearest office.

THE DE LAVAL SEPARATOR COMPANY

NEW YORK CHICAGO SAN FRANCISCO SEATTLE

Certified Bakings

That's what you really get when you buy a can of Calumet Baking Powder—it is guaranteed to give satisfactory results or money back. It therefore *must be pure.* It must produce delicious, uniformly raised food—it must be right—and it is.

CALUMET BAKING POWDER

If You Dont get CALUMET You Dont Get the Best

is moderate in cost—economical in use. Get Calumet and you get the best.

RECEIVED HIGHEST AWARDS World's Pure Food Exposition, Chicago, Ill. Paris Exposition, France, March, 1912.

You don't save money when you buy cheap or big-can baking powder. Don't be misled. Buy Calumet. It's more economical—more wholesome—gives best results. Calumet is far superior to sour milk and soda.

STARK TREES — Best For Over 100 Years

Four generations of fruit tree growing experience, boiled down, is ready for you absolutely free of charge. Don't experiment with fruit trees of unknown productiveness, uncertain quality. Stark Trees always pay big. The secret is in Stark Brothers' perfect method of growing, transplanting, packing and shipping.

50 Years Ahead of Any Other Nursery in America

Why don't you take advantage of our Special Service Department? All Advice Free to You. We send you free the best scientific methods of preparing your soil for biggest profits; show you how to prune your trees, give you best methods of Stark cultivation; how to spray the Stark way. We make your orchard a winner and a big money maker. Write us at once for Stark Year Book, complete fruit tree literature and statistics. Write today.

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"Sunflower Brand" Biggest money maker on the farm and best fertilizer known. Pure seed, Kansas grown, on non-irrigated land, insuring perfect germination. "SUNFLOWER BRAND" Alfalfa seed is tested by experts trained in United States Government Laboratories, is free of weed seeds and will grow anywhere.

Big Sample Free. Write for FREE sample and free Book of the latest information about Alfalfa.

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This rapid tool grinder, with its wonderful artificial diamond wheels, sharpens plow points, saws, axes, discs, sickles and all farm tools 25 times faster than a grindstone, 10 times better than emery. Will not draw temper. It reduces farm work, saves time, labor and money. Will send it on trial without advance payment or obligation.

LUTHER DIMO-GRIT GRINDER has all metal frame, enclosed shaft drive, dust-proof bearings, runs easy as a sewing machine. Special attachments such as forge, milk tester, jig saw, rip saw, lathe, drill, etc., furnished if desired, fully guaranteed. Write for free book on tool grinding and liberal free trial offer.

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POULTRY

Wh' ending the poultry shows be on the .out for a male bird that will help to improve the grade of your flock next season. No matter what price you pay for him, it will be money well spent.

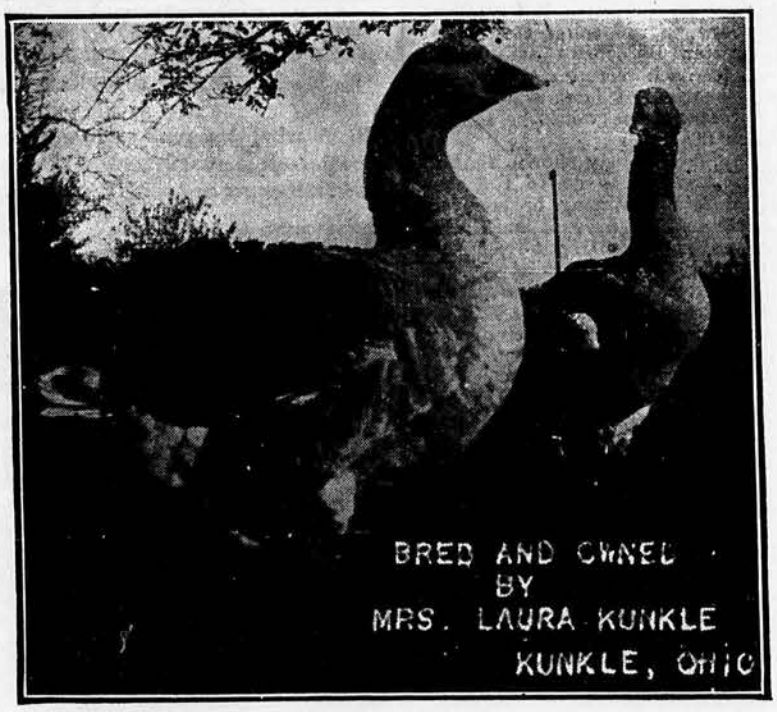
And if your purse will allow it, buy a few hens also, if they are better than the ones you now have. But don't forget the male bird. Remember the male is half the pen and will improve your flock several hundred fold.

All the nonproducers should be culled out of the flock this winter, so that there will be nothing but first class stock for the breeding season. Make a pot pie out of the nonproductive hen and the useless rooster and thus benefit yourself while benefiting the flock.

A grand total of 13,175 entries justifies the claim that the Crystal Palace Show, held in London the second week of November, 1912, is the largest poultry show in the world.

Better keep your hens shut up during very cold or wet days. A shivering, bedraggled hen won't lay any eggs. It is only the warm, comfortable fowls that lay eggs in cold weather. Exposure to storms and cold is apt to induce disease. Keep them in a warm house, but at the same time keep them busy scratching for their food.

Don't forget to salt the mash when you give it to your fowls. They will be healthier and more productive for it.



A PAIR OF MRS. KUNKLE'S FINE TOULOUSE GEESE.

In summer the hens get a good deal of salt by eating grass, which absorbs a large amount from the soil, but when they are confined they are dependent on their attendant for everything that is essential to their well being.

At Cornell Agricultural College they have kept track of the laying qualities of several hens for three years. The three highest laid as follows: No. 1 laid 242 eggs the first year, 186 the second year, and 213 the third year, a total of 653 eggs; No. 2 laid 258 the first year, 200 the second, and 186 the third, a total of 643 eggs; No. 3 laid 245 the first year, 131 the second, and 158 the third, a total of 534 eggs. This shows that the first year is the best laying period.

Up to this writing we have not had severe cold weather, but we are bound to hav it before long, and we wish to warn the breeders to protect their birds from the cold snaps that are sure to come. So many birds get their combs and wattles frozen every winter that we ought to take time by the forelock and prevent it. It is generally the first severe snap that catches the breeders unawares and their birds are frozen before they realize the fact. See that your fowls have a good warm place when the cold north winds commence to blow.

Raising Geese.

Few people realize the prift there is in a flock of geese. Although geese are gaining ground and are more extensively raised every year, the prices are higher the present season than ever before. The expense of raising them need not exceed the labor, as geese will grow well on good pasture without ever receiving a particle of other food, but will make better growth if given from the start some nutritious and easily digested food. For this there is nothing better than bread soaked in plenty of new milk. By this I mean a slice of bread in a quart of milk for eight or ten goslings. This ration should be continued until they are two weeks old. Also begin the second week with a dry mash composed of one part beef scraps, two parts bran, and four parts of cracked corn. In the morning put them on good pasture and give them nothing but fresh water until evening. Then confine them in a rat-proof coop—for rats are very fond of young geese—and give them the bread and milk in one pan and the dry mash in another, and by morning it will be gone. As they grow older increase the ration of mash until there will be just a little left in the morning. After two weeks old, discontinue the bread and milk and supply them with water at night. But remember, do not leave goslings out in the rain until they are five weeks old or they will chill. After this there will be no danger unless there happens to be a hailstorm. I like to have my goslings under shelter from storm until they are nearly grown. If they have a place of shelter they will soon learn to go there at night or from a storm. After the first week their coop should be cleaned every other day and dry litter put in. Heat of some kind should be used for the first two weeks—either hens or a hover. The old geese take care of them in daytime, but I use a hover for them at night, as I think it much safer. Goslings should be eating something nearly all the time—therefore the dry mash at night—and should grow plump and fat from the start. I do not know if this applies to all breeds of geese, but am speaking of the Toulouse, the largest of the goose family. I often have young stock raised by this method which have attained the extreme weight of 23 pounds at eight months old. I have raised geese for twelve years and know whereof I speak. —MRS. LAURA KUNKLE, Kunkle, Ohio.

Hard and Soft Food.

If anyone will moisten a gill of cornmeal it will be noticed that a large quantity of water will be absorbed. This water is not taken by the fowl volun-

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THE STRAY LIST

W. A. BLAIR, COUNTY CLERK, Labette County. Taken Up—By Clark Ellis, on the 20th day of November, 1912, one yearling steer, red, left ear split, right ear cropped, white on forehead.

JOHN E. BARRETT, COUNTY CLERK, Woodson County. Taken Up—By C. E. Darst, Yates Center, Kan., on the 3d day of December, 1912, one cow, red, weight 850 pounds. T on right hip. Appraised value, $20.00.

URE BRED POULTRY

PLYMOUTH ROCKS.

ORY STRAIN WHITE ROCKS, LARGE, e, pure bred. Graca Dolson, Neal, Kan.

ARRED ROCK COCKERELS, REASON- prices. Dradle Dunbar, Columbus, Kan.

ARRED PLYMOUTH ROCKS—MRS. E. lazen, Hiawatha, Kan.

HITE ROCKS—KANSAS STATE SHOW ers. Exhibition and utility stock. Price onable. R. C. Lane, Newton, Kan.

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IGH GRADE UTILITY BARRED ROCK erels, $1.50. Hatching eggs, $4 per 100. . Carey, Peabody, Kan.

RE-BRED BARRED ROCKS — FIFTY e cockerels, $2 each. Ringlet strain. rous, farm raised. Mrs. P. A. Pettis, hena, Kan.

HAMPION BARRED ROCKS AGAIN essful winning all firsts at Franklin glas Co. Fair, 1912. Write me. Mrs. s Bearman, Ottawa, Kan.

ARRED ROCKS—BRED FOR BEAUTY profit. Sixty-four premiums, Topeka, hattan, Clay Center. Cockerels, $3 and Mrs. D. M. Gillespie, Clay Center, Kan.

ARRED PLYMOUTH ROCK COCKER- good utility birds, $1.50 each; $4 for ; $7 for six. Mrs. J. H. Taylor, Route hapman, Kan.

UFF ROCKS — COCKERELS, HENS, ts, eggs, bred successfully 15 years. very best. Lowest cost. J. H. Kelley, ona, Iowa.

HIRTY WHITE PLYMOUTH ROCK erels, $1 and $2 each. Indian Runner es, $1.50. L. F. Spellman, Route 8, n, Kan.

ARRED PLYMOUTH ROCKS, THOMP- Ringlet strain, cockerels $2 each. Eggs hatching, $3 for 50; $5 for 100. A. F. ker, Defiance, Mo.

HITE ROCK COCKERELS SECOND winners, score 92 to 96½. Extra high . Sell for half value. Will Curtis. St. s, Minn.

IFTY EARLY SPRING COCKERELS ale, the best lot I ever raised, priced to quick. Write your wants at once. Mrs. . O'Keefe, Stilwell, Kan.

ARRED ROCK COCKERELS — DEEP ed, fine color, heavy boned. Bred ex- ively 18 years from best blood. Farm e. T. J. Embry, Baxter Springs, Kan.

ARRED ROCKS FOR SALE—THIRTY ers undefeated wherever shown, $1 to ach. Also prize pullets, $1 each. Ship- station, Waldo, Kan. Mrs. E. S. Talia- o. Route 3, Russell, Kan.

HITE PLYMOUTH ROCKS—WINNERS Missouri State; Little Rock, Ark.; West- Missouri, Jefferson City and Warrens- shows. Cocks, hens, cockerels and ts at reasonable prices. A. E. Glass, risonville, Mo.

INDAMOOD'S BARRED ROCK COCK- , all hatched from prize winning mat- ; heavy laying strains, and are sure to se. Utility birds, $2 to $3 each. Pen ders, $5 up. Write now before the best gone. C. C. Lindamood, Walton, Kan.

LEGHORNS.

OR SALE — CHOICE ROSE COMB te Leghorn cockerels, $1 each, $9 dozen. ry Dieckhoff, Kensington, Kan.

URE-BRED SINGLE COMB WHITE horn cockerels, now $1 each, $10 dozen. le Tonn, Haven, Kan.

. C. B. LEGHORN COCKERELS, $1 ; six, $5. Guaranteed pure-bred. A. B. g, Centralia, Kan.

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. C. WHITE LEGHORN COCKERELS, raised; large, vigorous birds; $5. None er at any price. Westdale Farm, Hous- a, Mo.

UARANTEED THOROUGHBRED S. C. Leghorns, S. C. White and Buff Orping- . Prices reasonable. J. A. Blum, Sta- A, Wichita, Kan.

INGLE COMB BROWN LEGHORNS— kerels, large fine fellows from my prize- rs at state show. W. J. Roof, Maize, .

URE-BRED POULTRY—BROWN LEG- s. Cockerels, $2 and up; trios, $5 and 16 Embden geese, $24. White turkeys, , $8. Write quick. John Garbee, Bill , Mo.

INGLE COMB WHITE LEGHORNS— -nest bred 10 years for egg production. r cup winners in Kansas City shows. ity hens, cockerels, $1.25; pullets, $1.50. ners for any show. Catalog free. Ack- an Leghorn Farm, R. F. D. 5, Rosedale ion, Kansas City, Kan.

DUCKS

AWN AND WHITE RUNNER DUCKS, le Combed Buff Orpingtons, reasonable. d Fagan, Minneapolis, Kan.

IFTY CHOICE INDIAN RUNNERS, lish type, $1 each; 1 American Standard ke, 1 White Runner duck, $1.50 each. e Greve, Thayer, Kan.

NDIAN RUNNER DUCKS FROM IM- ed stock, also American standard bred. e fine ones cheap. Mrs. Frank Higgs, e 19, Idaville, Indiana.

NDIAN RUNNER DRAKES — FAWN White; both light and dark strains, to $3 each. Pure bred Buff Rock kerels, $1 and $1.50 each. Mrs. Annie Kean, Rt. 1, Carlton, Kan.

PIGEONS.

IGEONS—WHITE PLYMOUTH ROCK mers. Maym Parsons, 219 Huntoon St., eka, Kan.

tarily but through necessity, in order to accept the food offered. Naturally the fowls drink but little water, and but a small quantity at a time unless deprived of it for quite a while. When the crop is packed with soft food, and digestion is slow, decomposition begins, being hastened by the animal heat of the body. When the fowl consumes dry food and must seek it, the first portion is digested before the last enters the crop, hence when it drinks there is but one portion of the food eaten moistened, and the crop is never full. This matter has been alluded to before, but it is one which should attract attention and receive consideration. To give soft food when it is necessary to do so is correct, but such food should be given only in limited quantities, and the ground food should be given dry in the trough, if possible, instead of forcing more water on the birds than they really require.

Remedies for Cholera.

1. Equal parts of tincture of opium, red pepper, rhubarb, peppermint, and camphor, well shaken, dose to be increased from 10 to 20 drops several times a day when not immediately relieved.

2. Two ounces each of alum, resin, copperas, lac-sulphur and cayenne pepper; pulverize, then mix three tablespoonfuls of the powder with one quart of corn meal, and dampen for use. This is sufficient for twelve fowls, and may be effectively used either as a preventive or a cure for the former. Once or twice a week is sufficient. Rye or wheat soaked in high wines or whisky is also said to be a good thing.

3. Blue mass and cayenne pepper each one ounce; camphor gum one-half ounce, and a teaspoonful of laudanum, well mixed and made into pills of ordinary size. Give one pill every hour until the purging ceases; also a teaspoonful of brandy morning and evening.

4. Cayenne pepper and prepared chalk, each two parts; pulverized gentian and pulverized charcoal each one part (measurement, not weight). Mix well together and form a paste, with either lamb or sheep suet. Give a pill the size of a common marble once a day and keep in a warm dry place 48 hours.

5. Carbolic acid, one drachm; glycerine, one ounce. Mix thoroughly, adding one quart of water. Of this solution use two tablespoonfuls to one gallon of water, allowing the fowls access to no other water.

The fountains and feed boxes should be disinfected with carbolate of lime, or carbolic acid. The water must be kept cool, plenty of shade provided, and free use of green food indulged in for those not attacked. No food or water with exception of soft or moistened wheat bread in warm milk is needed for the diseased birds.

Several Farm Inquiries.

Answering C. S., Lawrence, Kan.: We would not sow alfalfa in the early spring while the ground is freezing and thawing. The young alfalfa plant will not withstand frost. In our own farm experience several seedings of alfalfa were lost because the seeding was done so early that the young plants were frosted. It is difficult to understand why the young plant should be so easily killed by frost when after the plant becomes older it stands extremely cold weather without harm. I have known of a number of fine stands of fall seeding killed by frost. It seems that the alfalfa plant should reach a certain age or stage in its development before it will withstand frost.

There is no advantage in fattening hogs in close quarters. In fact there is a disadvantage because close quarters are not likely to be maintained in such healthful condition as larger quarters. The fattening hog which is eating well and has the kind of feeds necessary to supply the needs of the animal body will not range to his detriment or more than is advantageous to him.

If Kafir heads have been stacked a month or six weeks the sweating process has in all probability passed. If the Kafir was cut and placed in shock and has been in this condition six weeks or longer, then the heads when stacked would not sweat. Such heads could be threshed any time during a dry spell, provided, of course, the heads have not been wet. It is moisture in the grain and in the stem and fiber of the head which causes Kafir to heat. It is believed that this is so. On the other hand, if the head has stood in the field or in the shock sufficiently long to have thoroughly dried out, the head will not sweat in the stack or the grain will not heat in the bin provided the head or grain has not absorbed moisture from other sources. The Kafir should be threshed when dry and during dry weather and should be kept dry.

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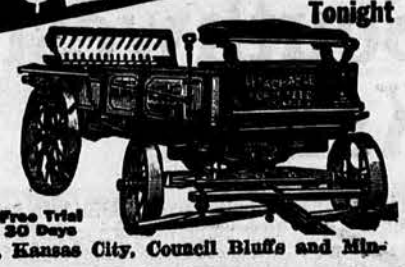

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FOR SALE—SINGLE COMB RED COCKerels, $1.25 each. Mrs. Wilson White, Lexington, Neb.

ROSE COMB RHODE ISLAND RED chickens of the choicest breeding. Write for prices. I. W. Poulton, Medora, Kan.

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SINGLE COMB REDS — WINNERS OF all firsts, Kansas State Show, 1912. Cocks, hens, cockerels and pullets for sale. Moore & Moore, 1239 Larimer Ave., Wichita, Kan.

S. C. RED COCKERELS FOR SALE, INcluding 2d ck. Mo. State, 1-2-3 ck. Pleasanton, Kan., show. May Felton, Blue Mound, Kan.

THOROUGHBRED ROSE AND SINGLE Comb Rhode Island Red cockerels and pullets bred from 93 to 94-point males and hens trap-nested for superior egg production. D. J. Bliss, Carthage, Mo.

TURKEYS.

BOURBON RED TURKEYS—TOMS, $4.50; trios, not related, $10. Jennie Kopf, Beverly, Kan.

MAMMOTH BRONZE TURKEY TOMS, $6 to $8. Hens, $5 to $6. Mary & M. D. L. Gibson, Eureka, Kan.

PURE-BRED MAMMOTH BRONZE TURkeys and Indian Runner Drakes for sale. Sadie Litton, Peabody, Kan.

FOR SALE—BOURBON RED TURKEYS, large, good color. Partridge Plymouth Rocks and Buff Orpington chickens. A. M. Farmer, Pratt, Kan.

BOURBON RED TURKEYS — These are from prize winners. Won the gold bands at Topeka Poultry Show. Lleanora Poultry Farm, Centralia, Kan.

MAMMOTH BRONZE TURKEYS FOR sale. Winners at Wichita State Show. Also registered Scotch Collie dogs. I. P. Kohl, Furley, Kan.

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MAMMOTH LIGHT BRAHMA COCKERels cheap. Have won 60 prizes at large shows. Mrs. Oscar Felton, Blue Mound, Kan.

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WHITE ORPINGTON COCKERELS, large and white, $2. No culls shipped. Mrs. Helen Lill, Mt. Hope, Kan.

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To Order Patterns.—Write your name and address plainly and in full; give number and size of each pattern you want; enclose 10 cents for each number. Address all orders: Pattern Department, Kansas Farmer, Topeka, Kan.

HOME CIRCLE

Value of Butter.

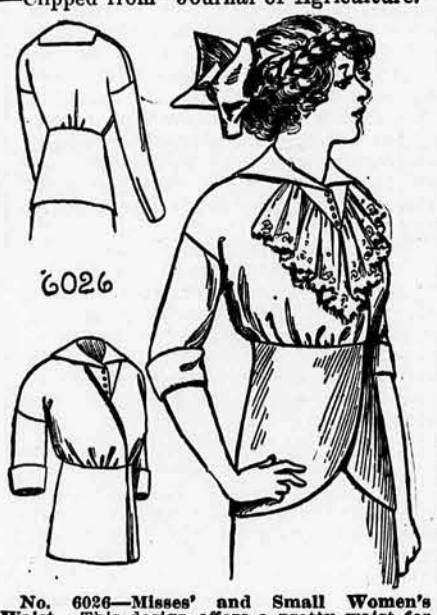
Butter is so common a commodity that people use it without a thought of the wonderful value within the pats of dainty yellow cream-fat. But this delicate fat is as valuable as cod-liver oil for weak, thin people, and doctors have frequently recommended the eating of thin slices of bread thickly spread with butter, as a means of pleasantly infusing into the bodily tissues one of the purest forms of fat. It might be added, that for growing children whose daily romping and playing creates such ravenous appetites, few foods are so valuable as well-buttered bread and crackers. The reconstructive properties of good butter is a strengthener to the little bodies that work so hard at play from early morn 'till dusk.—Clipped from "Journal of Agriculture."

Early Rising on the Farm.

This journal has frequently censured the custom of arising an hour or two before day-break, as a useless and senseless waste of energy. It's the steady, easy, strong pull that counts—and it follows that one must be in what the athletics rightly term "good condition" to consistently and steadily to one's best. We have little patience with those who still consider it a necessary part of farming. The following story of a couple of farmers "way out there in Kansas" easily takes the palm for early rising:

"I reckon," said the first farmer, "that I get up earlier than anybody in this neighborhood. I am always up before three in the morning." The second farmer allowed he was always up before that, and had part of the chores done. The first farmer thought he was untruthful and decided to find out. A few mornings later he got up at two o'clock and went to the neighbor's house. He rapped on the back door and the woman of the house opened it. "Where is your husband?" he asked, expecting to find the neighbor in bed. "He was around here early in the morning," answered the wife, "but I dunno where he is now."—Clipped from "Journal of Agriculture."

No. 4480—Boys' Russian Suit. This little dress is very nice for a boy too small even for the regulation Rusian suit which has trousers. This garment is nothing but a little loose sacque, buttoned at one side and made either of such wash materials as galatea, gingham and the like, or of serge, cashmere, poplin or velveteen. The pattern, 4480, is cut in sizes 1 and 2 years. One-year size requires 1⅝ yards of 36-inch material. Price of pattern, 10 cents.



No. 6026—Misses' and Small Women's Waist.—This design offers a pretty waist for the miss and small woman. It has the fashionable peplum, but may be finished without this if desired. The waist has new turn-down collar and drooping shoulders with short sleeves joined on. These have neat rolled-back cuffs. Silk, serge, messaline and other pretty fabrics will develop the design excellently. The pattern, No. 6026, is cut in sizes 14, 16 and 18 years. Medium size will require 2½ yards of 36-inch material and ⅝ yard of edging. Price of pattern, 10 cents.

6019—Ladies' Empire Dress. This model represents one of the latest types of one-piece dresses. The garment closes at the front and is made with three-piece skirt. The new style turn-down collar is noted and the full length sleeves have rolled back cuffs. The frock is delightfully trimmed with bands of contrasting material. Any of the popular new fabrics may be used in carrying out the design. The pattern, 6019, is cut in sizes 34 to 42 inches bust measure. Medium size requires 4½ yards of 36-inch material and 1½ yards of 27-inch contrasting goods. Price of pattern, 10 cents.

6018—Children's Double-Breasted Coat. In this model we have a pleasing type of double-breasted coat for the child. The design is very easy to carry out and may be developed in serge, cheviot or mixed material. There is the stylish long body and short skirt. The pattern, 6018, is cut in sizes 2 to 8 years. Medium size requires 1⅝ yards of fabric 54 inches wide with ¼ yard of 27-inch contrasting goods. Price of pattern, 10 cents.

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OR SALE—REGISTERED GUERNSEY l, three years old. Well bred. Nicely rked. Price, $100. E. A. Drumm, Cedar le, Kan.

OR SALE—AN ENTIRE DAIRY HERD 40 cows, Jerseys, Guernseys and Hol- ins; all young, with milk records. Will l reasonable. Satisfaction guaranteed. k Hammel, 215 Adams St., Topeka, Kan.

OR SALE—30 HEAD OF REGISTERED ernsey females and 8 May Rose bulls, of them ready for service. Wilcox & bbs Co., Des Moines, Iowa.

OR SALE — REGISTERED JERSEY tle, Berkshire hogs, Bourbon Red tur- s and Buff Rock chickens. C. S. Hart & , Milan, Mo.

OLSTEIN CALVES—SIX CHOICE HOL- n heifers and one bull, fifteen-sixteenths o, three to four weeks old. $20 each, d for shipment anywhere. All nicely rked and from heavy milkers. Edgewood rm, Whitewater, Kan.

OR SALE—TWENTY-FIVE No. 1 DAIRY s, Jerseys, Holsteins and Guernseys; 3 4-gallon cows, 3 to 7 years old. Price, to $80, or a special price for the herd. N. Himelburger, 405 Filmore St., Topeka, n.

OLSTEIN COWS, FRESH SOON. NINE bred cows, four Jerseys and our hand- herd bull, Prince Buchwood DeKol bin. Cows are excellent individuals, all . No better in class to be found. Thirty north of St. Joseph. Allen R. Sim- , Route 3, Stanberry, Mo.

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ANTED—PERCHERON FILLIES FOR acres of famous Portales Valley irri- improved land. Price, $8,000. Might sider other land or rental property. S. A. nb, Portales, New Mexico.

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ALIFORNIA HONEY — SAMPLE, 10c. aflet free quoting prices, freight prepaid. ents wanted. Spencer Apiaries Co., Box , Nordhoff, Cal.

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TWENTY DAYS SPECIAL PRICES ON Duroc Jerseys. Bred sows, gilts, open gilts and boars. R. E. Watson, Altoona, Kan.

EXCELLENT DUROC JERSEY FALL pigs. Cannot be registered. Prices low. Haworth Bros., Galena, Kan.

MULE FOOT HOGS AT PUBLIC SALE from the Indian Herd. The popular prize winning kind. January 14, 1913. Send for catalogue, it tells all. C. L. Tevis, R. R. No. 16, Milroy, Indiana.

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SELL YOUR PROPERTY QUICKLY FOR cash, no matter where located. Particulars free. Real Estate Salesman Co., Dept. 77, Lincoln, Neb.

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FRED BISHOP, COMMISSION MER- chant for the sale of hogs exclusively, Kan- sas City Stock Yards. Write for market re- ports.

WANTED—TO BUY PURE-BRED SHET- land pony. Must be safe for children and not over six or under two years old. Ad- dress with full description and photograph if possible, Box 368, Topeka, Kan.

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SCOTCH COLLIES, AIREDALE TER- riers, puppies, broke male dogs, brood bitches broke and bred. Female puppies to let on shares. W. R. Watson, Box 128, Oak- land, Iowa.

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FOR SALE — HIGH-CLASS HUNTING, sporting, watch and pet dogs. Puppies of all varieties a specialty. On receipt of 10 cents we will mail highly descriptive illus- trated catalog, which gives full information of 49 breeds of dogs, several breeds of cat- tle, sheep, swine, rabbits, ferrets. Price list of poultry and pigeons. C. Landis, Dept. 143, Reading, Pa.

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FIELD NOTES

Richards & Son's Shorthorns and Polands.

J. F. Richards & Son of Bevier, Mo., claim March 19 as the date of their annual sale of Shorthorn cattle and Poland China hogs. Richards & Son are constructive breeders and their offering both of cattle and hogs this year will be one of the best of the season. The present head of their Short- horn herd is Lord Collynie 348445, sired by Imported Collynie 135022. Lord Collynie is a magnificent specimen of the Shorthorn breed. He is right for size and quality, is of the typical beef type, a beautiful red roan color, is a 2,500-pound bull and a proven breeder. The cows of this herd are an extra good lot. They are of the right type. They are all Scotch or Scotch topped and are daughters of such bulls as Village Knight, Riverdale Chief, Sharon Knight, Roan Chief 2d, and other good ones. In Poland Chinas they have one of the great sow herds of the corn belt, among them daughters of such boars as Chief Price 4th, Longfellow, Boxer Chief, Big Wonder, and other noted big high-class sires. The head of the Poland China herd is Pawnee Price 172137, sired by Big Price, by Pawnee Lad. Pawnee Price is one of the great big boars now in service; big bone, fine back, splendid head and ear, extra quality, and a proven breeder. He is assisted by a son, Big Won- der, an outstanding youngster. The bred sows that will go in this sale are extra good. Watch Kansas Farmer for further announcement of this sale.

Frank J. Searle of Oskaloosa, Kan., starts for New York this week to bring home sev- eral carloads of choice young Holstein cows and heifers and a number of extra good young service bulls. These cattle will be landed at the Sunflower Farm within the next 30 days. If you want good Holsteins, go to Searle.

The GRANGE

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Highland Park Elects.

At the annual meeting of Highland Park Grange No. 1507, near Topeka, the following officers were elected: Master, Walter J. Tompkins; overseer, C. B. Buehrer; lecturer, A. B. Smith; steward, J. M. Kessler; assistant steward, H. Ferguson; chaplain, Mrs. A. B. Smith; treasurer, Mr. J. W. Bigger; secretary, E. Leuenberger; gate keeper, M. Dean; Ceres, Miss B. Sims; Pomona, Miss E. Case; Flora, Mr. C. B. Buehrer; lady assistant steward, Miss P. Shawl.

Valley Grange Leads.

Valley Grange No. 736 is not only one of the older Granges of the state, but one of the most progressive. At a late meeting this Grange inaugurated a move- ment which could well be copied by other Granges in the state.

In planning for woman's work in the Grange for the ensuing year, the follow- ing appointments were made by the lec- turer, Mrs. Eve Gasche:

Leader in church and Sunday school work, Mrs. C. M. Cellar; in rural schools, Mrs. W. B. Cellar; in the home, Mes- dames Arnold and Lindsay; in mothers' work, Mrs. Boswell; health and hygiene, Mrs. Howell; in farm home surroundings and sanitation, Mrs. Towne; in girls' home problems, Miss Opal Fields; girl wage earners, Miss Madge Lindsay; in woman's civic duties, Mrs. Glenn.

In carrying out the design to make the Grange a power for good and for progress in the community these com- mittees are empowered to call upon any or all members for such assistance as they may need.

This Grange has adopted for its 1913 slogan "The best work is not too good nor beyond the reach of Valley Grange and Coffey County Patrons," and here- after one-half of each session will be devoted to the discussion of such ques- tions as the members want to bring be- fore the Grange. In this way the live questions, whether of local or general in- terest, can always receive timely atten- tion.

These are long steps in advance and it is to be hoped that they will prove a good example to other Granges.

Green Goods Again.

Far be it from us to offer advice, but may we not make, in a quiet way, the startling and novel suggestion that it would be a good idea for everybody now to begin thinking about his garden? You don't need to be an expert to make your spare land a source of revenue. Neither do you have to know anything about botany to begin raising flowers. Your land is good for something, no matter how unpromising. If you once begin gardening, you aren't likely ever to stop. From things needing no care you will go to others needing a little, and by and by, working in the garden will be more fun than anything you have done since you were a boy or girl. There is a greater in- centive for gardening nowadays than ever before. Fresh produce costs more to buy and home gardens are better than they used to be. There are finer varieties of vege- tables and flowers. It is within the memory of some of our readers that sweet corn and celery and tomatoes came to be generally known; and the flowers of today—how they have come into their own! Sweet peas and asters and cosmos, pansies, giant morning glories, California poppies and all the other poppies, these and many more a generation ago were unknown in their present glory. Think about it. Make your plans now. When ready to plant, get seeds that have been proven by some tried seedsman. Ex- perienced gardeners buy only thoroughbred seeds; they don't waste their time on infe- rior or unknown quality. They depend on some old standby, some firm with experi- ence and a reputation to maintain. But as we said to begin with—far be it from us to offer advice. We merely suggest that you do not let another springtime go by with- out being a part of it.

Mr. J. B. Thiery, the piano and organ man, Milwaukee, Wisconsin, is sending out free, post-paid, his beautiful, new 1913 Art Style Book of Pianos. This book, with- out a doubt, is one of the finest books of pianos ever printed and it shows all the new 1913 Thiery pianos in mahogany, walnut and oak colors. Whether you are going to buy a piano for your home right now or later on, it will pay you to send to Mr. Thiery for this book and his special letter with straight-to-you-prices and easy terms of payment. The book that Mr. Thiery has just issued, contains scores of testimonial letters from homes that have just purchased direct from him, telling of savings and satisfaction that will interest any home in the market for a piano. If you are not a cash buyer, he will give you from two to three years' time to complete payment and arrange the payments at times of the year when it is most convenient for you to make them. His full page advertisement appears in this issue and if you are ever going to buy a piano, it probably will pay you to write to him at once for his style book and special price list.

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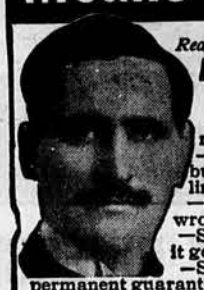

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of my exceptionally low prices and why I can under- sell everybody on engine of equal quality. It also explains what a good engine should be and how much to pay for it. Write for book today, learn these things for yourself and get my special 1913 propo- sition and prices. Write NOW, before you forget it.

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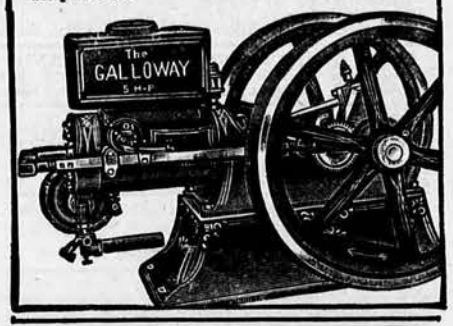

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In each County. A permanent, profitable busi- ness selling the famous Seelye Products, includ- ing Wasa-Tuna, Pro-Zona, Ner-Vena, Healo- Derma Soap, Universal Condition Powders, Killa-Germ, (Disinfectant) and 72 other Seelye Household Specialties. Our Salesmen average

$100 TO $300 A MONTH

Steinford saved over $10,000 while selling Seelye Preparations. Dayton sold $1,660 worth first ten weeks. NO RISK. Goods furnished on credit to ambitious man of char- acter who can furnish two responsible guaran- tors. Sales experience un- necessary. Write today.

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404 Seelye Bldg.,
ABILENE, KANSAS.

The Right Silo at the Right Price

Do you want the best Silo for the least money? We sell direct from factory to farm. Price, quality and satisfaction guaranteed. Write today for free booklet and price list.

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1515 Genesee St., Kansas City, Mo.
272 Endicott Bldg., St. Paul, Minn.

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WHEN IN NEED OF SUPPLIES.

The Southwick Auto Supply Co.,
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Topeka, Kansas,

Distributers for Rayfield Carburet- ors, Goodrich and Michelin Tires and Leak-Proof Piston Rings.

OUR SPECIALTY.

Three-Cell Flash Lights.....$1.00

THE GENUINE
Rocky Ford
MELON SEED
We Grow Them. Write for Catalogue
The Ebbert Seed Co., Rocky Ford, Colo.

ALFALFA SEED, $6.. Timothy and clover mixed, $4.50. Will ship C. O. D. Farms for sale and rent on crop payment.
J. MULHALL, Sioux City, Iowa.

KANSAS STATE UNIVERSITY LIBRARIES

"WEST RIVERSIDE STOCK FARM" WILL BE SOLD AT AUCTION, JAN. 22

It is located about 65 miles west of Wichita, Kan., in eastern Harper County. It contains 160 acres: 145 acres best alfalfa bottom land, rich, deep soil; 50 acres growing wheat; 30 acres alfalfa; 15 acres pasture, balance for spring crop. Well watered by living stream. plenty native shade for stock, fenced and cross-fenced hog-tight. This farm is in high state of cultivation and produces immense crops. One mile to school, 1½ mile to grain elevator, 4 miles to market. If you are in the market for a highly improved farm, you cannot afford to overlook this proposition. I am leaving the country, and will make my future home in Kentucky, and must sell this farm in order to close a deal there. No by-bidding here. I absolutely guarantee everything strictly on the square. All stock and implements sold after the farm, giving the purchaser a chance to restock the farm at once if desired. I will also sell on the same date my fine herd of Durocs—30 bred sows and gilts, 20 fall and summer males and gilts. Twenty-five head of the sows are bred to the great breeding boar, Graduate Col. 28279a. Terms, half down, balance time if desired. Send for catalog. Remember the date. **H. E. FISHER, OWNER, DANVILLE, HARPER CO., KANSAS.**

BARGAINS IN LAND

Write New Home Land Co., Springfield, Mo., for lists of farm lands.

FIFTY JACKSON CO. FARMS—The never failing part of Kansas. Well improved, $75 per a. and pu. **Wm. Harrison, Whiting, Kan.**

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

CORN, WHEAT AND ALFALFA LANDS and stock ranches, $10 to $15. Also city property. **Winona Land Co., Winona, Kan.**

Virginia Farms and Homes

Free Catalog of Splendid Bargains.
R. B. CHAFFIN & CO., Inc., Richmond, Va.

ALFALFA, $6. Timothy and Clover, mixed, $4.50. Farms for sale and rent on crop payments.
J. MULHALL, Sioux City, Iowa.

345 A. at inland town, 6 mi. R. R.; 200 a. cult., bal. timber; abundant water; cross-fenced; fair imp.; fruit; fine stock farm. $20 a., one-third cash, bal. to suit.
J. D. AVERY, Owner, Mansfield, Mo.

Nine stone apartment houses within two blocks of postoffice, modern, bringing an income of $1,632.00 per year. Will sell at bargain. For particulars write
HARRY PIERCE, Junction City, Kansas.

OUR RED LETTER SPECIAL.
Will trade your property. Get into touch with live wires. Guaranteed deal. List today. Write for particulars. **MID-WEST REALTY EXCHANGE, Riverton, Nebr.**

150 THOUSAND ACRES
Black loam farm land in Texas. Price, $7.00 to $10.00 per acre. Full description and testimonials furnished free. Write me today.
E. M. GIFFEE,
Blossom House, Kansas City, Mo.

KINGMAN COUNTY KANSAS RANCH 1,120 a. solid body, 350 cult., 500 bot., fair blds., near market; price $32.50, half cash, bal. at 5 per cent. **JOHN P. MOORE LAND CO., Kingman, Kansas.**

Being past 70 years of age I offer for sale my corn mill and flour and feed business in Pittsburg.
L. BELKNAP, Pittsburg, Kansas.

"ARKANSAS FARMS"

For high-grade farm, timber and nice lands, write
J. N. JAGGERS, Walnut Ridge, Ark.

FORCED SALE—Six smooth quarter sections best wheat and alfalfa land, Wichita Co., Kan. Price, $6.25 per acre. Excellent opportunity to double your money in twelve months.
D. F. Carter, Bonded Abstracter, Leoti, Kan.

152 ACRES of Black Limestone Land, 90 acres in cultivation, balance pasture and mow land; 5-room house, cave, barn, granary, chicken houses, two wells and pond, 30 acres in growing wheat. Price, $6,000, to close out a partnership. Half cash, balance long time.
ELLIS & MORGAN, Coffeyville, Kan.

BARGAINS.
160 acres.....$25 per acre
160 acres.....$20 per acre
80 acres.....$30 per acre
J. D. RENEAU,
La Cygne, Kansas.

GREENWOOD COUNTY HAY LAND.
420 acres, 7 miles of Fall River. Good fencing, 50 acres cultivated, balance all fine grass; 3-room house; about 30 acres timber in one corner; everlasting spring water; black, rich soil, lays nice; close school. $22.50 per acre. 250 acres used as meadow. This is the making of a fine combination farm when improved. The hay crops in 5 years will pay for the land. Is owned by non-resident, hence low price buys this if sold soon. Half cash, balance time and terms to suit. **W. A. Nelson, Real Estate Salesman, Fall River, Greenwood Co., Kan.**

FOR SALE QUICK

A Well Improved 235-Acre Farm, 4 miles of Garnett, Kan., at $36 per acre. Also 156-acre farm, 2½ miles of Garnett, Kan., at $7,200; good improvements. Must be sold at once. Don't wait to write.

ACT QUICKLY FOR THIS.
SPOHN BROS., Garnett, Kan.

HAVE SEVERAL very fertile relinquishments of 160 acres each, prices from $450 to $750, well located and partly improved. No trade. **Kingery Realty Co., Kingery, Kan.**

ARKANSAS FARM—318½ acres within 250 yards of Prairie Grove, on the Ozark branch Frisco. Splendid for live stock and unsurpassed for all the cereals. Worth $100 per acre. Present price, $20,000.
DAVID W. ADAMS, Prairie Grove, Ark.

180 Acres Fine Land—Nicely improved, within 1½ miles of Pleasanton, Kan.; $55.00 per acre. 240 acres near Mound City, Kan., at $45.00 per acre. These are exceptionally good bargains. Big list of bargains. Write,
A. E. ROOT, Pleasanton, Kan.

EASY TERMS, LONG TIME—Two 80-acre farms adjoining; Johnson Co., Kan.; 30 miles Kansas City. Must sell quick, $85 per acre. All smooth and tillable, close to school and town.
W. E. TISDALE, Spring Hill, Kan.

TWO BARGAINS.
100 acres near Olathe, well improved, fine, $110.00 per acre.
Fifty-seven acres, improved, best of Kaw bottom land, greatest bargain in the county, AT KANSAS CITY'S DOOR. Write for lists.
T. H. MILLER, Olathe, Kansas.

MONEY MAKERS AND GOOD HOMES.
Lands in Oklahoma, Texas and Kansas for sale. No trades. But city property and stocks of merchandise to exchange. Special bargain list.
J. F. BRADSHAW,
P. O. Box No. 46. Lenexa, Kansas.

MAKE MONEY in the Dairy and Poultry business. Come to Mountain Grove, Wright County, Mo. The coming Dairy and Poultry country of the southwest. Good farm land cheap; mild winters, fine water, fine grass, good health. Write for descriptive literature. **NEIGHBORS & FRISBEE, Mountain Grove, Missouri.**

FOR SALE.
320 acres sub-irrigated, one of best grain and sheep ranches in the San Luis Valley; 52 in water right. Price, $70 per acre, half cash, balance at 7 per cent.
THOS. L. BODEN,
Box 1032, Station A, Pueblo, Colo.

$1.75 PER MONTH
For ten months buys level, well located lot in Plains, Kan. A gilt-edge proposition for those who act promptly. Only a few to be sold at this price. Send $1.75 first payment, or write for complete list. ACT QUICK. **JOHN W. BAUGHMAN, Drawer B, Plains, Kan.**

117 ACRES, located 3½ miles of good railroad town; 5-room house, barn 30 x 40, good outbuildings, two never-failing wells, all the land is tillable, 20 acres bluegrass, remainder in cultivation. Price for 20 days, $62.50 per acre. Terms to suit. Do not wait to write, but come at once.
MANSFIELD, Ottawa, Kansas.

EASTERN KANSAS FARM BARGAIN.
Ninety acres, 1 mile from railroad town; 65 acres in cultivation, 5 acres in orchard and grove, balance pasture and meadow; smooth land; 5-room house, stable for six horses, corn crib, hen house, hog and cattle sheds, plenty of good water, 1 mile to graded school, R. F. D. and phone line. A snap. Price, $3,600.
J. C. RAPP & CO., Osage City, Kansas.

FOR SALE—To settle estate, improved farm, 160 acres, near this town. Address
L. BELKNAP, Exec., Pittsburg, 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.

FOR EXCHANGE

WE TRADE OR SELL ANYTHING ANYwhere. The Realty Exchange Co., 18-22 Randall Bldg., Newton, Kan.

EXCHANGE that mortgage for my equity in 80 a., with 6-room house, barn, well, chicken house, 50 a. cul., 75 can be, some alfalfa, all fenced. Mortgage $3,500, at 6 per cent; equity, $3,000. School 1⅛ miles, town 3¾ miles, in Saline County. **ED A. DAVIS, Minneapolis, Kan.**

EXCHANGES EVERYWHERE. Get our fair plan of making trades all over the United States. **Graham Bros., El Dorado, Ks.**

QUEEN ANNE COTTAGE in Kansas City, Mo., well located, strictly modern, to trade for small farm. Write
TRIPLETT LAND CO., Garnett, Kansas.

Fine Quarter Irrigated Land in famous San Luis Valley, Colorado. Abundance of water guaranteed. Will exchange for general stock.
R. G. McCOY, Formoso, Kan.

EXCHANGE—230 acres with $3,000 mortgage for clear land in or near Rooks Co., Kan. Good H. B. W. and well located. 140 acres under plow, balance pasture with some stone in same. **J. W. Haggard Land Co., Mound City, Kan.**

WILL EXCHANGE TEXAS GULF COAST LAND
In the rain belt, in tracts of 160 acres and up, for well located wheat lands in Kansas. Will not entertain any inflated values. Send us description of what you have for trade and state size tract you want in exchange.
D. F. BOYLES & COMPANY,
803 Union Nat'l Bank Bldg., Houston, Texas.

FOR SALE OR TRADE.
240 acres in Wilson County, Kansas, 7 miles from the county seat; 60 acres in cultivation, 60 acres prairie meadow, balance pasture. 320 acres, 2 miles from town; small house and barn; 140 acres in cultivation and balance pasture. Would trade either one or both for a good stock of merchandise. **Long Bros., Fredonia, Kan.**

For Sale or Trade

640 acres. Good pasture lands. Every foot can be put under plow. All fenced. Barn. Good house. Wells, tanks and wind mills. In Lincoln Co., Neb., four miles from Burlington railroad. Would take small farm in exchange or a general merchandise stock.
L. D. LOEVY, Norton, Kansas.

FIELD NOTES

Northwest Missouri Breeders Organize.

The breeders of pure-bred stock of several counties of Missouri recently perfected the organization of a pure-bred live stock sale association of Northwest Missouri. U. S. Shackleford of Gallatin was elected president, and W. D. McDonald, also of Gallatin, was elected secretary of the organization. Col. Thomas E. Deem, the well known pure-bred stock auctioneer of Cameron, was selected as sales manager of the association. It is the purpose of the organization to promote sales of pure-bred stock of all breeds, and their first sale will be held some time in February, either at Trenton or Cameron, Mo. The first sale will be a consignment of registered horses and jacks, and Mr. Deem expects to have an offering of at least 50 head for this sale. Anyone having registered horses, mares or jacks can consign their stock to the association sale. However, nothing but pure-bred stock will be accepted. Anyone wanting to consign stock should write Mr. Deem at Cameron at once. There is every prospect that the effort of the association will be successful and that it will be of vast benefit to small breeders who are not justified in holding individual sales. The officers of the Association are men of experience in the breeding business and are men of unquestioned integrity. Col. Thomas E. Deem, the sales manager, is one of the leading pure-bred stock auctioneers in the business. He has had years of experience and phenomenal success as a salesman, and breeders could not consign stock to a more efficient manager.

The Sheep Breeders' Association elected these officers: President, E. D. King, Burlington; vice-president, L. B. Streeter, Wakefield; secretary and treasurer, G. C. Wheeler, Kansas Agricultural College.

6 H-P

Here's the most reliable 6 H.P. engine in Ame I absolutely know that it will wear longer an more work than any other engine of the same you ever used. That's why we can say to TAKE IT — USE IT. Send us just one-half of the purchase price or

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If you are thinking of buyin engine, any size from 1½ to 12 don't invest a single dollar u you get our prices—the lowest ever heard of—and our big 48 four color Special Engine Catalog. It will save from $20 to $100 sure. FREE—Send for it today. Addr

GEO. E. LONG, General Manager,
OTTAWA MANUFACTURING C
603 King Sreet, Ottawa, Kansas.

J. P. Mast of Scranton, Kan., is offerin few choice registered Holstein cows a heifers for sale. Please write for pric Mention Kansas Farmer.

W. F. Davis' Annual Hampshire Bred S and Boar Sale.

W. F. Davis of St. Joseph, Mo., owner the largest herd of Registered Hampsh hogs in the world, has claimed Februa 18th as the date of his annual sale Hampshire bred sows and boars. On t date in the sale pavilion at South St. Jose Mo., (stock yards) Mr. Davis will sell t largest consignment of bred sows and bo of any breed that has ever been sold any breeder of pure bred hogs in the c belt. The sows and boars to go in t sale are the select tops of Mr. Davis' he

numbering about 600 head. The offerin will consist of 150 bred sows and 40 bo ready for service. The majority of t sows in this offering are the daughters a grand daughters of Pat Maloy, No. 14 the world's championship boar, and are the same blood lines and are bred equa as good, and are as good individuals Silvia 1st, No. 16316, that sold in Mr. Da 1911 Bred Sow sale to C. A. Brook Washington, Iowa, at $190.00. There also be sows offered in this sale that daughters and grand daughters of G Gem's Model No. 4397 the present head this great herd of Hampshire hogs and of the famous boars of the breed. Am the boars to be sold are grandsons of P Maloy. They are a big rugged high class of boars and are just in condition to go and make good.

FRANK IAMS' 1912 TOPNOTCHERS

AMS AND PEACHES AND CREAM PERCHERON PARIS WINNERS.

Are the real "medal winners"—sensational show and business horses of note, "ripe peaches" from the "select 400." Big, classy "Peaches and Cream"—"Black Boys." The "Iams Brand" of drafty "top notchers." Iams' 1912 importation of Percheron and Belgian stallions and mares has arrived by "special train." "Ikey Boy," smile sweetly, and hundreds of Iams' satisfied customers "will sit up and take notice" that Iams, the "King Pin" horse importer, is still "doing business" at the "old stand" (and good for 50 years). Iams is "pushing" his horses to the front. The big "Peaches and Cream" "Boys and Girls" are attractions that can't be overlooked. Iams mesmerizes buyers with "real drafters" at "bargain prices," and having the "horses as advertised," Iams' "competitors" and "hammer knockers" are "boosting Iams" by their "knocks," until now he is known as the "Millionaire Horseman," and on "Easy Street," and growing fast. Ikey, "Come on along, come on along," and sing Iams' song. He is selling these "aristocratic," fancy "Black Boys" cheaper than ever—or better horses for less money—$1,000 and $1,400 (few little higher). Iams has

100---PERCHERON AND BELGIAN STALLION AND MARE---100

They are "Models"—"Humdingers." They are 2 to 5 years old, weigh 1,700 to 2,500 lbs.; 80 per cent blacks, 50 per cent ton horses. All "registered," approved and inspected by Governments of France and U. S. and certificates "stamped O. K." All "sound," "bell-ringers" ("Iams' kind"—need no "State Law" to make "them sound"). Many "prize winners" and "gold medal horses." Big, drafty "top notchers," with big bone, quality, style, finish and action to burn. They are "Eye-openers." Larger and better horses than seen elsewhere. Big "business propositions" that make "the wheels work fast" under a "buyer's hat." "Georgie, dear," Iams made a "big killing" by buying his horses in Europe in October, 1912. "Dry weather," "bad crops," "close money," "war scare" and "Iams' cash" caused the "prize winners" and "tops" to be thrown on the market for a "good selling."

"IAMS 'CUT THE MELON' AND BOUGHT 'RIPPERS'"

at "knockout prices." Iams will give his customers the benefit of his "good buy." "Ikey, boy," come on down town—get into Iams' Get Rich Wagon" and save $1,000 on a "top stallion." Everybody is doin' it" (and you wear the diamonds). Iams is a "big fly in the ointment" in the horse world. "He keeps the Gang guessing." "He is up-to-the-minute." Iams' "daily horse show" will be a day of "profit and pleasure," and worth going 2,000 miles to see. Iams sells only "prize winners" and best big drafters. He sells no "International tail-ends." No "auction stuff" or "peddlers' horses." No American so-called full-bloods with questionable breeding (only imported horses). Iams has the "crack stallions and mares" you "read about." Buy horses of Iams and you won't "get stung" in horse or price. "Dolly D," waltz me around once again "Ikey;" land me at Iams' box office and importing barns. Full to "the roof" with "Black Boys" (and all must be sold). Reduced prices. All the world knows Iams and his "Peaches and Cream" horses. 1912 was Iams' best business year. 1913 promises to be a bumper year to Iams and his customers. He saved $300,000 to stallion buyers in 1912. Watch "Iams' smoke." Iams' 30 years of successful business makes him a safe man to do business with. Iams sells horses "on honor." A boy or a lady can buy as cheap as a man.

IAMS, THE "SQUARE DEAL" HORSEMAN

makes every statement in ad. or catalog good—or you get the $500 he hangs up. Iams guarantees to sell you a better imported stallion at $1,000 and $1,400 (few higher) than are sold to stock companies r $2,500 to $5,000. Imported mares, $700 and $1,000. Iams gives 60 per cent breeding guarantee; pays freight on horse and fare of one buyer. He can furnish $1,500 surance at cost. IAMS buys and sells every stallion himself. Saves buyers $1,000 in commissions and middlemen's profits. He buys stallions by "trainload." He eaks the languages—(saving 20 per cent). He is not in the "Stallion Trust." He pays no "Slick Salesman" a commission to help "do you." He has no 2 to 10 part-rs—to share profits. He "pays cash" for his horses—and sells "top notchers" by "hot advertising" and having "the goods." "Bik Ikey," leave your "happy" home and y a "top" stallion or pair of imported mares (of Iams) that bring colts that sell at $500 each. Papa," don't let those "auction men" "hand you a lemon" in one of ose "so-called" "American full-bloods" of questionable breeding. Buy an imported horse of Iams, the "reliable horseman." Then we will "all wear diamonds." Iams' elling clothes" fit all buyers. Write for Iams' million-dollar horse catalog. Iams won't let you go without a Peaches and Cream stallion or mare. "He sells the tails them." Iams' guarantees are backed by "half-million dollars." References—1st Natl. and Omaha Natl. Banks, Omaha; Packers Natl. Bank, So. Omaha, Citizens State, t State and St. Paul State Banks, St. Paul, Neb. Iams buys big ad space because it is cheaper than flannel-mouthed horse salesmen.

ST. PAUL, NEBRASKA.

Dispersion Sale of PERCHERON STALLIONS AND MARES

Will Be Held at McMullen's Sale Pavilion, Commencing at Noon,

BUTLER, MO., WED. JAN. 15, 1913

18 — Registered Stallions and Mares — 18

Weanlings to seven years old—every one a good one—only one slight blemish on any animal in the lot. These mares were reserved from my sale last year for the farm work and are the tops of my herd. Ten head are three to seven years old, weigh from 1,700 to 2,000 pounds, extra large bone and have been in the harness all summer. All are in foal to Harry G., the top of our stallion offering.

Harry G. is a black two-year-old—weighs a ton—and is sired by a half brother to the champion, Casino.

This offering presents unusual value for the farmer as well as the breeder. Strong Brilliant breeding.

No catalogs issued. Certificate of registration in Percheron Society of America furnished with each animal sold.

J. W. BARNHART, BUTLER, MO.

The West's Largest Importing and Breeding Establishment.

IMPORTERS AND BREEDERS OF

Percheron Belgians and Shire Stallions and Mares.
120 Head to Select From.

Our stallions and mares are strong and massive, with great quality, style and conformation, with splendid color and dispositions. They are selected with an eye single to the wants of the most critical American buyers, and we can sell them for less money than any one in the business, quality considered. The stallions will go into any community and command the best mares, command the men who are the best pay and who take the best care of their stock. Let us know your wants. We can suit you in both price and quality.

L. R. WILEY, EMPORIA, KANSAS

PIONEER STOCK FARM HORSES AND JACKS.

Percherons, Belgians and German Coach stallions and mares, also mammoth jacks. Five-year-old horses weighing from 2,100 to 2,250 pounds; two-year-olds from 1,650 to 1,975; yearlings weighing 1,425. We have an extra good lot of big, high-class jacks. We give a safe breeding guarantee with every animal and we price our stock well worth the money. JOHN W. WADDILL, Brashear, Missouri.

Long's Great Offering of MASTODON POLANDS

At Harlan, Iowa

FRIDAY, JANUARY 24, 1913

THE SENSATIONAL OFFERING OF BIG-TYPE BRED SOWS OF THE SEASON.

Nine tried sows, 33 fall gilts and 24 spring gilts that are right in every way—strictly big type.

Tried sows sired by A Wonder and out of Lady Mastodon 85th, she by Columbia Chief 2d. Tried sows by A Wonder and out of Lady Mastodon 79th, she by Longfellow B.

The great sow, Lady Mastodon 90th, by A Wonder, dam Lady Mastodon 85th, will go in this sale.

Fall gilts sired by Mastodon Leader, dams A Wonder sows. Fall gilts by B Wonder and out of Duchess bred sows. Spring gilts by B Wonder and Mastodon Leader and out of Mouw bred sows. This will be the greatest offering in the history of Maple Hill Mastodon Poland herd. Some of the offering bred to B Wonder by A Wonder, some to Mastodon Leader by Mastodon Sign; others to Black Surprise by Gold Metal by Bell Metal, three of the great boars now in service.

Bids sent to fieldman or auctioneer in my care will receive careful attention. Write at once for catalog, mentioning Kansas Farmer. Catalogs sent only on application.

JAS. G. LONG, Harlan, Iowa

W. J. CODY, Fieldman

W. H. COOPER and N. G. KRASCHEL, Auctioneers.

HORSES AND MULES

First and Grand Champion Belgian Stallions at American Royal, 1912, owned and exhibited by J. M. Nolan at Paola, Kan. Our barns are filled with Percheron, Belgian, French Draft and Coach Stallions, imported and home-bred, priced to sell. Come and see me. We can deal.

J. M. NOLAN
Paola Kansas

REGISTERED JACKS

For Sale—Big, heavy-boned, smooth, well marked fellows. Some of them sired by the noted $2,000 Missouri King that I formerly owned. Also have limited number of jennets for sale. We claim to own and have on our farm one of the best jennets in America. If we fail to convince you that ours are as good as can be found anywhere, railroad fare will be refunded. Fullest guarantee with every sale.

T. E. COLLINS, Belleville, Kansas.

DIAMONDS IN THE ROUGH

I am offering for sale at very low prices a fine lot of young Percheron, Belgian, French Draft and Coach Stallions. These horses are not fat, but in good, thrifty condition and will make good. Come and see me.

C. F. RICKETS, Paola, Kansas.

TWO PERCHERON STALLIONS, home-grown, registered, big ones; extra bone; 2 and 3 years old. Trains direct K. C., St. Joe. FRED CHANDLER, Route 7, Chariton, Iowa

PRIVATE DISPERSION

FOR SALE PRIVATELY

One extra heavy-boned black herd jack, 15½ hands high; one yearling jack; two large, fine jennets, and three registered Percheron mares.

This stock is first class and will be priced for quick sale.

O. A. SCOTT, Athol, Kansas.

Imported and Home Bred Stallions and Mares

PERCHERONS—BELGIANS—SHIRES

Percherons—Belgians—Shires

The best importation we ever made is now in our barns ready for inspection. The mares include some of the best fillies that came out of the Perch this year. See what we have before buying elsewhere.

Address, HART BROS., Osceola, Iowa.

JACKS AND JENNETS

17 head large mammoth black jacks for sale, ages from 2 to 5 years; large, heavy-boned, broken to mares and prompt servers. Prices reasonable. Come and see me.

PHIL WALKER,
Moline, Elk Co., Kansas.

HORSES AND MULES

Jacks and Jennets

For Sale—25 head of large black jacks, from 3 to 6 years old, and a few jennets. My prices are very low to close these out. My barns are right in town. Come and see me.

J. C. KERR, Wichita, Kan.

J-A-C-K-S

Prize-winning jack, Black Dillingham. Also extra good 2-year-old jack, four extra good jennets, one Percheron stallion, and the great stallion, Sir Roderick, a grandson of Assistus, the sire of many fast ones. Also the great saddle stallion, Top Squirrel. Livery stock for sale. All priced right to close out.

A. B. DEAN, Dearborn, Mo.

STALLION, MARES AND JACK.

Have one 6-year-old and two 2-year-old stallions, registered in the Percheron Society of America. These horses are built right. You will be pleased with them. Want to sell one. Take your choice. Also four brood mares and one weanling filly, registered as above. Want to sell two. Take your choice. Have bred Percherons for six years. Also one black jack with light points, five years old. Will price him right for cash or will trade him for other property. Write for particulars.

H. M. STEPHENS, Munden, Kansas.

Mammoth Kentucky Jacks

Nine black, mealy-nosed, heavy-boned fellows, 6 months to 7 years, weighing up to 1,000 pounds, and 15 hands high. Also 15 jennets, all ages. Inspection invited.

A. ALTMAN,
Almena, Norton County, Kansas.

HOME-BRED STALLIONS $275 to $650. Imported stallions $700 to $1,000, two higher. All draft breeds. Reference: Any banker in Creston.

FRANK L. STREAM,
Creston, Iowa.

AL. E. SMITH STOCK FARM.

Black Mammoth Jacks and Jennets, Percheron Horses. You will find what you want in large boned, registered, 15 to 16 hands standard. Special prices on fall sales. Both phones.

AL. E. SMITH, Lawrence, Kan.

EXCELSIOR SHETLAND PONIES.

Registered stock. Ponies for sale, reasonable prices. Spotted and solid colors. W. H. Fulcomer, Belleville, Kan.

SHORTHORN CATTLE

PEARL SHORTHORN HERD.

One of the oldest and strongest herds in the west. Scotch and Scotch-topped. Reds and roans. Good individuals and tracing to noted ancestors. Choice young bulls for sale. Sold out on females. Can ship over Rock Island, Santa Fe or Missouri Pacific. Inspection invited.

C. W. TAYLOR, Abilene, Kan.

Young Shorthorn Bulls

Some pure Scotch, others with several Scotch tops. Nice reds, old enough for service. Few cows and heifers, and 25 big-type Poland China fall pigs, both sexes. Nothing but good individuals shipped.

S. B. AMCOATS, Clay Center, Kan.

C. S. NEVIUS' HERDS

Shorthorns and large-type Polands. The home of the great bull, Searchlight, and herd boars, Designer and Major Look. A choice lot of young stock for sale at reasonable prices. Write your wants.

C. S. NEVIUS,
Miami Co., Chiles, Kan.

Shorthorn Bulls For Sale

Three good bulls, thick-fleshed and nicely bred, 12, 14 and 15 months old. Prices, $75 to $100, for quick sale.

JEWELL BROS., Humboldt, Kan.

TENNEHOLM SHORTHORNS.

Have for sale a 15 months Red Scotch bull, a choice, blocky, wide one. Also two February bull calves from extra good milking dams. Am pricing them low. Need room for younger ones. E. S. Myers, Chanute, Kan.

AUCTIONEERS.

Missouri Auction School.
(Largest in the World.)

The school that gives you practice in actual sales in their own auction rooms. Next term January 5, at Kansas City. Address

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14th and Grand Ave., Kansas City, Mo.

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LAWSON, MO.

Pure-bred Stock Auctioneer and General Salesman. A number of years experience. Terms reasonable. Write me for dates for fall sales.

FIELD NOTES

F. J. Searle, owner of the Sunflower herd of Holsteins at Oskaloosa, Kan., writes: "The small advertisement in Kansas Farmer sold the bull. Mr. G. M. Frisbie, Kingman, Kan., got him."

Made Good Sales.

I have made several good sales of Holsteins through my last advertisement in Kansas Farmer, and will send you another order soon.—T. M. EWING, Independence, Kan.

Cochran's Shorthorn Sale.

The sale of Shorthorns announced in Kansas Farmer last week to be held in Lamer's sale pavilion at Salina on February 6 will be made by G. C. Cochran & Son of Plainville, Kan., who are among the oldest and most successful Shorthorn breeders in that region. Something good may rightly be expected in this sale.

Great Boar to Kansas.

J. L. Griffiths, the Riley, Kan., Poland China breeder, with his characteristic ambition to own the best, has just bought from a noted Iowa breeder an outstanding young son of Long King's Equal. His dam is the great sow, May Wonder, by A Wonder 47460. The pig is an unusually choice individual and has been christened King of Kansas.

Monnesmith on the Job.

W. E. Monnesmith, the old reliable and enthusiastic Duroc Jersey breeder located at Formoso, Kan., is back on the job with one of the best offerings of Duroc bred sows that he has ever had for one of his sales. The sale is to be held Wednesday, January 29. The sale will be held on the farm, as usual, and the sows will be presented in the fine breeding form that insures such good results at farrowing time. Write now for catalog.

Harter Preparing for Sale.

J. H. Harter, the veteran Poland China breeder of Westmoreland, Kan., is making preparations for his annual bred sow sale to be held at the farm on February 18. Mr. Harter has been on the job so long that he feels the need of rest, and for this reason is selling off very close this winter, and as a result is cataloging nearly all of his great old sows, sows that have never before been offered for sale at any price. Mr. Harter has enjoyed a fine trade in boars the past fall and is all sold out except a half dozen June boars. These are extra choice and they are being priced very low in order to close them out quickly.

Peter Schuttler's Hundredth Anniversary.

In 1913 the Peter Schuttler Company will celebrate the one hundredth anniversary of the birth of Peter Schuttler, founder of the great institution that still bears his name. Seventy years ago (in 1843) Peter Schuttler started building farm wagons in a little shop on the corner of Randolph and Franklin streets in Chicago, which was then a small village only six years old, with a population of about 3,800 people. He built the old reliable Peter Schuttler wagons with his own hands and was one of the pioneer farm wagon builders in the United States. The first wagon that crossed the great plains of the west were built by Peter Schuttler. He also built the wagons used by the Mormons in their migration to Utah. Three generations of his sons and grandsons have grown up in the same business, and for over 70 years the business has been in the one family. It is still under the active personal management of Peter Schuttler's grandsons, who are all practical, progressive wagon builders. The factory was swept away in the great Chicago fire of 1871, and a new plant was erected at Clinton and Monroe streets, which was the largest and most modern of its time. In 1902 the present large plant was built. It is one of the largest in the world, covering over 20 acres of ground, and is equipped with every labor-saving device that will do the work as well as by hand. The great lumber yards of the Peter Schuttler Company, in which five years of lumber supply is constantly drying, are celebrated throughout the world.

Music in the Home.

Most parents cheerfully agree that no expense and no effort are too great if they will serve to keep the children contented at home. In many homes parents have met these problems by the purchase of a Victor or a Victor-Victrola, and either of these instruments will richly satisfy all the musical needs of any home. It will provide the music of bands and orchestras, and will also fill the home with every kind of song. It will sing the little tot's beloved Mother Goose rhymes and other children's favorites, and it will raise a laugh with its minstrel records and descriptive specialties. City friends may write of the glorious voices of great singers—Caruso, Melba, Tetrazzini and others—who they have heard, and with a Victor or Victrola these very same artists can be heard in the most distant farmhouse in the land. Every kind of music and every prominent musician and singer may be heard clearly and easily, with no need for music lessons and no time spent in music practice. By means of the Victor and Victrola the children in thousands of homes have been trained to enjoy the best music of the world, and have had their emotional natures refined and cultivated in the right way by great music. Innumerable boys and girls have stayed contentedly in the security and happiness of their own home life, instead of rushing off to the fascinations of the cities. The Victor and Victrola have been a godsend to many homes, and all who are considering the problem of music in the home should make it a point to find out about the Victor Victrola, the most versatile and the most wonderful musical instruments of modern times. The Victor Talking Machine Co., Camden, N. J., will, upon request, send their handsome illustrated catalogs, showing the different style instruments and containing pictures of the world's greatest singers and musicians who make records exclusively for the Victor; and any Victor dealer will gladly play for you any of the more than 3,000 selections listed in the Victor Record catalog, and thereby clearly demonstrate to you these wonderful instruments.

How Do You Buy Farm Tools?

This is the time of the year when farmers buy axes, hammers, bits and braces. How do you buy your farm tools? You take chances when you simply ask your dealer for a hammer, an axe or a tool of any kind. If the article turns out unsatisfactory you might get your money back—you might—if the dealer thinks he can also get his money back. That's taking a chance. Now, you can buy the finest tools in the world by simply asking for Keen Kutter tools. Your dealer buys these tools on the express guarantee and understanding that if he sells you anything bearing the famous Keen Kutter trade mark that is not absolutely perfect, he will cheerfully refund your money, and we, in turn, will protect him. This couldn't be done if the Simmons Hardware Co., of St. Louis, Mo., makers of Keen Kutter tools, was not thoroughly confident about the quality of his wares. Our readers can be assured that when they buy Keen Kutter tools they have bought the best, with an unqualified money-back guarantee in case of the slightest defect.

Herd Boar for Sale.

Huber J. Griffiths, Poland China breeder of Clay Center, Kan., writes that he is all sold out on boars and bred gilts, and asks to change his copy. He now offers his great breeding boar, Colossus Pan, because he has used him two years in the herd and is keeping a lot of his gilts. Colossus Pan was one of the famous Over Pan litter that sold in T. J. Dawes' sale two years ago. He was sired by the great show boar, Colossus, and his dam was the Expansion sow, Queen Over Pan. This boar cost Mr. Griffiths nearly a hundred dollars as a pig, and can now be bought for half the money, fully guaranteed.

JERSEY CATTLE

FINANCIAL COUNTESS LAD
No. 86252

The 1912 Grand Champion at Waterloo Dairy Congress, the biggest dairy show that was ever held in the United States. The only Grand Champion bull whose dam was also the National Butter Champion of the breed producing 935.62 pounds of butter from 13248 pounds of milk.

Every dairyman has at least one cow in his herd from which he would like to have a bull calf, if only he could pick out as sire some great dairy bull, that could meet all his requirements. I believe that Financial Countess Lad more than fills the bill. He sold for $2500.00 when 90 days old. The most that was ever paid for a bull calf of this age as a two-year-old he sold again for $5000.00 and of course his development was unknown, but now in his four-year-old form he is in full bloom and he is the greatest dairy and show bull living.

Service will be offered 15 cows and the cows kept free of charge until cow is safe in milk. Service fee will be $50.00 and no cow accepted that has not dropped a living calf during the past year.

I have a few choice bull calves that I will trade for heifers of equal breeding.

J. E. JONES, NOWATA, OKLA

REGISTER OF MERIT JERSEYS.

The only herd in Kansas that makes and keeps official records. FOR SALE—Two extra choice yearling bulls sired by Imp. Oakland Sultan. They are out of tested 500-pound cows. Also 25 choice heifers and a few tested cows. Inspection invited.

R. J. LINSCOTT, Holton, Kansas.

BANKS' FARM JERSEYS

Quality with milk and butter records. One of the best sons of CHAMPION FLYING FOX, imported, at head of herd. Stock for sale.

W. N. BANKS, Independence, Kan.

GOLDEN RULE JERSEYS.

Richly bred heifers and bull calves for sale. The blood of Golden Lad and other noted sires. Farm one mile north of town. Inspection invited.

Johnson & Nordstrom, Clay Center, Kan.

WINELAND FARM JERSEYS.

One of the strongest official record herds in the west. For sale, 10 choice young bulls, sired by Imp. "Duke's Raleigh," and other good bulls. Out of cows now undergoing or having authenticated tests. Also, 25 females of different ages. H. C. YOUNG, Lincoln, Nebraska.

50 HEAD Solid fawn colored, registered Jersey cows and heifers; a nice lot of springers; Forfarshire, Imp. Stockwell, Fox and Guenon Lad breeding. Three light fawn bull calves, St. Lambert blood.

S. S. SMITH, Clay Center, Kan.

REGISTERED JERSEY BULL.

BLUE BELL'S BOY No. 75800, half-brother to Noble of Oaklands; 5 years old; gentle. Price reasonable.

J. S. TAYLOR, Iola, Kan.

JERSEY BULLS.

For Sale—An extra good tried sire of Tormentor breeding. Cannot use any longer. Also, a 2-months-old calf of St. Lambert breeding. O. E. NICHOLS, Abilene, Kan.

J. E. BUMPAS

The Missouri Big Type Hog Auctioneer. Write for date and terms.

WINDSOR, MO.

Col. W. B. RYAN LEBANON, KANSAS.

Live stock and farm sales auctioneer. The man that gets the high dollar and works for you like a brother.

COL. OSCAR H. BOATMAN
Irving, Kansas.

Live stock auctioneer. Graduate American Auction School. Write, phone or wire for dates.

J. R. Triggs LIVE STOCK AUCTIONEER Valley Falls, Kansas.

Col. L. R. Brady Live stock auctioneer. Manhattan, Kansas. Ask about my work.

Col. L. H. Grote Morganville, Kan. Live Stock and General Auctioneer.

James T. McCulloch Live Stock Auctioneer.
Clay Center, Kansas.
Write Early
For Choice of Dates.

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Col. C. A. Hawk; Live Stock and General Auctioneer. Effingham, Kan.

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Live Stock and General Auctioneer
Mankato, Kansas.

When writing advertisers, please mention Kansas Farmer.

POLAND CHINAS

GREEN LAWN STOCK FARM.

0 HEAD September pigs for quick sale. $30; trio, $42.50; four for $50.. All tly big-type breeding. Can furnish three pigs and boar not akin. Will sell 100 bred sows February 22, 1913. Write for catalog.

. J. ERHART & SONS, Adrian, Mo.

ghview Breeding Farm

ghview Breeding Farm, home of the old inal big spotted Poland Chinas. The st herd of big spotted Polands in the d. They are the farmer's hog. The big feeding kind. Never fail to make good. g stock for sale.

H. L. FAULKNER,
Box M, Jamesport, Missouri.

RAUS SPOLAND CHINAS

odel Bill 54634 heads our herd, assisted Model Wonder, one of the largest yearl- boars of the breed. Fifteen spring s for sale, priced to move them.

R. STRAUSS, Route 1, Milford, Kan.

25 BIG POLAND CHINA BOARS.

iced to sell quick. Sired by Blue Valley dust, and out of 700-pound sows. Have ed not to hold sale, and offer these ately. Big, smooth fellows. Some real headers. Inspection invited. R. J. KHAM, Pawnee City, Neb.

YKER BROTHER'S POLAND CHINAS.

oice boars and gilts from our show Can sell all kinds of breeding stock easonable prices. Also, Hereford cattle standard bred horses for sale.

STRYKER BROS.,
Fredonia, Kan.

POLAND CHINA HERD BOARS.

r Sale—One or both of my herd boars, Bone Pete and Chief Price Best by Price Again. Both young, good indi- als, and will be priced reasonable.

J. L. GRIFFITHS, Riley, Kansas.

HERD BOAR FOR SALE.

cause I cannot use him longer I will my herd boar, Colossus Pan, a son of sus and out of the noted Expansion Queen Over Pan. Also fall pigs, either Hubert J. Griffiths, Clay Center, Kan.

LL BOARS FOR SALE—Sired by First ity and First Prize, a Mouw bred boar, f such sows as Lady Golddust by Gold- Hadley bred sow sale February 6. s Arkell, Route 4, Junction City, Kan.

SPRING AND FALL BOARS.

enty-five good ones, sired by "Blue y, Jr." and "Hartman's Hadley." Will old fall sale. Special prices for twenty

J. J. HARTMAN, Elmo, Kan.

erd Boars For Sale

e outstanding good ones. Three for including Mogul's Monarch and Prince ey.

H. HARTER, Westmoreland, Kan.

ATISFACTION OR MONEY BACK.

r sale, 12 young boars, will make herd ers; 30 choice gilts; 100 spring pigs. s reasonable.

W. A. BAKER & SON, Butler, Mo.

RYDAL POLAND CHINAS.

aded by Rydal Chief by Choice Goods. of best strains. SPRING pigs for sale.

E. S. FARLEE,
Rydal (Republic Co.), Kan.

LEEPERS BIG POLANDS.

od enough and big enough to win First ebraska State Fair. 700-pound sows. sow sale, January 25.

J. W. LEEPER, Norton, Kan.

IO IMPROVED CHESTERS

MAPLE LEAF O. I. Cs.

vice boars all sold, but am breeding lendid lot of gilts. Choice yearling and a few tried sows for sale. Special on fall pigs.

W. GAGE, Route 5, Garnett, Kan.

I. C.—125 Head Hogs

s in pairs. Bred sows, and 40 boars for service. Fifty fall gilts.

W. H. LYNCH, READING, KAN.

WOLFE'S O. I. C. SWINE.

ge, prolific kind, March and April Gilts bred or open. Fall pigs. Prices Pedigrees free. Write your wants.

W. WOLFE, Route 2, Carrollton, Mo.

I. C. PIGS.—H. W. Haynes, Meriden.

MULE FOOT HOGS

OMPSON'S growthy Mule Foot Hogs won more first prizes than any herd in ica. Stock of all ages for sale, sired bred to my 6 State Fair first prize g males. Prices low, quality high. for prices and information. CHAS. HOMPSON, Letts, Ind.

E PAY THE FREIGHT

pair or trio of the kind which grow and cost little. 30 late fall pigs—sexes. Prices reasonable. Write.

MULE FOOT HOGS
The Original Families
Bred Sows—For Sale—Bred Gilts
SULTAN STOCK FARM
R. 7, Bloomington, Ind.

XFORD DOWN SHEEP

est flock west of Mississippi River. rams, 100 ewes for sale. All stock by imported rams. 140 ribbons at the State Fair in last eight years. Call on dress, John Graham & Son, Eldora, Ia.

en writing advertisers, please mention s Farmer.

FIELD NOTES

FIELD MEN.

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

PURE BRED STOCK SALES.

Percherons and Other Draft Breeds.

Jan. 28, 29, 30, 31—C. W. Hurt, Aarrowsmith, Ill.
March 5—J. C. Robison, Towanda, Han. Sale at Kansas City, Mo.
Mar. 6—S. J. Miller, Kirkville, Mo.

Percherons and Jacks.

Jan. 15—P. I. McEchron, Princeton, Kan.
Feb. ——The Pure-Bred Live Stock Association of Northwest Missouri, T. E. Deem, Manager, Cameron, Mo.

Jacks and Jennets.

Feb. 6—A. E. Limerick and W. E. Bradford.
Feb. 4—Platte County Jack Sales Co., Platte City, Mo.
Feb. 25—D. J. Hutchins, Sterling, Kan. Columbia, Mo.
March 4—L. M. Monsees & Sons, Smithton, Mo.
March 10—G. C. Roan, La Plata, Mo.

Shorthorns.

Feb. 6—G. C. Cochran & Sons, Plainville, Kan., at Lamer's sale pavilion, Salina, Kan.
March 19—J. F. Richards & Son, Bevier, Mo.

Holstein Friesians.

Feb. 4 —Henry C. Glissman, Station B, Omaha, Neb.
Oct. 21-22, 1913—Woodlawn Farm, Sterling, Ill.

Polled Durhams.

Jan. 2—Achenbach Bros., Washington, Han.

Poland Chinas.

Feb. 14—H. B. Walter, Effingham, Han.
Jan. 20—Roy Johnson, South Mound, Han.
Feb. 20—George Wedd & Son, Spring Hill, Kan.
Jan. 24—Jas. G. Long, Harlan, Iowa.
Jan. 25—J. W. Leeper, Norton, Kan., and J. F. Foley, Oronoque, Kan. Sale at Norton.
Feb. 3—O. R. Strauss, Milford, Kan.
Feb. 4—J. W. Anderson, Leonardville, Han.
Feb. 4—L. V. O'Keefe, Stilwell, Kan.
Feb. 5—J. L. Griffiths, Riley, Kan.
Feb. 5—H. Fesenmeyer, Clairinda, Iowa.
Feb. 6—W. H. Charters, Jr., Butler, Mo.
Feb. 6—J. B. Lawson, Clarinda, Iowa.
Feb. 6—James Arkell, Junction City, Han.
Feb. 7—J. O. James, Braddyville, Iowa.
Feb. 12.—H. L. Faulkner, Spotted Polands, Jamesport, Mo.
Feb. 12—Ira C. Kyle & Son, Mankato, Han.
Feb. 12—T. J. Meisner, Sabetha, Kan.
Feb. 13—Carl Jensen & Son, Belleville, Kan.
Feb. 14—Frank M. Owens, Council Bluffs, Iowa. Dispersion.
Feb. 14—C. M. Prater, Oxford, Kan.
Feb. 15—J. B. Dillingham, Platte City, Mo.
Feb. 18—J. H. Harter, Westmoreland, Kan.
Feb. 20—R. J. Peckham, Pawnee, Neb.
Feb. 21—W. Z. Baker, Rich Hill, Mo.
Feb. 22—A. J. Erhart, Adrian, Mo.
Feb. 25—E. P. Flanagan, Chapman, Kan.
Feb. 25—The Deming Ranch, Oswego, Kan.
Feb. 26—F. J. Sexsmith, Orient, Iowa.
Feb. 26—J. W. Pfander & Sons, Clarinda, Iowa.
Feb. 26—L. C. McClarmon, Braddyville, Ia. (Night sale.)
Feb. 27—C. L. Branic, Hiawatha, Han. Sale in town.
March 19—J. F. Richards, Bevier, Mo.

Duroc Jerseys.

Jan. 30—Leon Carter, Asherville, Kan.
Jan. 24—John T. Higgins, Abilene, Kan.
Feb. 1—Horton & Hale, DeKalb, Mo. Sale at Rushville, Mo.
Feb. 7—Kansas State Agricultural College, Manhattan, Kan.
Feb. 15—A. Blank, Oxford, Kan.
Feb. 20—Charles Stith, Eureka, Kan.
Feb. 20—Rinehart & Son, Smith Center, Kan.
Feb. 25—W. R. Houston, Americus, Han.

Berkshires.

Feb. 7—Kansas State Agricultural College, Manhattan, Kan.

Hampshire Hogs.

Jan. 23—T. W. Lavelock, Princeton, Kan.
Feb. 18—W. F. Davis, South St. Joseph, Mo.

Mulefoot Hogs.

Feb. 15—John A. Williams, Eaton, Ohio.

Arkell's Polands.

James Arkell of Junction City, Kan., writes that he is all sold out on May pigs and must change his advertisement and offer some good fall boars of Mouw breeding for sale.

Combination Poland Sale at Norton.

J. W. Leeper of Norton, Kan., and J. F. Foley of Oronoque, Kan., two of the successful big-type Poland China breeders of Kansas, have joined forces and will hold a bred sow sale at Norton, Kan., Saturday, January 25. About 40 head will be catalogued, consisting of tried sows, fall yearlings, spring gilts, and a few fall boars. The offering will be a first class one and rich in the very best breeding. Mr. Leeper consigns about 20, of which seven are tried sows, including a two-year-old sow out of the great sow, Tecumseh Hadley 1st, first prize sow at Nebraska State Fair, 1911, and one of the greatest sows of the breed now living. Others in Mr. Leeper's consignment are daughters of Sampson, while still others are by Union Leader and Hadley Hutch, a son of Big Hadley. Mr. Foley consigns 20, three of which are tried sows, the remainder spring gilts, summer gilts and a few summer boars. Mr. Leeper's offering was sired partly by Blain's Last Hadley, one of the best Hadley boars now living, and said to be the best boar ever bred by John Blain. Other things in Mr. Foley's division were sired by the herd boar, Blue Valley Look by First Look. Most of the gilts are bred to Blue Valley Look. Many of them were sired by King Hercules by Revenue Chief. The tried sows include daughters of Hadley Hutch and one by Gold Metal. The offering altogether is an especially strong one owing to the fact that two good herds are being drawn upon for the consignments. Both gentlemen are in the business permanently and have been for a good many years. This section of the state is noted for the health of hogs, disease being almost unknown here. This offering will please all that take pains to see it, and every animal sold will go out and make money for the man who buys it. The sale will be held under cover, no difference what kind of weather. A catalog may be had by writing to either consigner. Bids may be sent to auctioneer or fieldman in care of parties making sale at Norton, Kansas.

KENT'S IOWA HERD 100 boars for sale, 50 fall and yearlings, most of them sired by that famous old boar, Combination 12313. Fifty spring boars sired by other State Fair prize winners. Also choice sows bred for fall farrow. I can sell you anything you want in Chester Whites from a fancy herd header down. If you want to buy one of the big kind, write me for prices and the way I will ship these hogs before paying for them. Mention Kansas Farmer. Address THOMAS F. KENT, R. 2, Walnut, Iowa.

POLAND CHINAS

Dean's Mastodon Polands. The big-boned type, will weigh when mature 800 to 1,000 pounds. Bred sows all sold. ALL IMMUNIZED BY DOUBLE TREATMENT AND ARE IMMUNE. Phone, Dearborn; station, New Market, and Postoffice, Weston, Mo. Address

CLARENCE DEAN, WESTON, MO.

WRAY & SON'S BIG TYPE POLAND CHINAS

Herd headed by Sterling Prince, one of the largest and best 2-year-old boars of the breed. Assisted by Chief Price's Wonder, one of the best sons of the great breeding boar, Chief Price Again. Young stock for sale. Better than your grandpa ever raised.

B. T. WRAY & SONS, Hopkins, Mo.

DUROC JERSEYS

OUTSTANDING DUROC BOARS

All sold out on boars except an extra choice son of Crimson Wonder Again, out of a Valley Chief dam. Selling him to close a partnership. His three brothers went to head good herds and his sister will be an attraction in my January 24 sale.

JOHN T. HIGGINS, Abilene, Kansas.

DUROC JERSEY BOARS.

20 TOP BOARS, by Golden Model 3d, and other great boars, the type that will make money on any farm, and will improve any herd. They will suit you.

GRANDVIEW STOCK FARM,
Americus, Kan.

PERFECTION STOCK FARM DUROC JERSEY HOGS.

For Sale—20 Spring Duroc Jersey gilts and spring boars, pairs and trios, not related. We sell at farmers' prices. CLASSEN BROS., Union, Okla.

FALL DUROC BOARS.

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

HOWELL BROS., Herkimer, Kan.

VILANDER'S DUROC JERSEYS.

130 spring pigs, sired by Tatarrax Chief, White House King, Carl Critic, etc. Out of mature dams. Pairs and trios not related. Ready to ship now. ALVIN VILANDER, Manhattan, Kan.

GEORGE KERR'S DUROCS

lead in rich breeding and individuality. 120 choice spring pigs ready to ship. Plenty of herd boar material.

GEORGE KERR, Sabetha, Kan.

QUIVERA PLACE.

Headquarters for the best in Durocs. Herd headed by Quivera by Tatarrax assisted by M. & M.'s Col. Choice spring boars for sale. Bred sow sale January 8.

Munsell & Isenberg, Herington, Kan.

GOLDEN RULE DUROC JERSEYS

Young boars all sold. Sows all reserved for big bred sow sale January 30. Can spare one good herd boar December 15.

LEON CARTER, Asherville, Kan.

COLLEGE HILL DUROCS

Home of the best. For quick sale, 10 selected boars and few females by G. M.'s Col. and Carl Critic, out of Tatarrax dams. Farm adjoins college on north.

W. W. BALES, Manhattan, Kan.

Crow's Durocs

Twenty-one good Duroc boars from 125 to 280 pounds. All vaccinated. Price reasonable.

W. R. CROW, Hutchinson, Kansas.

MARSH CREEK DUROCS.

Large growthy gilts, bred for March and April farrow. Also fall pigs, either sex, at reasonable prices. R. P. Wells, Formoso, Ks.

HAMPSHIRE HOGS

HAMPSHIRE HOGS.

Bred sows, spring pigs, in pairs or trios, not akin. Pat Malony, General Allen blood lines. Prices reasonable.

F. C. WITTORFF, Medora, Kan.

ECLIPSE FARM HAMPSHIRES.

Tried sows and gilts for sale, bred for spring farrow. A few fall pigs left.

A. M. BEAR,
Medora, Kan.

RED POLLED CATTLE

PHILIPS COUNTY RED POLLS.

For Sale—Cows and heifers, sired by the great Launfal and bred to Cremo 22d. Five excellent bulls from 8 to 16 months, some out of 60-pound, 5 per cent cows.

Chas. Morrison & Son, Phillipsburg, Kan.

RED POLLED CATTLE

A few choice bulls, ready for service, priced reasonable.

I. W. POULTON,
Medora, Kan.

Coburn Herd of Red Polled Cattle and Percheron Horses.

25 extra good young bulls and 7 first class young stallions for sale at bargain prices. Also young cows and heifers.

GEO. GROENMILLER & SON,
Pomona, Kansas.

POLAND CHINAS

HOLSTEIN CATTLE

YOUNG HOLSTEIN BULLS

Sired by Petertje Hengerveld Nannette and out of heavy producing dams, for sale. From young calves to yearlings. Won first at Topeka, Hutchinson and Oklahoma State fairs on young herd, 1911. Herd bull was junior champion.

W. C. JONES & SONS,
Route 2. Topeka, Kan.

HOLSTEIN COWS AND HEIFERS AT BARGAIN PRICES.

On account of shortage of ensilage crop on my New York farm, I am shipping west 300 head of high grade Holstein cows and heifers, 2 to 5 years old. These are arriving in lots of 50 every week and I will make attractive prices to parties that can use carload lots. All tuberculin tested and bred to registered bulls. Also 30 registered bulls for sale.

ROCK BROOK FARM,
Station B. Omaha, Nebraska.

M. E. MOORE & CO.

Cameron, Missouri.

A special bargain in registered young bulls, sired by our herd bull, and tuberculin tested. Could spare a few very high-class cows.

MISSOURI HOLSTEINS.

Largest herd of Holsteins in the state. Nothing but registered stock for sale. Eighty head to choose from. Twenty-five bulls, all ages. Will sell one to a carload. Write us just what you want and we will describe and price some to pick from.

S. W. COOKE & SON, Maysville, Mo.

HOLSTEINS FOR SALE—Sons of Deutschland Cornucopia Sir Detry, who has a 32-pound sister and a long line of A. R. O. relatives. Dams sired by Prince Ormsby Mercedes DeKol and other good bulls.

J. P. MAST, Scranton, Kan.

Pure-Bred Registered
HOLSTEIN CATTLE
The Greatest Dairy Breed.
Send for FREE Illustrated Booklets.

Holstein-Friesian Association,
Box 114, Brattleboro, Vt.

CHENANGO VALLEY GRADE HOLSTEINS

Fifty extra fine, well bred, nicely marked young cows to freshen in two months. Also high grade, well bred heifers coming two and three years old and bred to registered bulls.

F. J. HOWARD, Bouckville, N. Y.

HOLSTEINS FOR SALE.

Fifty head of registered heifers and bulls; also 75 head bred heifers and young cows, $58.50 up. Come and see them.

M. P. KNUDSEN, Concordia, Kan.

CORYDALE FARM HERD.

Holsteins: 50 head in herd, 2 registered yearling and 2-year-old heifers for sale.

L. F. COREY, Belleville, Kan.

HOLSTEIN BULL CALVES always on hand, and worth the price.

H. B. COWLES, Topeka, Kansas.

SHROPSHIRE SHEEP

Twenty Yearling and Two-Year-Old Shropshire Rams, sired by imported sire and out of registered ewes, priced right for quick sale.

ED GREEN, Howard, Kan.

GALLOWAY CATTLE

SMOKY HILL GALLOWAYS

A carload of yearling and 2-year-old bulls for sale.

E. J. GUILBERT, Wallace, Kan.

POLLED DURHAM CATTLE

ROAN HERO,

THE INTERNATIONAL CHAMPION, AND

ARCACIA PRINCE X 8079-308159

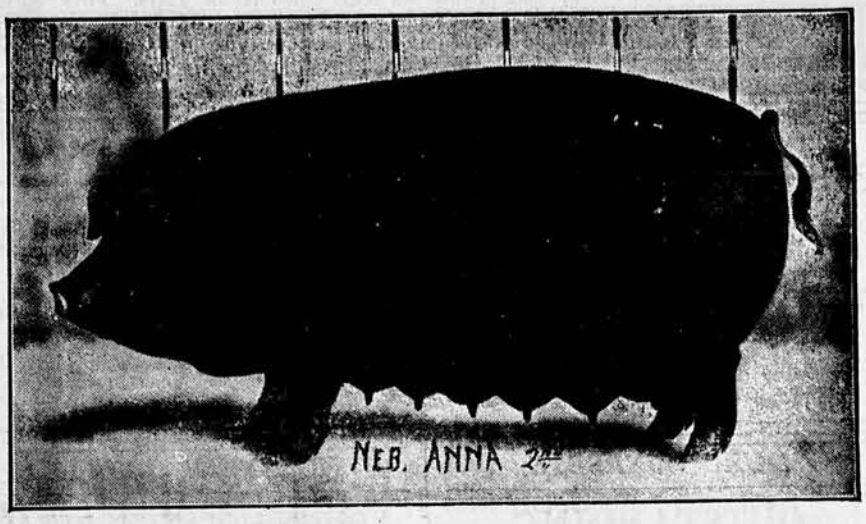
the first prize winners, head my herd of Double Standard Polled Durhams. M. P. Ry. 17 miles S. E. of Topeka, Kan. Farms adjoins town. Inspection invited.

D. C. VAN NICE, Richland, Kan.

Kyles Are Busy.

Ira Kyle & Son, Mankato, Kan., the leading breeders of strictly big-type Poland Chinas in their part of the state, are busy these days getting ready for their big bred-sow sale to be held February 12. This will be almost entirely a Giant's Chief Price offering, as nearly everything in the sale will either be bred to this great boar or sired by him. File application now for catalog.

KANSAS STATE UNIVERSITY LIBRARIES



40 HEAD CHOICELY BRED SOWS AND GILTS

HIGGINS'
GREAT BROOD SOW SALE
Friday, January 24, 1913

TEN TRIED SOWS AND THIRTY FALL AND SPRING GILTS.

They are sired by such noted boars as "The Professor," "Good Enuff Again," "King the Col.," "Crimson Wonder Again," "Valley King," and other prize winners. They are bred to "Cherry Col." and "Good Enuff Model 2d," two of the best high-priced young boars sold the past season. Send at once for our illustrated catalog describing the offering. Sale held in heated building, on Fair Grounds, at Abilene. Free hotel accommodations.

JOHN T. HIGGINS, ABILENE, KAN.

COLS. REPPERT & BURTON, Auctioneers. JESSE JOHNSON, Fieldman.

LAVELOCK'S HAMPSHIRE SALE
At Ottawa Kansas, Thursday, Jan. 23rd 1913

I will sell at public auction fifty head of tried sows, fall and spring gilts. The offering will be rich in the blood of the five great brood sows that formed the foundation of this good herd: Charity 8674 by Erlanger 1039 and out of Belle of Smithville 2414; Lady Lavelock 2854 by Missouri King 777 and out of Jane Cable 1338; Missouri Belle 7th 5696 by Ben Hur 503, dam Missouri Belle 3d 747; Sally 2d 11862 by Munson 2335, dam Madame Aylor 1st 3658, and Mary 2534 by Uncle Nate 875, dam Fanny 2532. The offering will be bred for March and April litters to a quartet of splendid herd boars. They are Widow's Model 4781 by Duke of New Castle 3249, Duke of Hanley 11647 by Duke of St. Charles 4545, Joe Bowers 10995 by Dan 6473 and Kansas Model 11583 by Leader 4025. The sale will be held in the Forest Park sale pavilion at Ottawa, Kan. Please write for catalog as above. No mailing list. I want all farmers and breeders to attend my sale. If you find you can not come, send bids to O. W. Devine, representing Kansas Farmer, who will buy for you. Please remember that sale is at Ottawa, Kan. For catalog write

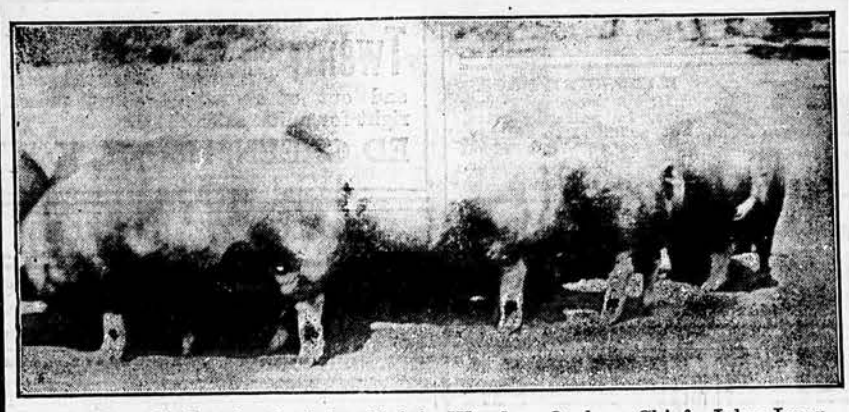
T. W. LAVELOCK

Princeton, ... Kansas

A Sample of the Sale Offering.

ROY JOHNSTON'S
Bred Sow Sale
AT SOUTH MOUND, KANSAS
January 20, 1913

75 Head Bred Sows, Yearlings and Gilts. Only fourteen are under one year old and only three that are over two years old. This is the best lot I have ever offered at any sale. Fifty head of this offering are an extra good lot of summer and fall yearlings, all the large type breeding and very uniform. They are the kind I have tried to breed for ten years, and I believe they are a useful lot for any farmer or breeder. **75**



This offering is sired by Blain's Wonder, Orphan Chief, John Long, Dan Hadley, Standard Wonder, Wonder Boy, and Chief Look, and bred to seven of the best big-type boars I have been able to get together. My catalog is ready to mail out. Send for one today. I want you to read it. Anyone buying on mail order, I guarantee satisfaction. If you can not attend my sale, send a bid to O. W. Devine, representing this paper. Your bid will be handled honestly and to the interest of the purchaser, and satisfaction guaranteed or money refunded. Sale starts at 11:30 a. m. Come to Parsons, Kansas, evening before sale, and stop at Mathewson Hotel. For catalog, write today.

ROY JOHNSTON

South Mound Kansas

COL. F. J. ZAUN, Auctioneer.

BREEDERS' SALE
350 ---- HORSES ---- 350
In Coliseum, Bloomington, Illinois
JANUARY 28, 29, 30 and 31, 1913

On Tuesday, Wednesday, Thursday and Friday, We Will Sa

250 Imported and Native-Bred Registere

Percheron, Belgian, French Draft, Shire and Clydesdale Stallions and Mares.

100 HEAD of Imported Stallions and Mares that w land by sale day.

100 HEAD of Imported Stallions and Mares that ha been here a year.

100 HEAD of the BEST Registered Mares that ev went into an auction ring.

50 HEAD of Imported Fillies, one and two yea old.

100 HEAD Reg. Stallions of the very choicest breed'g and individuall

On Friday, January 31, 1913,

100 HEAD REGISTERED TROTTERS

Grade Draft, Single Drivers, Saddle and All-Purpose Farm Horses, Stallions, Mares and Geldings.

50 HEAD PONIES

IMPORTED and NATIVE-BRED REGI TERED Shetland, Welsh and Cross-Bre from the best breeders in the state. Sta lions and Mares good enough to head any rd; Mares and Geldings, broke, and safe your wife or child to drive.

Catalog Ready January 12, 1913.

D. Augstin, Pres. C. W. Hurt, Mgr., Arrowsmith, Ill.

LAMER'S PERCHERON STALLIONS and MARES

75 Head of Imported and Home-Grown Percheron Stallions and Mares, at "Let Live" Prices

Two-Year-Olds That Weigh a Ton

C. W. LAMER & CO. Salina, Kansas

PARK & FIRKINS' PERCHERONS AND JACKS.

Imported and American-bred stallions. All blacks and grays, all registered in P. S of America. Some ton 3-year-olds. Also Kentucky and Missouri Mammoth Jacks fro 15 to 15¾ hands high, heavy bone and good performers, registered. Everything so with safe breeding guarantee. Barns in town, 50 miles north of Kansas City, on Roc Island Railroad, 35 miles east of St. Joseph on Burlington Railroad.

J. E. PARK AND A. A. FIRKINS, CAMERON, MO.

COMBINATION POLAND CHINA BRED SOW SALE

NORTON, KANSAS, SATURDAY, JANUARY 25, 1913

FORTY — HEAD SELECTED FROM TWO GOOD KANSAS HERDS — FORTY

TEN TRIED SOWS **TWENTY-TWO SPRING GILTS**
THREE FALL YEARLINGS **FIVE FALL BOARS**

This offering is a carefully selected one, and the sows and gilts are bred for March and April farrow to Big Bob, Reserve Chief, Blain's Last Hadley and Blue Valley Look. The offering includes daughters of Blain's Last Hadley, Blue Valley Look, King Hercules, Hadley Hutch, Gold Metal, Blue Valley Look, Union Leader. These sows are the 700-pound kind and will please all that see them. No offering of the season will contain more of the blood of noted big hogs. Write to either consigner for catalog. Free entertainment for breeders. Come or send bids.

J. W. LEEPER, Norton, Kansas **J. F. FOLEY, Oronoque, Kansas**

Auctioneer—JOHN BRENNEN. Fieldman—JESSE R. JOHNSON.

OO LATE TO CLASSIFY

I Am Willing

stand part of your expense to come and look at my bunch of bred sows.

L. C. WALBRIDGE
Russell, Kansas

UROCS OF SIZE AND QUALITY

ring boars and gilts of Tatarrax, B. & ol. and Neb. Wonder breeding, at reason- prices.
JOHN A. REED, Lyons, Kan.

BIG POLAND BOARS 12

still have a dozen extra choice spring s, including two out of the great sow, mseh Golddust, and sired by Blue Val- Golddust. Special prices for one week.
J. PECKHAM, Pawnee City, Nebraska.

PRIL BOARS—Well built, good length, y bone. Gilts bred for May farrow. mer and fall pigs, both sexes. Write what you want to buy. Have some ce stuff I will guarantee satisfaction on. d material and farmer's kind.
J. E. WELLER, Faucett, Mo.

FIELD NOTES

Percheron Sale.

W. Barnhart at Butler, Mo., will sell January 15, 1913, eighteen head of regis- d stallions and mares. Every one is a one. A number of the mares are bred foal in the spring and are broken to k and are a useful lot both for the er and breeder. The blood lines are ng the best. No catalog will be issued, pedigree will be furnished with each al sold. Please read ad in this issue.

Big Spring Boars.

J. Peckham of Pawnee City, Neb., s twelve extra choice spring boars, all d by his great breeding boar, Blue Val- Golddust and out of a great line of s. These include a couple of as good s as the writer has seen this year, and are out of the noted sow that topped Blain's dispersion sale at $250. This is the day of several noted herd boars. se young boars are herd boar prospects should go into good hands. Special s for one week. Write quick.

Lavelock's Hampshire Sale Jan. 23.

W. Lavelock, the well-known and popu- breeder of Hampshire hogs, Princeton, , and whose sale of bred sows will be at Ottawa, Kan., Thursday, January 23, rts that the offering will consist of rd of sixty head of growthy gilts, lings and tried sows, bred for spring w to a number of well-bred boars. Mr. lock will be glad to have farmers and ders attend this sale and learn some- of the real value of the Hampshire as a farmer hog. The catalog is ready is full of valuable information. Please for one and arrange to attend the sale.

The Bloomington Breeders' Sale.

W. Hurt, manager of the big Breeders' , to be held at Bloomington, Ill., Jan. 1, writes: "We have not as large a ber as we sometimes get at the 'Breed- Sale' of horses, but we were short on ling, and we had a chance to pick the r horses of all breeds, and we believe are going to the sale this time with very best bunch we ever sold. The log will be ready by Jan. 12th, which prove the above facts. We want every orter and breeder of all classes of s to come and see 400 head of horses at public auction, and we assure them have a welcome invitation to come and the week with us."

A Duroc Sale Worth While.

ansas Farmer readers who are inter- d in Durocs should remember the John Higgins Duroc Jersey bred sow sale to be at Abilene, Kansas, Friday, Jan. 24. will be one of the sales of the winter h while. Mr. Higgins has been one of most discriminating buyers that has in the market for the past two years has bought heavily from some of the eastern breeders. He is cataloguing this sale 50 head of bred sows and gilts. are bred for February, March and farrow to the young herd boars rry Col." and "Good Enuff Model 2nd." ry Col. was sired by Tippy Col., a full her to the noted King of Cols. that d Ira Jackson's herd for so long. The of "Cherry Col." was by Cherry King, ing him a line bred Col. and coming t from the best members of this great ly. "Good Enough Model 2nd" was by Good Enuff Model, the first prize r yearling at Nebraska State fair the fall. All of his ancestors were prize ers and litters by him will without t be splendid investments. Mr. Higgins selected a splendid line of sows and for this sale, including Kings Maid, ied sow by the prize winning boar y King. Two of her daughters by son Wonder Again are also in the One fall gilt by "The Professor," a Ohio Chief boar, sire of Instructor, d champion at Illinois State Fair of One choice fall gilt by the great Col. Among the spring gilts are a le by the noted B & C's Col., two by The Col. and out of a Proud Chief One by Golden Model 11th and out Crimson Wonder dam, and one by Enough Again. A real attraction among the tried sows is the sow Nebraska Anna by Proud Chief he by Ohio Chief. In mating this great lot of females to the herd boars Mr. Higgins has used his best judgment. Write for handsomely illustrated catalog which will be sent only upon request. The sale will be held in town under cover; visiting breeders stop at any notel in Abilene as Mr. Higgin's guests. Sealed bids may be sent to Jesse R. Johnson in Mr. Higgins' care at Abilene.

Roy Johnston Bred Sow Sale.

The catalogs are out announcing the bred sow sale, and Monday, January 20, is the date. The sale will be held as usual on the farm. All prospective buyers are requested to come to Parsons the evening before the sale, where they will be taken care of. The offering is the best lot ever sold from the Johnston farm. Seventy head, and only 14 head are under one year old and only two head over three years old. More than fifty head are summer and fall yearlings. In addition to the seventy head of sows, eight splendid young boars will be offered. The sow offering which is bred along the most popular blood lines will be bred for spring litters to the three great boars, Orphan Chief, Dan Hadley and Big Lige, and they are surely a splendid lot of growthy young sows, old enough to farrow and raise good, strong litters, and still young enough to have practically all their usefulness before them. This sale will afford a splendid opportunity to farmers and breeders alike to obtain good brood stuff fed and grown in the right way. Bear in mind the date and write for the catalog, which is now ready, and arrange to attend the sale. There will be bargains for all. If you can not attend, send a bid to O. W. Devine, representing Kansas Farmer.

Attention is called to the ad of J. E. Weller of Faucett, Mo., which starts in this issue. Mr. Weller is proprietor of the Legal Tender Stock Farm and for several years has been raising a superior class of Duroc Jersey swine and enjoys a good trade which extends over a large territory. His stock shows a uniformity in length, smoothness and good individuality. He now offers several 225-pound boars farrowed the last week in April. They are a splendid lot. The farmer that wants something first class can get it here and at a reasonable price. There are also individuals here that are suitable to be placed in good herds, and the breeders who are on the market for a good boar or gilts are invited to investigate. Mr. Weller states that he will ship on approval and if the animal is not satisfactory it can be returned at his expense and the purchase price will be refunded without a word. A close price will be made on the April boars just now owing to the lateness of the season, and will be priced very reasonably. If on the market for anything in the Duroc Jersey line, write Mr. Weller your wants. He has been breeding Durocs for several years and is a man of sound judgment in selecting and handling breeding stock.

When writing advertisers, please mention Kansas Farmer.

James G. Long's Mastodon Polands.

The attention of Poland China breeders 's called to the sale advertisement of James G. Long of Harlan, Iowa, in this issue of Kansas Farmer. Mr. Long's Mastodon Poland Chinas have become famous throughout the corn belt and his offering of bred sows this year will be the best in the history of Maple Hill herd. His herd boars, B Wonder by A Wonder, dam Lady Mastodon 86th; Mastodon Leader by Mastodon Sign, dam Mastodon Maid 6th, and Black Surprise by Gold Metal by Bell Metal, dam I. & L.'s Model, are conceded by all critics to be three of the great boars now in service. This offering will consist of nine tried sows, 33 fall gilts and 24 spring gilts. Among the tried sows will be daughters of A Wonder out of Lady Mastodon 85th, sows sired by A Wonder and out of Lady Mastodon 79th. A feature of the sale will be the great sow, Lady Mastodon 90th, by A Wonder and out of Lady Mastodon 85th. This will be one of the greatest big-type sows to be sold this season. Lady Mastodon 85th by Columbia Chief 2d, dam Lady Mastodon 4th, sired by Surprise Chief, one of the great sows tracing to the great Mollie Surprise, will be in this sale. Another great one is Miss Wonder 4th by Surprise Wonder 5th, dam Miss Wonder 2d. This is a class of sows that breeders wanting good ones cannot afford to miss. The fall gilts sired by Mastodon Leader and B Wonder are a great lot, a number of them being out of A Wonder dams. A fine lot of spring gilts sired by B Wonder Mastodon Leader and Black Surprise and out of Mouw bred sows completes an offering that is hard to equal. The offering are bred either to B Wonder, Mastodon Leader or Black Surprise. Write at once for catalog, mentioning Kansas Farmer. No catalogs sent out except on application.

The California Redwood is constantly gaining in popularity in the manufacture of incubators and brooders, and indeed no lumber is more suitable for the purpose. This popularity is due to the fact that it is susceptible to very fine finish and its adaptation to all changes and conditions of climate. The Petaluma Incubator Co. was the first to see the advantages of the use of California Redwood, as in fact, many years ago, they were the first to begin the manufacture of incubators. The "Petaluma" is the pioneer hatching machine. Its incubator antedates that of any other on the market, and to them, therefore, and to the energy, persistence and patience of their Mr. L. C. Bryce, is due the credit, to a very large extent, of the development of incubators and brooders to the extent which exists at this time. They have a very interesting booklet, "How It All Came About," giving some facts of the industry, a copy of which they will very gladly send upon receipt of your request. Address them at either of their offices, Box 368, Indianapolis, Ind., or Box 311, Petaluma, Cal.

IMPORTED DRAFT HORSES

Importation arrived September 15, 1912. I have personally selected the best young stallions and mares I could buy in France and Belgium, two and three years old. They all have good breeding quality, sound and good colors, and will make ton horses. Every horse absolutely guaranteed. If you are looking for a first-class stallion or a good pair of mares, come and see me. I mean business. My barns three blocks from Santa Fe depot.

W. H. RICHARDS, - - EMPORIA, KANSAS

ROBISON'S PERCHERONS

One hundred fifty percheron stallions, mares and colts. Fifty imported. All for sale.

J. C. Robison, Towanda, Ks.

---SHORTHORN SALE---

JANUARY 15, 1913

I will sell 35 registered Shorthorn cows, ten with calves at foot and all bred to drop calves in the spring. All are bred to my herd bull, Ingle Prince, sired by Prince of Collynia, and his dam was Ingle Maid, the dam of Ingle Lad. I am selling some of my best cows to reduce my herd. They are regular breeders and producers. Several are extra heavy milkers. Please send for catalog and come to sale at farm near Princeton, Kan.

P. I. McECHRON, Princeton, Kansas

MENTION KANSAS FARMER WHEN YOU WRITE.

IMPORTED PERCHERON STALLIONS, JACKS AND JENNETS.

FOR SALE—5 imported black Percheron stallions, 4 to 6 years old; all tried and regular breeders; can show colts; weigh 1,800 to 2,200 pounds. One Morgan stallion, 7 years old. 10 large black jacks, 2 to 7 years old, all broke; good performers; can show colts and mares in foal. 10 head big black jennets, all bred to our imported jack. Prices reasonable. Write or come to farm 4 miles from Raymond or Chase. Our horses and jacks were shown at the Kansas State Fair at Hutchinson, September, 1912, in six different classes, and won in every class. Come and see us. J. P. and M. H. MALONE, CHASE, KAN.

CARNOT PERCHERONS

Carnot colts won over everything at the great Iowa State Fair, in both male and female classes, and in heavy competition. Carnot is now proved to be one of the greatest breeding stallions of the breed, and his colts are sought everywhere. A number are still for sale, out of the best mares. Prices right. Address.
W. S. CORSA, White Hall, Illinois.

BRED SHROPSHIRE EWES Both imported and American bred, and all mated to the best imported rams obtainable. These rams have won many important English prizes, as well as the most coveted American blue ribbons, and now head the flocks at Henley Ranch.

Our flocks are large and we can offer you the best values on all classes of Shropshires. We absolutely guarantee all stock shipped. Place your order with us early, while the ewes can be safely handled.

HENLEY RANCH, GREENCASTLE, MO.
Members American Shropshire Registry Association. Henley & Vrooman, Managers.

CEDARSIDE STOCK FARM, WAVERLY, IOWA

wants to sell you some nice OXFORD ewes; also, 15 rams; all from imported rams and part from imported ewes. The ewes will be bred to a 400-pound ram. Some nice HOLSTEIN bull calves, with several 30-pound records backing. Get busy and write me.
C. A. NELSON.

50—PERCHERON STALLIONS—50

Bishop Brothers have 50 big boned stallions that weigh 1,700 to 2,100 pounds that they can and will sell for less money than any firm in the business, quality considered. Write us what you want. BISHOP BROS., TOWANDA, KAN.

You will find enclosed check in full for the piano you sent me sixty days ago. The piano is the finest in this part of the country, and if I can be of any assistance to you in the future just say so. Very truly yours, J. T. DUDGEON, Terlton, Oklahoma.

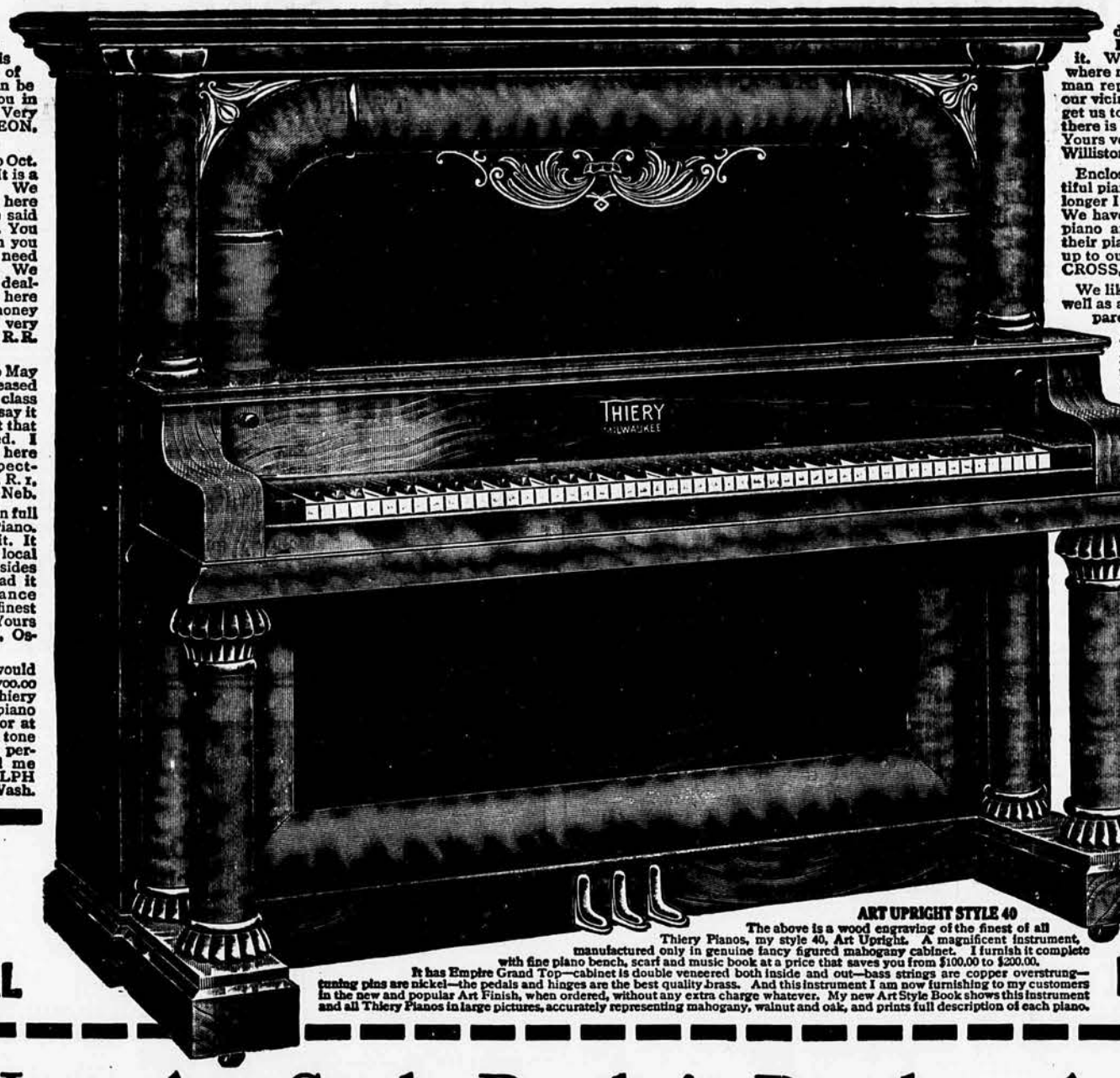
We received the piano Oct. 6th in good condition. It is a beautiful instrument. We had a piano player out here to try and test it and he said it was a wonderful piano. You told me the truth when you wrote me I would not need the thirty days trial. We saved at least $150.00 by dealing with you instead of here and you can expect the money in a few days. Yours very truly, FRANK WEBER, R. R. 19, Dyersville, Iowa.

We received the piano May 20th and are greatly pleased with it. Several first class players tried it, and all say it has a very fine tone, but that the finish is unsurpassed. I could not get its equal here for $500.00. Yours respectfully, JOHN TILFORD, R. 1, Box 24, North Platte, Neb.

Find enclosed check in full for the style 40 Thiery Piano. Am much pleased with it. It beats all the pianos our local agents handle, and besides costs $100.00 less. I had it insured and the insurance agent said it was the finest piano he had ever seen. Yours very truly, H. BEHN, Osborne, Iowa.

A piano as good as this would cost me from $600.00 to $700.00 here in town. The Thiery Piano is better than any piano could possibly be sold for at so low a figure. The tone and workmanship are perfect. You have saved me $200. Yours truly, ADOLPH WAGNER, Reardan, Wash.

30 DAYS FREE TRIAL



ART UPRIGHT STYLE 40

The above is a wood engraving of the finest of all Thiery Pianos, my style 40, Art Upright. A magnificent instrument, manufactured only in genuine fancy figured mahogany cabinet. I furnish it complete with fine piano bench, scarf and music book at a price that saves you from $100.00 to $200.00. It has Empire Grand Top—cabinet is double veneered both inside and out—bass strings are copper overstrung—tuning pins are nickel—the pedals and hinges are the best quality brass. And this instrument I am now furnishing to my customers in the new and popular Art Finish, when ordered, without any extra charge whatever. My new Art Style Book shows this instrument and all Thiery Pianos in large pictures, accurately representing mahogany, walnut and oak, and prints full description of each piano.

Find enclosed money order as payment on the piano. I am very much pleased with it. We would not sell it for anywhere near what we paid for it. A man representing a piano house in our vicinity called here and tried to get us to send your piano back, but there is no chance for him to do so. Yours very truly, W. H. BENELL, Williston, No. Dakota.

Enclosed find draft for the beautiful piano I bought from you. The longer I have it, the better I like it. We have a neighbor who bought a piano and paid $100.00 more and their piano does not begin to come up to ours. Respectfully, MRS. J. CROSS, Bassett, Nebraska.

We like the piano you sent us as well as any we ever saw. We compared it with agents' pianos here at similar prices and the Thiery Piano is much better in every respect. They certainly are just as advertised. Yours truly, JOHN EBLE, Virgel, Kansas.

We like the Thiery Piano you sent us very much. It is a beautiful instrument and all who see it think it is just grand. We saw a piano sold here the other day at $400.00 that can't compare with yours and we paid you $150.00 less money. Yours very truly, E. GUSTNER, R. F. D. 3, Hopkins, Minnesota.

You will find draft enclosed for $30.00 as first payment on the Thiery Piano. I certainly am well pleased, and I have saved money by dealing with you. My neighbor and music teacher say it is the finest piano they ever played on. Yours respectfully, EDNA DEBOLT, Putnam, Oklahoma.

I Pay the Freight

My New Art Style Book is Ready. And my 1913 Buying Plans and Straight-to-You-Prices—they are hummers! When you can buy Quality Pianos on a "Nothing-to-Pay-for-but-Quality" basis—with agents' and middlemen's tidy profits left out—and have your choice of Thiery Quality Pianos in your home on Real Free Trial to Prove It—what's the best thing to do? Just fill out coupon below and mail to me—what you'll receive by return mail will surprise you.

Those who have already received my new 1913 Art Style Book, say it is the finest and most beautiful book of pianos ever printed;—it comes

FREE

postpaid, if you will just send me the coupon below.

Be sure and mention on coupon whether you want the Piano Style Book or my Organ Book.

A number of years ago, when I decided to sell Thiery Pianos direct to the home—a man from South Dakota wrote for a copy of my little catalog, and in his letter said, "If you sell your pianos through agents, don't bother about sending catalog, because I won't buy that way."

The next day a man from Iowa wrote for my book and said, "This town is just full of ordinary, every day pianos. I want something different and better, and if you've got it, I'll buy direct from you."

And the hundreds of homes that are writing to me now for my newest Style Books are doing so for the same reason that these two men wrote to me eight years ago, and that reason is to get a real quality piano with the fancy prices and fancy profits left off.

My new Style Book is the finest piano book ever printed. It is interesting from cover to cover and if you are going to get a piano now or in the future, get this book and note my buying plans and Straight-to-You-Prices.

Any Thiery Piano you want is yours, direct to your station, freight prepaid—no deposit to make—no advance money—simply choose the piano you want and I'll ship it to you at my expense and when the thirty days trial is up, if, for any reason in the world, you don't want to keep the piano, just ship it back at my expense.

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